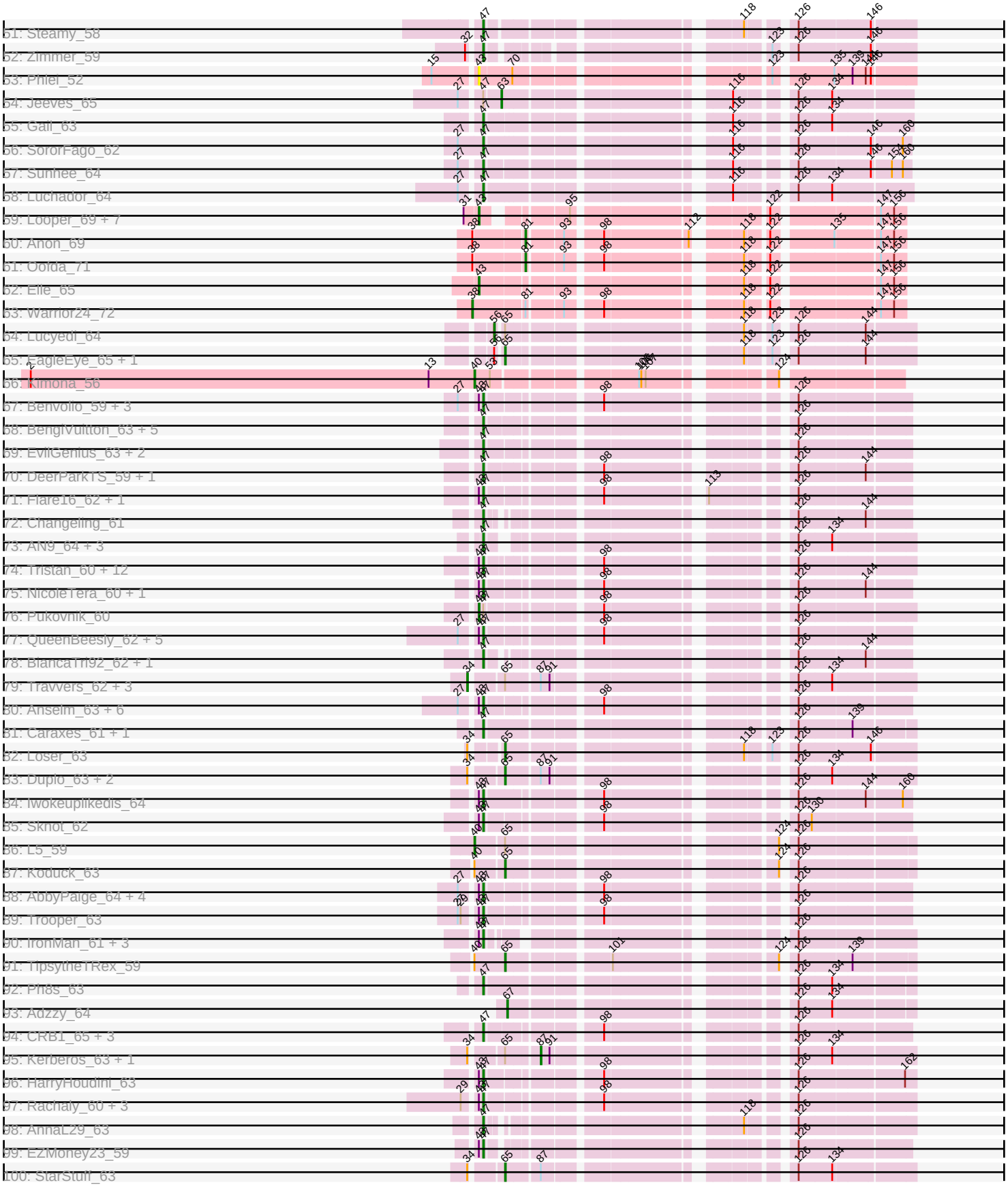
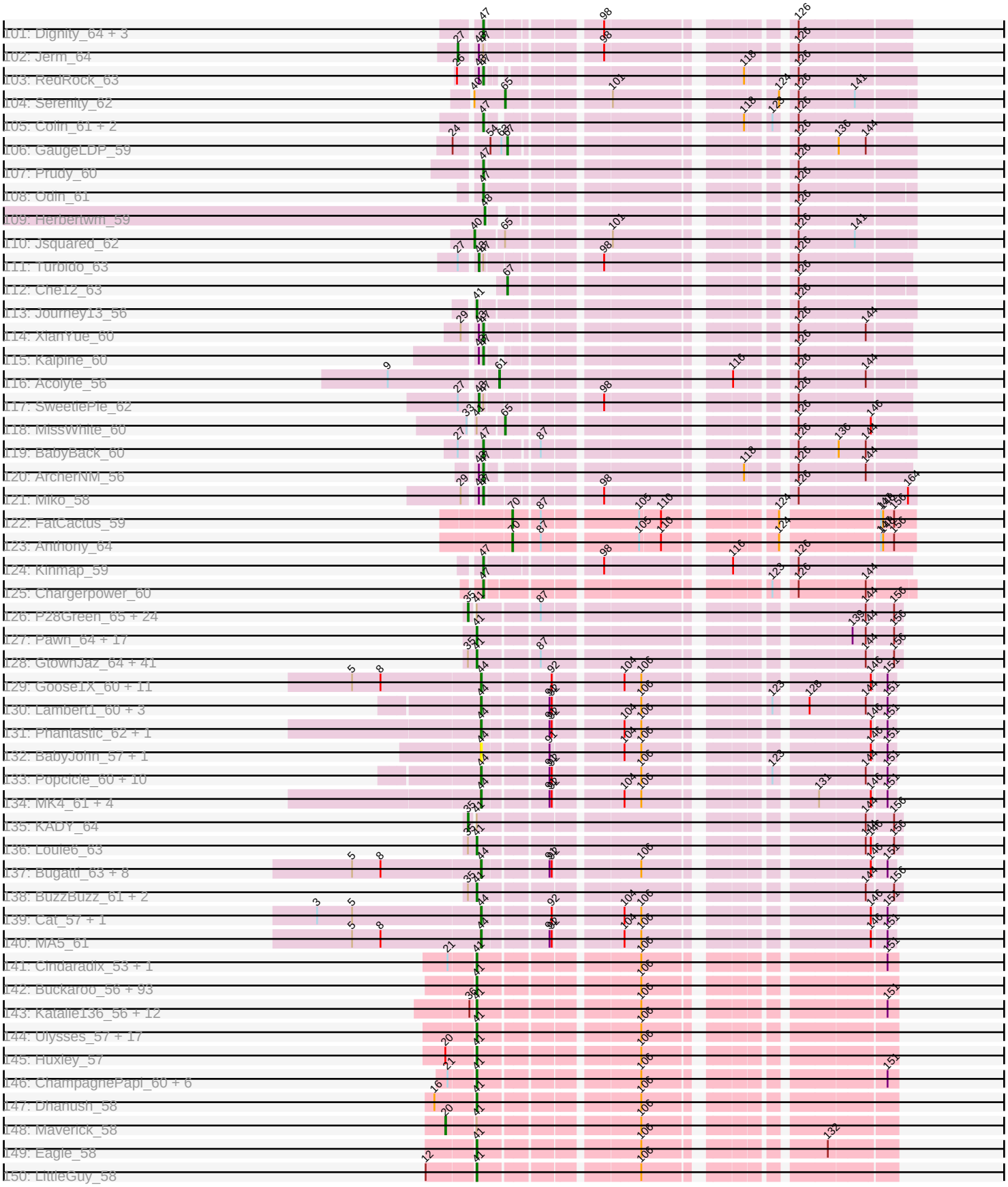
Pham 345184


1: Homines_51 + 12
2: MrGordo_59 + 1
3: Pinto_60 + 8
4: Gwendoluna_62 + 4
5: Peterson_63 + 114
6: Cueylyss_60 + 2
7: Swole_61 + 16
8: CactusRose_58
9: Ohno789_60 + 15
10: SarFire_56 + 1
11: Acme_61 + 2
12: Violet_58
13: Hamf1_55 + 10
14: GMonster_57 + 1
15: Francis47_58 + 4
16: Smeagol_62
17: Naira_62 + 3
18: Euphoria_57
19: Gandalf20_62 + 1
20: MilleFeuille_59 + 6
21: Froghopper_56 + 1
22: STLscum_62
23: Barriga_61 + 1
24: Niza_61
25: EnzoK_59
26: Anglerfish_60 + 2
27: Scowl_60
28: DD5_58 + 1
29: Ringer_59
30: TheloniousMonk_60
31: TwoPeat_62
32: Ichabod_63 + 1
33: Kanely_61 + 1
34: DontArgue_56
35: Goose_59 + 2
36: Rowdy_61 + 2
37: PeaceMeal1_57 + 4
38: Edison31_56 + 3
39: KittenMittens_56
40: Twister_57 + 1
41: Eaglepride_60
42: RhynO_59
43: Bowtie_62 + 4
44: Gliberta_62 + 5
45: Muliciber_60 + 1
46: Hutc2_60 + 9
47: Bachome_63
48: Mabel_61
49: MaCh_61
50: DarthPhader_59 + 1

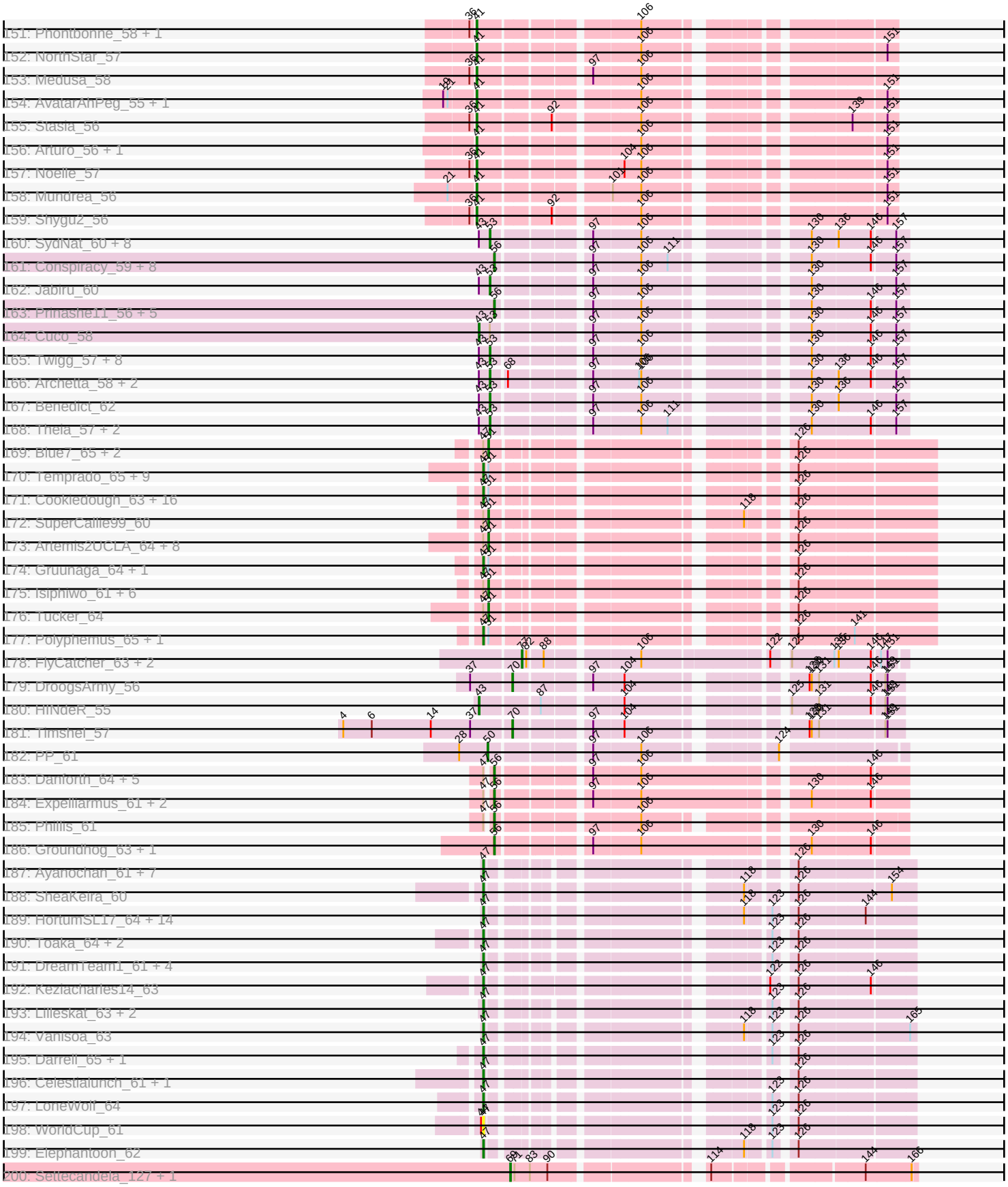
Pham 345184


51: Steamy_58
52: Zimmer_59
53: Phiei_52
54: Jeeves_65
55: Gail_63
56: SororFago_62
57: Sunhee_64
58: Luchador_64
59: Looper_69 + 7
60: Anon_69
61: Oofda_71
62: Elle_65
63: Warrior24_72
64: Lucyedi_64
65: EagleEye_65 + 1
66: Kimona_56
67: Benvolio_59 + 3
68: BengiVuitton_63 + 5
69: EvilGenius_63 + 2
70: DeerParkTS_59 + 1
71: Flare16_62 + 1
72: Changeling_61
73: AN9_64 + 3
74: Tristan_60 + 12
75: NicoleTera_60 + 1
76: Pukovnik_60
77: QueenBeesly_62 + 5
78: BiancaTM92_62 + 1
79: Travvers_62 + 3
80: Anselm_63 + 6
81: Caraxes_61 + 1
82: Loser_63
83: Duplo_63 + 2
84: Iwokeuplikedis_64
85: Sknot_62
86: L5_59
87: Koduck_63
88: AbbyPaige_64 + 4
89: Trooper_63
90: IronMan_61 + 3
91: TipsytheTRex_59
92: Phi8s_63
93: Adzzy_64
94: CRB1_65 + 3
95: Kerberos_63 + 1
96: HarryHoudini_63
97: Rachaly_60 + 3
98: AnnaL29_63
99: EZMoney23_59
100: StarStuff_63

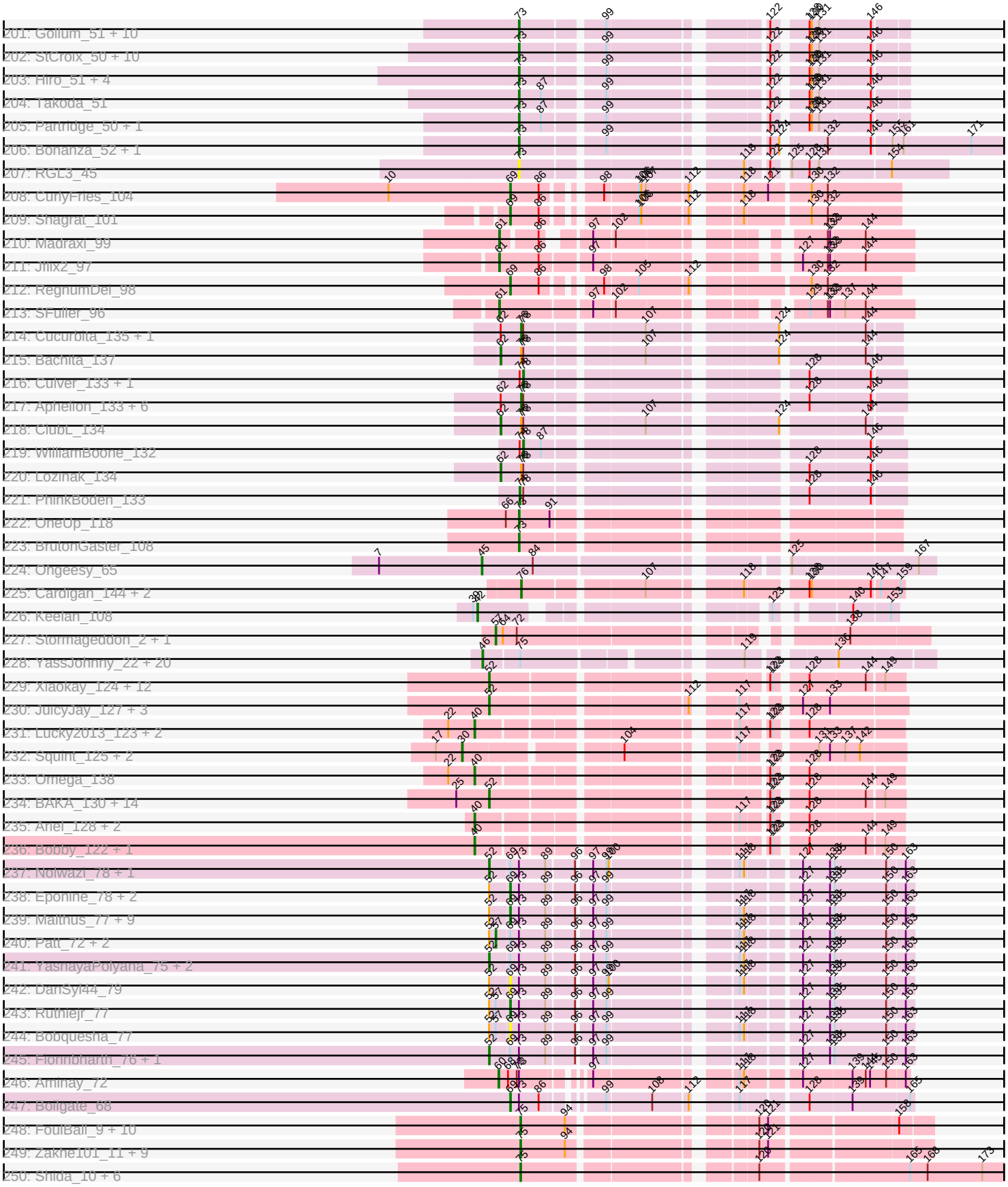
Pham 345184


I01: Dignity_64 + 3
I02: Jerm_64
I03: RedRock_63
I04: Serenity_62
I05: Colin_61 + 2
I06: GaugeLDP_59
I07: Prudy_60
I08: Odin_61
I09: Herbertwm_59
I10: Jsquared_62
I11: Turbido_63
I12: Che12_63
I13: Journey13_56
I14: XianYue_60
I15: Kalpine_60
I16: Acolyte_56
I17: SweetiePie_62
I18: MissWhite_60
I19: BabyBack_60
I20: ArcherNM_56
I21: Miko_58
I22: FatCactus_59
I23: Anthony_64
I24: Kinmap_59
I25: Chargerpower_60
I26: P28Green_65 + 24
I27: Pawn_64 + 17
I28: GlownJaz_64 + 41
I29: Goose1X_60 + 11
I30: Lambert1_60 + 3
I31: Phantastic_62 + 1
I32: BabyJohn_57 + 1
I33: Popcicle_60 + 10
I34: MK4_61 + 4
I35: KADY_64
I36: Louie6_63
I37: Bugatti_63 + 8
I38: BuzzBuzz_61 + 2
I39: Cat_57 + 1
I40: MA5_61
I41: Cindaradix_53 + 1
I42: Buckaroo_56 + 93
I43: Katalie136_56 + 12
I44: Ulysses_57 + 17
I45: Huxley_57
I46: ChampagnePapi_60 + 6
I47: Dhanush_58
I48: Maverick_58
I49: Eagle_58
I50: LittleGuy_58

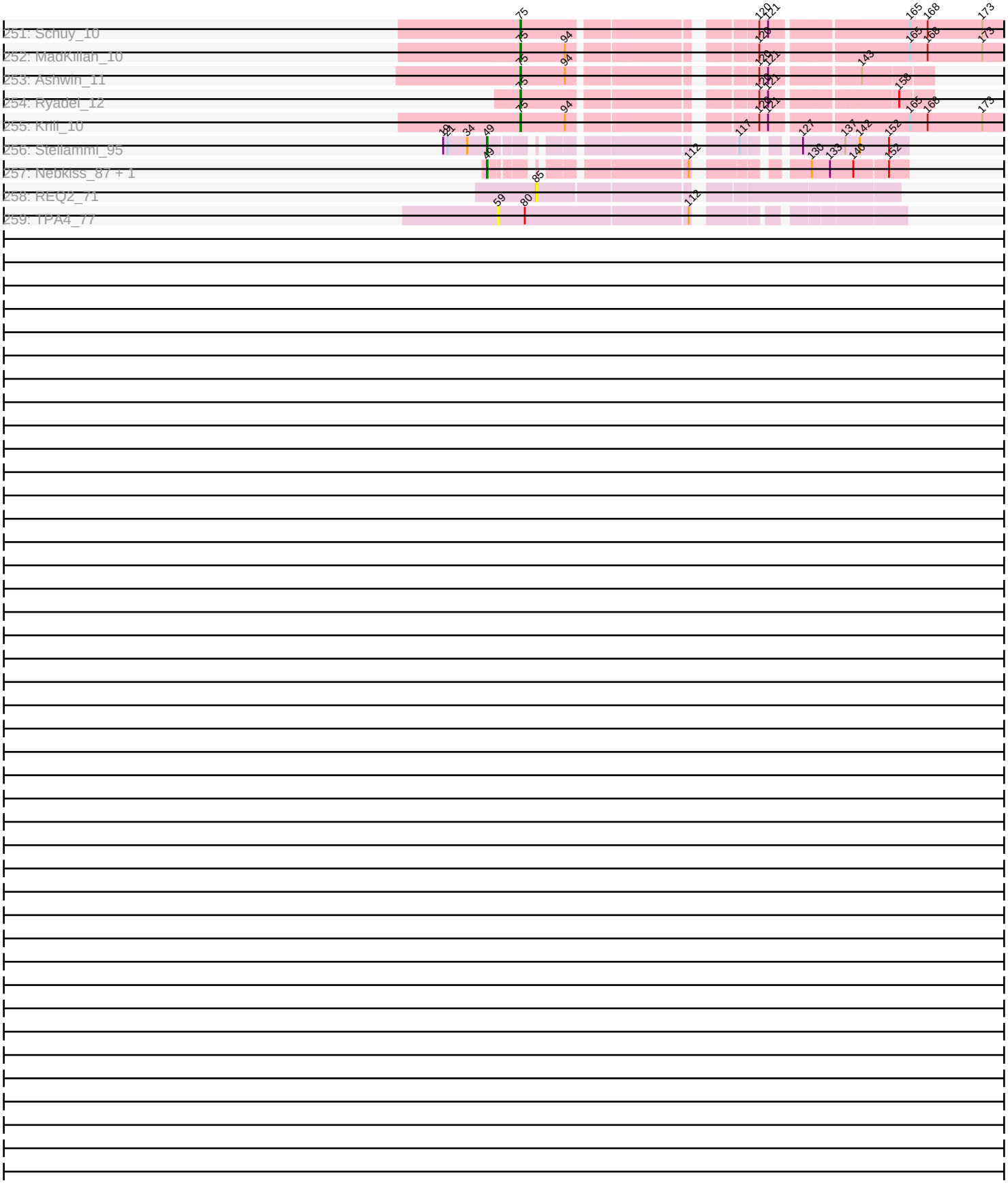
Pham 345184


151: Phontbonne_58 + 1
152: NorthStar_57
153: Medusa_58
154: AvatarAnPeg_55 + 1
155: Stasia_56
156: Arturo_56 + 1
157: Noelle_57
158: Mundrea_56
159: Shygu2_56
160: SydNat_60 + 8
161: Conspiracy_59 + 8
162: Jabiru_60
163: Prinashe11_56 + 5
164: Cuco_58
165: Twigg_57 + 8
166: Archetta_58 + 2
167: Benedict_62
168: Thela_57 + 2
169: Blue7_65 + 2
170: Temprado_65 + 9
171: Cookiedough_63 + 16
172: SuperCallie99_60
173: Artemis2UCLA_64 + 8
174: Gruunaga_64 + 1
175: Isiphiwo_61 + 6
176: Tucker_64
177: Polyphemus_65 + 1
178: FlyCatcher_63 + 2
179: DroogsArmy_56
180: HINdeR_55
181: Timshel_57
182: PP_61
183: Danforth_64 + 5
184: Expelliarmus_61 + 2
185: Phillis_61
186: Groundhog_63 + 1
187: Ayanochan_61 + 7
188: SneaKeira_60
189: HortumSL17_64 + 14
190: Toaka_64 + 2
191: DreamTeam1_61 + 4
192: KeziaCharles14_63
193: Lilleskat_63 + 2
194: Vanisoa_63
195: Darrell_65 + 1
196: Celestialunch_61 + 1
197: LoneWolf_64
198: WorldCup_61
199: Elephantoon_62
200: Settecandela_127 + 1

Pham 345184


201: Gollum_51 + 10
202: StCroix_50 + 10
203: Hiro_51 + 4
204: Takoda_51
205: Partridge_50 + 1
206: Bonanza_52 + 1
207: RGL3_45
208: CurlyFries_104
209: Shagrat_101
210: Madraxi_99
211: Jflix2_97
212: RegnumDei_98
213: SFuller_96
214: Cucurbita_135 + 1
215: Bachita_137
216: Culver_133 + 1
217: Aphelion_133 + 6
218: ClubL_134
219: WilliamBoone_132
220: Lozinak_134
221: PhinkBoden_133
222: OneUp_118
223: BrutonGaster_108
224: Ongeesy_65
225: Cardigan_144 + 2
226: Keelan_108
227: Stormageddon_2 + 1
228: YassJohnny_22 + 20
229: Xiaokay_124 + 12
230: JuicyJay_127 + 3
231: Lucky2013_123 + 2
232: Squint_125 + 2
233: Omega_138
234: BAKA_130 + 14
235: Ariel_128 + 2
236: Bobby_122 + 1
237: Nolwazi_78 + 1
238: Eponine_78 + 2
239: Malthus_77 + 9
240: Patt_72 + 2
241: YashayaPolyana_75 + 2
242: DanSyl44_79
243: Ruthiejr_77
244: Bobquesha_77
245: Fionnbharth_76 + 1
246: Aminay_72
247: Boilgate_68
248: FoulBall_9 + 10
249: Zakhe101_11 + 9
250: Shida_10 + 6

Pham 345184


251: Schuy_10
252: MadKillah_10
253: Ashwin_11
254: Ryadel_12
255: Kmil_10
256: Stellammi_95
257: Nebkiss_87 + 1
258: REQ2_71
259: TPA4_77

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 345184 Report

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

Pham number 345184 has 1080 members, 66 are drafts.

Phages represented in each track:
• Track 1 : Homines_51, MaryBeth_58, SkiPole_64, Corvo_60, MetalQZJ_57, Carlyle_59, Paraselene_57, ProMouse_61, Dynamix_61, Raid_59, Switzer_60, Marco3_63, Doom_58
• Track 2 : MrGordo_59, Big3_58
• Track 3 : Pinto_60, DreamCatcher_63, Rufus_61, BPBiebs31_61, RidgeCB_59, Atkinbua_63, Sanya_58, Rubeus_59, Lopton_59
• Track 4 : Gwendoluna_62, Mryolo_56, Gyzlar_55, Michley_62, BluSpix_57
• Track 5 : Peterson_63, Kykar_60, Buttons_57, Sagefire_62, Kenmech_64, Wheeler_59, Oogway_59, Solon_57, Dexes_59, Tripl3t_62, Phlippers_57, Museum_61, Sumter_55, Snazzy_58, BarrowTuph_60, Eyeball_61, Target_61, Briton15_64, Ruotula_62, Gompeii16_59, A6_53, SwissCheese_60, ConceptII_62, Bruns_58, Tasp14_63, Bircsak_59, Seabiscuit_63, Marsha_59, Norz_61, HanShotFirst_61, Killigrew_59, Dulcie_61, StewieG_55, Licorice_61, Kugel_59, Smairt_63, McSinger_59, JackSparrow_62, Abbyshoes_62, Rajelicia_61, Blue_58, Bigfoot_53, Dussy_61, Lesedi_55, HarryOW_59, BK1_53, Parliament_61, Levia_57, Chanagan_55, Iqorha_55, Payneful_59, Perseus_60, GroundGoblin_58, DrFeelGood_57, Aldrich_58, Edtherson_59, Zeuska_59, Adahisdi_60, Marchy_54, Aeneas_63, Nerujay_62, Bigchungi_60, ShortQueendom_55, PattyP_62, Abrogate_590, Marcell_56, Ashballer_62, Fushigi_56, Hermia_59, Magnar_57, Burton_60, Puppet_60, DirtDevil_59, Hope4ever_61, Mkhuseli_57, Crispicous1_57, Marge_58, Ajay_60, Petruchio_58, Applejack_56, Moose_58, CatBus_57, Pippin_60, Watermelon_60, Forsytheast_58, BaconJack_65, Ciao_58, McGuire_61, Bxb1_54, Paphu_59, Magnito_59, Whitspit_56, JC27_62, BillKnuckles_57, LunarLander_61, Sibs6_62, Fascinus_55, Mule_58, Pelly_60, Inyanga_55, PhrostyMug_60, Trouble_61, Zeeculate_57, Jorgensen_60, Blesser_57, KikiBouba_59, Traft412_62, Seanderson_59, BigPaolini_58, Noxious_59, PhineBark_59, Zephyr_61, BeesKnees_62, Lamina13_63, PowerRanger_57
• Track 6 : Cueylyss_60, Graduation_63, Bones_59
• Track 7 : Swole_61, Petp2012_61, HermioneGrange_61, Tote_56, Jerm2_61, PascalRango_59, PinkPlastic_60, MPlant7149_59, NEHalo_57, JuliaChild_61, Bob3_59, Makemake_61, Molly_62, Arlo_58, Rohr_61, AFIS_56, BigMau_62
• Track 8 : CactusRose_58
• Track 9 : Ohno789_60, PSullivan_59, Sorpresa_57, Beatrix_59, PherrisBueller_58, Dreamboat_60, Sandaddy_56, Pita2_62, GageAP_60, Bethlehem_59, Bexan_57, StrongArm_58, Jasper_60, Pari_62, Blackflame_56, SpikeBT_58
• Track 10 : SarFire_56, Thor_56
• Track 11 : Acme_61, Fajezeel_60, Greg_60

• Track 12 : Violet_58
• Track 13 : Hami1_55, Monet_63, Arcanine_62, Topgun_58, Rutherferd_62, Wilkins_58, Rhynn_58, Slagathor_62, KBG_60, ILeeKay_62, Treddle_61
• Track 14 : GMonster_57, GrecoEtereo_59
• Track 15 : Francis47_58, PacerPaul_59, Agaliana_55, Papez_62, Maroc7_57
• Track 16 : Smeagol_62
• Track 17 : Naira_62, Alvin_58, Fenn_62, Squee_60
• Track 18 : Euphoria_57
• Track 19 : Gandalf20_62, Espresso_58
• Track 20 : MilleFeuille_59, LilBib_59, Sunshine924_61, KyMonks1A_62, Turj99_57, QTRlifeCrisis_59, KSSJEB_59
• Track 21 : Froghopper_56, Alsfro_64
• Track 22 : STLscum_62
• Track 23 : Barriga_61, Nhonho_58
• Track 24 : Niza_61
• Track 25 : EnzoK_59
• Track 26 : Anglerfish_60, ChristmasHams_53, Manatee_60
• Track 27 : Scowl_60
• Track 28 : DD5_58, Lockley_57
• Track 29 : Ringer_59
• Track 30 : TheloniousMonk_60
• Track 31 : TwoPeat_62
• Track 32 : Ichabod_63, U2_58
• Track 33 : Kanely_61, Altman_62
• Track 34 : DontArgue_56
• Track 35 : Goose_59, OKCentral2016_58, Chupacabra_57
• Track 36 : Rowdy_61, DustyMartin_61, Shapes_61
• Track 37 : PeaceMeal1_57, Severus_57, Drake94_57, Poompha_57, Trike_56
• Track 38 : Edison31_56, Topanga_56, Kristoff_58, Rebeuca_59
• Track 39 : KittenMittens_56
• Track 40 : Twister_57, WalterMcMickey_57
• Track 41 : Eaglepride_60
• Track 42 : RhynO_59
• Track 43 : Bowtie_62, Timothy_61, Wolpertinger_59, Flaverint_62, Lucivia_62
• Track 44 : Gilberta_62, Snape_61, Saskia_62, Sham4_61, Orange_60, Petersenfast_61
• Track 45 : Mulciber_60, Kimba_61
• Track 46 : Hutc2_60, Bud_60, Fibonacci_61, Aneem_62, Jabith_62, Et2Brutus_60, TinyTimmy_61, Joselito_62, Insomnia_62, Munch_61
• Track 47 : Bachome_63
• Track 48 : Mabel_61
• Track 49 : MaCh_61
• Track 50 : DarthPhader_59, Refuge_59
• Track 51 : Steamy_58
• Track 52 : Zimmer_59
• Track 53 : Phlei_52
• Track 54 : Jeeves_65
• Track 55 : Gail_63
• Track 56 : SororFago_62
• Track 57 : Sunhee_64
• Track 58 : Luchador_64
• Track 59 : Looper_69, Boohoo_70, Rosalind_68, KatherineG_70, Ravana_71, Soups_70, Waits_70, DekHockey33_71

• Track 60 : Anon_69
• Track 61 : Oofda_71
• Track 62 : Elle_65
• Track 63 : Warrior24_72
• Track 64 : Lucyedi_64
• Track 65 : EagleEye_65, PainterBoy_64
• Track 66 : Kimona_56
• Track 67 : Benvolio_59, JoshKayV_64, Power_61, Echild_62
• Track 68 : BengiVuitton_63, LionsBait_62, AN3_65, HippoHollow_62, VA6_63, Deloris_63
• Track 69 : EvilGenius_63, KingCyrus_63, ChipMunk_64
• Track 70 : DeerParkTS_59, 40AC_62
• Track 71 : Flare16_62, NaSiaTalie_62
• Track 72 : Changeling_61
• Track 73 : AN9_64, ANI8_64, C3_58, VC3_64
• Track 74 : Tristan_60, Gratitude_62, Equemioh13_62, Larenn_60, Baehexic_61, Piro94_62, Updawg_63, Jaan_62, MiculUcigas_62, Centaur_63, Terrific_63, WideWale_63, Malec_61
• Track 75 : NicoleTera_60, ForesterFrank_59
• Track 76 : Pukovnik_60
• Track 77 : QueenBeesly_62, SemperFi_63, Georgie2_63, SnapTap_62, Crucio_62, FiringLine_62
• Track 78 : BiancaTri92_62, Leogania_62
• Track 79 : Travvers_62, DBQu4n_63, Pomar16_62, D29_59
• Track 80 : Anselm_63, Dalmatian_63, DudeLittle_61, Fameo_62, Retro23_63, Heffalump_61, QueenB2_61
• Track 81 : Caraxes_61, Superchunk_61
• Track 82 : Loser_63
• Track 83 : Duplo_63, Naji_63, D32_62
• Track 84 : Iwokeuplikedis_64
• Track 85 : Sknot_62
• Track 86 : L5_59
• Track 87 : Koduck_63
• Track 88 : AbbyPaige_64, Agape74_64, LilTurb_63, Bugsy_64, Drake55_64
• Track 89 : Trooper_63
• Track 90 : IronMan_61, Landor_62, Bactobuster_60, Phaded_61
• Track 91 : TipsytheTRex_59
• Track 92 : Ph8s_63
• Track 93 : Adzzy_64
• Track 94 : CRB1_65, LadyBird_67, 20ES_65, First_0064
• Track 95 : Kerberos_63, Tomathan_63
• Track 96 : HarryHoudini_63
• Track 97 : Rachaly_60, BobSwaget_57, TarsusIV_59, Lokk_58
• Track 98 : AnnaL29_63
• Track 99 : EZMoney23_59
• Track 100 : StarStuff_63
• Track 101 : Dignity_64, Leviathan_64, Smeagan_65, Whabigail7_63
• Track 102 : Jerm_64
• Track 103 : RedRock_63
• Track 104 : Serenity_62
• Track 105 : Colin_61, Trixie_60, WeiHuaDA_62
• Track 106 : GaugeLDP_59
• Track 107 : Prudy_60

• Track 108 : Odin_61
• Track 109 : Herbertwm_59
• Track 110 : Jsquared_62
• Track 111 : Turbido_63
• Track 112 : Che12_63
• Track 113 : Journey13_56
• Track 114 : XianYue_60
• Track 115 : Kalpine_60
• Track 116 : Acolyte_56
• Track 117 : SweetiePie_62
• Track 118 : MissWhite_60
• Track 119 : BabyBack_60
• Track 120 : ArcherNM_56
• Track 121 : Miko_58
• Track 122 : FatCactus_59
• Track 123 : Anthony_64
• Track 124 : Kinmap_59
• Track 125 : Chargerpower_60
• Track 126 : P28Green_65, Jobu08_62, Stagni_64, Malinsilva_66, LBerry_65, Rummer_63, Croquant_64, Grub_64, Sabia_64, Lilith_64, Methuselah_59, Marie_62, Anubis_67, Pembroke_64, SoYo_64, Microwolf_62, MadMarie_64, Lowa_64, Bigflo_64, Tiffany_63, DaHudson_63, JenCasNa_65, Taurus_65, PotatoSplit_65, Grum1_64
• Track 127 : Pawn_64, ClownCar_64, Heliosoles_63, JeppNRM_65, ACFishhook_62, Manu_64, Kalb97_65, Gemma_63, Kalnoky_65, PhishRPhriends_62, HaveUMetTed_65, Groupthink_65, OlanP_63, Calvinny_64, Marius_65, PurpleHaze_64, Reba_64, Phranny_65
• Track 128 : GtownJaz_64, Ollie_64, MoneyMay_63, HashRod_65, MuchMore_67, AgronaGT15_63, Phoxy_64, Wooldri_66, Bxz2_59, Spike509_64, Snickers_64, Mainiac_64, Cullens_64, Beauxregard13_64, SoilDragon_64, Vix_62, LugYA_67, Gwennie_64, Penny1_65, Hercules11_64, PGHhamlin_66, EpicPhail_65, Dieselweasel_65, MarQuardt_64, Aglet_65, Watson_63, Montavir_62, Soshari_66, GingkoMaracino_64, Farber_64, Zetzy_63, JHC117_62, Daishi_63, Phoebe_65, Grif_64, StepMih_63, Sabinator_63, Fernando_64, LarryKay_64, Colbster_63, AugsMagnumOpus_67, BreSam8_64
• Track 129 : Goose1X_60, Fred313_60, Marchesa_60, Shep_60, HelDan_61, Scout_61, Heathen_61, Kachowdy_61, DropBear_61, Goose1D_54, Roimos_60, Zarafa_60
• Track 130 : Lambert1_60, Caviar_60, Panamaxus_58, Margo_60
• Track 131 : Phantastic_62, Rockstar_59
• Track 132 : BabyJohn_57, Chiqui_57
• Track 133 : Popcicle_60, Noella_60, ResDef_60, EtoileNova_60, Hookmount_60, Texage_59, Norbert_58, Todacoro_60, Pocahontas_60, QuinnKiro_59, Veracruz_59
• Track 134 : MK4_61, JF4_59, B1_54, JF2_59, Isca_60
• Track 135 : KADY_64
• Track 136 : Louie6_63
• Track 137 : Bugatti_63, Idleandcovert_61, Clammy_63, Giroux_63, TNguyen7_62, Puppy_62, Pistachio_62, BlueBird_63, SaturnRing_61
• Track 138 : BuzzBuzz_61, Misomonster_65, TinyPebbles_63
• Track 139 : Cat_57, BabyRay_61
• Track 140 : MA5_61
• Track 141 : Cindaradix_53, Miramae_55

• Track 142 : Buckaroo_56, Lemur_58, Nyxis_58, Morrow_59, Chaph_58, JetBlade_58, Mayonnaise_57, TroyPia_59, LittleB_58, Phacado_58, CentreCat_58, Wizard007_58, BubbleTrouble_57, Skipitt_57, Koan_56, Kremtemulon_58, LappelDuVide_58, Roosevelt_57, Florean_58, MeeZee_58, Commander_58, SenorClean_58, Northrop_57, Taquarus_58, Sultana_58, Connomayer_58, Eros_58, Clarenza_57, Pipcraft_56, Blackmoor_58, Deano_57, Shaka_57, Citius_58, Eapen_58, Annyong_58, Palestino_57, Funston_57, OKaNui_58, Wilbur_58, Rocksand_57, JoongJeon_57, Mazhar510_58, TygerBlood_58, Koreni_57, SteMason_57, Millski_57, Gadost_58, Avle17_58, Caelakin_58, Sabertooth_58, Melvin_60, Broseidon_58, Lunsford_59, Bartimeaus_58, Burger_56, NotAPhaseMom_58, Bruiser_57, Albee_58, Houdini22_58, Flux_58, Maxo_59, Romney_57, Junimo_56, Sparxx_59, Lorenzo_58, Pumbaa_58, TiroTheta9_58, Cocoaberry_58, YoSam321_58, Skadoosh_58, Kingmustik0402_58, KekoraPapaka_57, Jaykayelowell_56, Relief_57, TinaFeyge_57, Wander_58, PeterPeter_58, Nemo27_58, RockieBear_58, Polymorphads_59, Bombshell_58, Ruin_58, Alberto7_59, KFPoly_57, Thanksgivukkah_57, Camperdownii_56, Baby16_58, Scamp_58, Druantia_58, Peaches_57, Holli_57, HamSlice_56, Kyee_58, Kampy_57
• Track 143 : Katalie136_56, Badger_55, Bumblebee11_55, Cici_56, Xena_55, Datway_56, PetiteSangsue_56, Perplexer_56, Wile_56, Achebe_55, Morpher26_56, Backyardigan_54, AbbysRanger_56
• Track 144 : Ulysses_57, Phighter1804_58, Iceman_58, DirtyDunning_57, Eurydice_59, LeoAvram_57, Spino_57, Rosa24_56, BellusTerra_59, Ohfah_59, Nebs_59, Iracema64_59, Cintron_57, LochMonster_59, ICleared_58, Phelipe_59, Tinybot_57, Abdiel_58
• Track 145 : Huxley_57
• Track 146 : ChampagnePapi_60, Obama12_59, Cerulean_59, Happiness_57, BangNhom_58, LHTSCC_60, SheldonCooper_59
• Track 147 : Dhanush_58
• Track 148 : Maverick_58
• Track 149 : Eagle_58
• Track 150 : LittleGuy_58
• Track 151 : Phontbonne_58, Eris_57
• Track 152 : NorthStar_57
• Track 153 : Medusa_58
• Track 154 : AvatarAhPeg_55, Stink_55
• Track 155 : Stasia_56
• Track 156 : Arturo_56, Kratark_57
• Track 157 : Noelle_57
• Track 158 : Mundrea_56
• Track 159 : Shygu2_56
• Track 160 : SydNat_60, PetterN_64, Scorpia_63, Chadwick_61, Ghoulboy_60, Airmid_59, Zolita_59, Naca_59, ElTiger69_61
• Track 161 : Conspiracy_59, Phlorence_57, ForGetIt_59, Tiger_58, Jovo_59, AgentM_58, PickleBack_59, Aragog_58, Lev2_59
• Track 162 : Jabiru_60
• Track 163 : Prinashe11_56, Florence4_56, HuhtaEnerson15_57, Bonamassa_56, Florence1_54, Tarynearal_55
• Track 164 : Cuco_58
• Track 165 : Twigg_57, Coog_56, UnionJack_60, George_55, MarysWell_58, Midas2_56, Swirley_59, Milcery_57, LittleCherry_57
• Track 166 : Archetta_58, Bluefalcon_56, Discoknowium_57
• Track 167 : Benedict_62

• Track 168 : Theia_57, Dublin_58, Micasa_58
• Track 169 : Blue7_65, Hammer_64, Roksolana_65
• Track 170 : Temprado_65, Jeffabunny_64, BennyP_64, ToneTone_61, Hexamo_64, Helmet_66, Gladiator_61, Yokurt_63, Indra_67, Garak_65
• Track 171 : Cookiedough_63, Newrala_63, Blinn1_66, Priamo_65, JewelBug_63, Imbriano_65, VohminGhazi_63, Kazan_64, Candra_64, DaVinci_61, BABullseye_56, Jordennis_62, Pmask_62, EricB_62, Neeharika16_62, GreedyLawyer_61, Kipper29_63
• Track 172 : SuperCallie99_60
• Track 173 : Artemis2UCLA_64, WunderPhul_64, CloudWang3_65, BlessJoy_64, Wiks_63, Lilbunny_63, Zaka_64, Koko_66, Zulu_65
• Track 174 : Gruunaga_64, Rifter_64
• Track 175 : Isiphiwo_61, SuperAwesome_63, Chartreuse_62, Hoot_58, SmellyB_63, McFly_63, DelvinSonDorr_60
• Track 176 : Tucker_64
• Track 177 : Polyphemus_65, Dorothea_63
• Track 178 : FlyCatcher_63, Toro_61, Sheen_60
• Track 179 : DroogsArmy_56
• Track 180 : HINdeR_55
• Track 181 : Timshel_57
• Track 182 : PP_61
• Track 183 : Danforth_64, Caitlin_63, Stephig9_63, Saintus_59, Roary_65, NearlyHeadless_64
• Track 184 : Expelliarmus_61, Dixon_63, Smeadley_64
• Track 185 : Phillis_61
• Track 186 : Groundhog_63, Astro_64
• Track 187 : Ayanochan_61, Spouty_62, Priya_62, EmyBug_61, Eidsmoe_62, Fayely_62, Klodlith_61, Conquerage_62
• Track 188 : SheaKeira_60
• Track 189 : HortumSL17_64, Jiawan_64, Beemo_64, Onglai_63, Alma_62, Hanray_64, RyeScarlet_64, Holex_64, Tubs_63, Aliter_64, Myxus_63, Ugenie5_60, Phonnegut_64, Phaeder_63, Scherzo_64
• Track 190 : Toaka_64, Bellris_63, Rahalelujah_63
• Track 191 : DreamTeam1_61, Arissanae_62, Charm_61, BogosyJay_62, Maminiaina_62
• Track 192 : Keziacharles14_63
• Track 193 : Lilleskat_63, EdogawaKiddo_63, Sachima_63
• Track 194 : Vanisoa_63
• Track 195 : Darrell_65, Yecey3_64
• Track 196 : Celestialunch_61, MegTheThird_61
• Track 197 : LoneWolf_64
• Track 198 : WorldCup_61
• Track 199 : Elephantoon_62
• Track 200 : Settecandela_127, Phrappuccino_127
• Track 201 : Gollum_51, RexFury_50, Shuman_51, Nancinator_51, UhSalsa_51, Natosaleda_50, Belenaria_51, Espica_51, Phrankenstein_51, AppleCloud_48, PhailMary_50
• Track 202 : StCroix_50, Lillie_51, Rhodalysa_51, Bradshaw_51, Swann_51, Erik_51, TWAMP_51, Naiad_50, CosmicSans_51, Alatin_50, Rasputin_51
• Track 203 : Hiro_51, Jester_50, Harlequin_50, Bryce_50, Alpacados_50
• Track 204 : Takoda_51
• Track 205 : Partridge_50, Dinger_50
• Track 206 : Bonanza_52, Yogi_51

• Track 207 : RGL3_45
• Track 208 : CurlyFries_104
• Track 209 : Shagrat_101
• Track 210 : Madraxi_99
• Track 211 : Jflix2_97
• Track 212 : RegnumDei_98
• Track 213 : SFuller_96
• Track 214 : Cucurbita_135, Engineer_136
• Track 215 : Bachita_137
• Track 216 : Culver_133, Norvs_132
• Track 217 : Aphelion_133, Abscondus_133, Geeche_132, Toniann_134, Smoothie_135, Miskis_129, Dusty_131
• Track 218 : ClubL_134
• Track 219 : WilliamBoone_132
• Track 220 : Lozinak_134
• Track 221 : PhinkBoden_133
• Track 222 : OneUp_118
• Track 223 : BrutonGaster_108
• Track 224 : Ohgeesy_65
• Track 225 : Cardigan_144, JonJames_144, Yvonnetastic_141
• Track 226 : Keelan_108
• Track 227 : Stormageddon_2, RedWattleHog_2
• Track 228 : YassJohnny_22, Teaspoon_22, Livelaughbron_21, Bruin_21, Bask21_21, Harella_20, Emmina_22, HufflyPuff_20, Phaux_20, BigBubba_22, BugsBunny_19, Policronamos_21, Murica_20, Nala_21, Pumpkin_23, xkcd_22, Hopey_23, Stank_24, Tuco_22, 244_23, Manda_22
• Track 229 : Xiaokay_124, Redno2_122, Kalah2_121, DmpstrDiver_130, Constella_120, Hidrated_113, Yeet_122, Bagrid_130, Ejimix_124, Halley_132, Thibault_112, Pound_119, Dallas_131
• Track 230 : JuicyJay_127, NihilNomen_132, Bombitas_118, Beem_132
• Track 231 : Lucky2013_123, LittleE_131, Porcelain_126
• Track 232 : Squint_125, KashFlow_124, MiaZeal_127
• Track 233 : Omega_138
• Track 234 : BAKA_130, Hughesyang_130, HokkenD_120, Duke13_125, Schatzie_126, Odette_132, ThreeRngTarjay_126, Minerva_129, Dove_116, Klein_127, Wanda_129, Phoebus_131, Optimus_121, EricMillard_122, Zelink_125
• Track 235 : Ariel_128, Courthouse_123, Superphikiman_125
• Track 236 : Bobby_122, Marleymoo_115
• Track 237 : Nolwazi_78, Lebo14_75
• Track 238 : Eponine_78, Taquito_75, Wintermute_76
• Track 239 : Malthus_77, Qhanda_78, Chancellor_76, JF1_76, SamScheppers_75, Slarp_76, Y2_73, Juliette_78, Y10_73, Kraw_76
• Track 240 : Patt_72, MissDaisy_73, Reptar3000_73
• Track 241 : YasnayaPolyana_75, Cheetobro_76, OmniCritical_76
• Track 242 : DanSyl44_79
• Track 243 : Ruthiejr_77
• Track 244 : Bobquesha_77
• Track 245 : Fionnbharth_76, Mitti_76
• Track 246 : Aminay_72
• Track 247 : Boilgate_68
• Track 248 : FoulBall_9, Idergollasper_9, YoyoKar_9, SchoolBus_9, Zebo_9, Familton_10, KingPhillip3_9, JangDynasty_9, TelAviv_9, Blessica_9, Catdawg_9

• Track 249 : Zakhe101_11, Winget_10, Vagabond_10, Imara_10, Corndog_11, Bora_10, Wildflower_10, Firecracker_10, YungJamal_11, Smooch_11
• Track 250 : Shida_10, Wogge42_10, Alkhayr_10, Murai_10, Mori_10, Vorrps_10, NiebruSaylor_10
• Track 251 : Schuy_10
• Track 252 : MadKillah_10
• Track 253 : Ashwin_11
• Track 254 : Ryadel_12
• Track 255 : Krili_10
• Track 256 : Stellammi_95
• Track 257 : Nebkiss_87, Gaia_88
• Track 258 : REQ2_71
• Track 259 : TPA4_77

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

The start number called the most often in the published annotations is 41, it was called in 207 of the 1014 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ACFishhook_62, AbbysRanger_56, Abdiel_58, Achebe_55, Aglet_65, AgronaGT15_63, Albee_58, Alberto7_59, Annyong_58, Arturo_56, AugsMagnumOpus_67, AvatarAhPeg_55, Avle17_58, Baby16_58, Backyardigan_54, Badger_55, BangNhom_58, Bartimeaus_58, Beauxregard13_64, BellusTerra_59, Blackmoor_58, Bombshell_58, BreSam8_64, Broseidon_58, Bruiser_57, BubbleTrouble_57, Buckaroo_56, Bumblebee11_55, Burger_56, BuzzBuzz_61, Bxz2_59, Caelakin_58, Calvinny_64, Camperdownii_56, CentreCat_58, Cerulean_59, ChampagnePapi_60, Chaph_58, Cici_56, Cindaradix_53, Cintron_57, Citius_58, Clarenza_57, ClownCar_64, Cocoaberry_58, Colbster_63, Commander_58, Connomayer_58, Cullens_64, Daishi_63, Datway_56, Deano_57, Dhanush_58, Dieselweasel_65, DirtyDunning_57, Druantia_58, Eagle_58, Eapen_58, EpicPhail_65, Eris_57, Eros_58, Eurydice_59, Farber_64, Fernando_64, Florean_58, Flux_58, Funston_57, Gadost_58, Gemma_63, GingkoMaracino_64, Grif_64, Groupthink_65, GtownJaz_64, Gwennie_64, HamSlice_56, Happiness_57, HashRod_65, HaveUMetTed_65, Heliosoles_63, Hercules11_64, Holli_57, Houdini22_58, Huxley_57, ICleared_58, Iceman_58, Iracema64_59, JHC117_62, Jaykayelowell_56, JeppNRM_65, JetBlade_58, JoongJeon_57, Journey13_56, Junimo_56, KFPoly_57, Kalb97_65, Kalnoky_65, Kampy_57, Katalie136_56, KekoraPapaka_57, Kingmustik0402_58, Koan_56, Koreni_57, Kratark_57, Kremtemulon_58, Kyee_58, LHTSCC_60, LappelDuVide_58, LarryKay_64, Lemur_58, LeoAvram_57, LittleB_58, LittleGuy_58, LochMonster_59, Lorenzo_58, Louie6_63, LugYA_67, Lunsford_59, Mainiac_64, Manu_64, MarQuardt_64, Marius_65, Maxo_59, Mayonnaise_57, Mazhar510_58, Medusa_58, MeeZee_58, Melvin_60, Millski_57, Miramae_55, Misomonster_65, MoneyMay_63, Montavir_62, Morpher26_56, Morrow_59, MuchMore_67, Mundrea_56, Nebs_59, Nemo27_58, Noelle_57, NorthStar_57, Northrop_57, NotAPhaseMom_58, Nyxis_58, OKaNui_58, Obama12_59, Ohfah_59, OlanP_63, Ollie_64, PGHhamlin_66, Palestino_57, Pawn_64, Peaches_57, Penny1_65, Perplexer_56, PeterPeter_58, PetiteSangsue_56, Phacado_58, Phelipe_59, Phighter1804_58, PhishRPhriends_62, Phoebe_65, Phontbonne_58, Phoxy_64, Phranny_65, Pipcraft_56,

Polymorphads_59, Pumbaa_58, PurpleHaze_64, Reba_64, Relief_57, RockieBear_58, Rocksand_57, Romney_57, Roosevelt_57, Rosa24_56, Ruin_58, Sabertooth_58, Sabinator_63, Scamp_58, SenorClean_58, Shaka_57, SheldonCooper_59, Shygu2_56, Skadoosh_58, Skipitt_57, Snickers_64, SoilDragon_64, Soshari_66, Sparxx_59, Spike509_64, Spino_57, Stasia_56, SteMason_57, StepMih_63, Stink_55, Sultana_58, Taquarus_58, Thanksgivukkah_57, TinaFeyge_57, TinyPebbles_63, Tinybot_57, TiroTheta9_58, TroyPia_59, TygerBlood_58, Ulysses_57, Vix_62, Wander_58, Watson_63, Wilbur_58, Wile_56, Wizard007_58, Wooldri_66, Xena_55, YoSam321_58, Zetzy_63,

Genes that have the "Most Annotated" start but do not call it:
• Anubis_67, Bigflo_64, Croquant_64, DaHudson_63, Grub_64, Grum1_64, JenCasNa_65, Jobu08_62, KADY_64, LBerry_65, Lilith_64, Lowa_64, MadMarie_64, Malinsilva_66, Marie_62, Maverick_58, Methuselah_59, Microwolf_62, MissWhite_60, P28Green_65, Pembroke_64, PotatoSplit_65, Rummer_63, Sabia_64, SoYo_64, Stagni_64, Taurus_65, Tiffany_63,

Genes that do not have the "Most Annotated" start:
• 20ES_65, 244_23, 40AC_62, A6_53, AFIS_56, AN3_65, AN9_64, ANI8_64, AbbyPaige_64, Abbyshoes_62, Abrogate_590, Abscondus_133, Acme_61, Acolyte_56, Adahisdi_60, Adzzy_64, Aeneas_63, Agaliana_55, Agape74_64, AgentM_58, Airmid_59, Ajay_60, Alatin_50, Aldrich_58, Aliter_64, Alkhayr_10, Alma_62, Alpacados_50, Alsfro_64, Altman_62, Alvin_58, Aminay_72, Aneem_62, Anglerfish_60, AnnaL29_63, Anon_69, Anselm_63, Anthony_64, Aphelion_133, AppleCloud_48, Applejack_56, Aragog_58, Arcanine_62, ArcherNM_56, Archetta_58, Ariel_128, Arissanae_62, Arlo_58, Artemis2UCLA_64, Ashballer_62, Ashwin_11, Astro_64, Atkinbua_63, Ayanochan_61, B1_54, BABullseye_56, BAKA_130, BK1_53, BPBiebs31_61, BabyBack_60, BabyJohn_57, BabyRay_61, Bachita_137, Bachome_63, BaconJack_65, Bactobuster_60, Baehexic_61, Bagrid_130, Barriga_61, BarrowTuph_60, Bask21_21, Beatrix_59, Beem_132, Beemo_64, BeesKnees_62, Belenaria_51, Bellris_63, Benedict_62, BengiVuitton_63, BennyP_64, Benvolio_59, Bethlehem_59, Bexan_57, BiancaTri92_62, Big3_58, BigBubba_22, BigMau_62, BigPaolini_58, Bigchungi_60, Bigfoot_53, BillKnuckles_57, Bircsak_59, Blackflame_56, BlessJoy_64, Blesser_57, Blessica_9, Blinn1_66, BluSpix_57, Blue7_65, BlueBird_63, Blue_58, Bluefalcon_56, Bob3_59, BobSwaget_57, Bobby_122, Bobquesha_77, BogosyJay_62, Boilgate_68, Bombitas_118, Bonamassa_56, Bonanza_52, Bones_59, Boohoo_70, Bora_10, Bowtie_62, Bradshaw_51, Briton15_64, Bruin_21, Bruns_58, BrutonGaster_108, Bryce_50, Bud_60, Bugatti_63, BugsBunny_19, Bugsy_64, Burton_60, Buttons_57, Bxb1_54, C3_58, CRB1_65, CactusRose_58, Caitlin_63, Candra_64, Caraxes_61, Cardigan_144, Carlyle_59, CatBus_57, Cat_57, Catdawg_9, Caviar_60, Celestialunch_61, Centaur_63, Chadwick_61, Chanagan_55, Chancellor_76, Changeling_61, Chargerpower_60, Charm_61, Chartreuse_62, Che12_63, Cheetobro_76, ChipMunk_64, Chiqui_57, ChristmasHams_53, Chupacabra_57, Ciao_58, Clammy_63, CloudWang3_65, ClubL_134, Colin_61, ConceptII_62, Conquerage_62, Conspiracy_59, Constella_120, Coog_56, Cookiedough_63, Corndog_11, Corvo_60, CosmicSans_51, Courthouse_123, Crispicous1_57, Crucio_62, Cuco_58, Cucurbita_135, Cueylyss_60, Culver_133, CurlyFries_104, D29_59, D32_62, DBQu4n_63, DD5_58, DaVinci_61, Dallas_131, Dalmatian_63, DanSyl44_79, Danforth_64, Darrell_65, DarthPhader_59, DeerParkTS_59, DekHockey33_71, Deloris_63, DelvinSonDorr_60, Dexes_59, Dignity_64, Dinger_50, DirtDevil_59, Discoknowium_57, Dixon_63, DmpstrDiver_130, DontArgue_56, Doom_58, Dorothea_63, Dove_116, DrFeelGood_57, Drake55_64, Drake94_57,

DreamCatcher_63, DreamTeam1_61, Dreamboat_60, DroogsArmy_56, DropBear_61, Dublin_58, DudeLittle_61, Duke13_125, Dulcie_61, Duplo_63, Dussy_61, DustyMartin_61, Dusty_131, Dynamix_61, EZMoney23_59, EagleEye_65, Eaglepride_60, Echild_62, Edison31_56, EdogawaKiddo_63, Edtherson_59, Eidsmoe_62, Ejimix_124, ElTiger69_61, Elephantoon_62, Elle_65, Emmina_22, EmyBug_61, Engineer_136, EnzoK_59, Eponine_78, Equemioh13_62, EricB_62, EricMillard_122, Erik_51, Espica_51, Espresso_58, Et2Brutus_60, EtoileNova_60, Euphoria_57, EvilGenius_63, Expelliarmus_61, Eyeball_61, Fajezeel_60, Fameo_62, Familton_10, Fascinus_55, FatCactus_59, Fayely_62, Fenn_62, Fibonacci_61, Fionnbharth_76, Firecracker_10, FiringLine_62, First_0064, Flare16_62, Flaverint_62, Florence1_54, Florence4_56, FlyCatcher_63, ForGetIt_59, ForesterFrank_59, Forsytheast_58, FoulBall_9, Francis47_58, Fred313_60, Froghopper_56, Fushigi_56, GMonster_57, GageAP_60, Gaia_88, Gail_63, Gandalf20_62, Garak_65, GaugeLDP_59, Geeche_132, George_55, Georgie2_63, Ghoulboy_60, Gilberta_62, Giroux_63, Gladiator_61, Gollum_51, Gompeii16_59, Goose1D_54, Goose1X_60, Goose_59, Graduation_63, Gratitude_62, GrecoEtereo_59, GreedyLawyer_61, Greg_60, GroundGoblin_58, Groundhog_63, Gruunaga_64, Gwendoluna_62, Gyzlar_55, HINdeR_55, Halley_132, Hami1_55, Hammer_64, HanShotFirst_61, Hanray_64, Harella_20, Harlequin_50, HarryHoudini_63, HarryOW_59, Heathen_61, Heffalump_61, HelDan_61, Helmet_66, Herbertwm_59, Hermia_59, HermioneGrange_61, Hexamo_64, Hidrated_113, HippoHollow_62, Hiro_51, HokkenD_120, Holex_64, Homines_51, Hookmount_60, Hoot_58, Hope4ever_61, Hopey_23, HortumSL17_64, HufflyPuff_20, Hughesyang_130, HuhtaEnerson15_57, Hutc2_60, ILeeKay_62, Ichabod_63, Idergollasper_9, Idleandcovert_61, Imara_10, Imbriano_65, Indra_67, Insomnia_62, Inyanga_55, Iqorha_55, IronMan_61, Isca_60, Isiphiwo_61, Iwokeuplikedis_64, JC27_62, JF1_76, JF2_59, JF4_59, Jaan_62, Jabiru_60, Jabith_62, JackSparrow_62, JangDynasty_9, Jasper_60, Jeeves_65, Jeffabunny_64, Jerm2_61, Jerm_64, Jester_50, JewelBug_63, Jflix2_97, Jiawan_64, JonJames_144, Jordennis_62, Jorgensen_60, Joselito_62, JoshKayV_64, Jovo_59, Jsquared_62, JuicyJay_127, JuliaChild_61, Juliette_78, KBG_60, KSSJEB_59, Kachowdy_61, Kalah2_121, Kalpine_60, Kanely_61, KashFlow_124, KatherineG_70, Kazan_64, Keelan_108, Kenmech_64, Kerberos_63, Keziacharles14_63, KikiBouba_59, Killigrew_59, Kimba_61, Kimona_56, KingCyrus_63, KingPhillip3_9, Kinmap_59, Kipper29_63, KittenMittens_56, Klein_127, Klodlith_61, Koduck_63, Koko_66, Kraw_76, Krili_10, Kristoff_58, Kugel_59, KyMonks1A_62, Kykar_60, L5_59, LadyBird_67, Lambert1_60, Lamina13_63, Landor_62, Larenn_60, Lebo14_75, Leogania_62, Lesedi_55, Lev2_59, Levia_57, Leviathan_64, Licorice_61, LilBib_59, LilTurb_63, Lilbunny_63, Lilleskat_63, Lillie_51, LionsBait_62, LittleCherry_57, LittleE_131, Livelaughbron_21, Lockley_57, Lokk_58, LoneWolf_64, Looper_69, Lopton_59, Loser_63, Lozinak_134, Luchador_64, Lucivia_62, Lucky2013_123, Lucyedi_64, LunarLander_61, MA5_61, MK4_61, MPlant7149_59, MaCh_61, Mabel_61, MadKillah_10, Madraxi_99, Magnar_57, Magnito_59, Makemake_61, Malec_61, Malthus_77, Maminiaina_62, Manatee_60, Manda_22, Marcell_56, Marchesa_60, Marchy_54, Marco3_63, Marge_58, Margo_60, Marleymoo_115, Maroc7_57, Marsha_59, MaryBeth_58, MarysWell_58, McFly_63, McGuire_61, McSinger_59, MegTheThird_61, MetalQZJ_57, MiaZeal_127, Micasa_58, Michley_62, MiculUcigas_62, Midas2_56, Miko_58, Milcery_57, MilleFeuille_59, Minerva_129, Miskis_129, MissDaisy_73, Mitti_76, Mkhuseli_57, Molly_62, Monet_63, Moose_58, Mori_10, MrGordo_59, Mryolo_56, Mulciber_60, Mule_58, Munch_61, Murai_10, Murica_20, Museum_61, Myxus_63, NEHalo_57, NaSiaTalie_62, Naca_59, Naiad_50, Naira_62, Naji_63, Nala_21, Nancinator_51, Natosaleda_50, NearlyHeadless_64, Nebkiss_87, Neeharika16_62, Nerujay_62,

Newrala_63, Nhonho_58, NicoleTera_60, NiebruSaylor_10, NihilNomen_132, Niza_61, Noella_60, Nolwazi_78, Norbert_58, Norvs_132, Norz_61, Noxious_59, OKCentral2016_58, Odette_132, Odin_61, Ohgeesy_65, Ohno789_60, Omega_138, OmniCritical_76, OneUp_118, Onglai_63, Oofda_71, Oogway_59, Optimus_121, Orange_60, PP_61, PSullivan_59, PacerPaul_59, PainterBoy_64, Panamaxus_58, Papez_62, Paphu_59, Paraselene_57, Pari_62, Parliament_61, Partridge_50, PascalRango_59, Patt_72, PattyP_62, Payneful_59, PeaceMeal1_57, Pelly_60, Perseus_60, Petersenfast_61, Peterson_63, Petp2012_61, Petruchio_58, PetterN_64, Ph8s_63, Phaded_61, Phaeder_63, PhailMary_50, Phantastic_62, Phaux_20, PherrisBueller_58, Phillis_61, PhineBark_59, PhinkBoden_133, Phlei_52, Phlippers_57, Phlorence_57, Phoebus_131, Phonnegut_64, Phrankenstein_51, Phrappuccino_127, PhrostyMug_60, PickleBack_59, PinkPlastic_60, Pinto_60, Pippin_60, Piro94_62, Pistachio_62, Pita2_62, Pmask_62, Pocahontas_60, Policronamos_21, Polyphemus_65, Pomar16_62, Poompha_57, Popcicle_60, Porcelain_126, Pound_119, PowerRanger_57, Power_61, Priamo_65, Prinashe11_56, Priya_62, ProMouse_61, Prudy_60, Pukovnik_60, Pumpkin_23, Puppet_60, Puppy_62, QTRlifeCrisis_59, Qhanda_78, QueenB2_61, QueenBeesly_62, QuinnKiro_59, REQ2_71, RGL3_45, Rachaly_60, Rahalelujah_63, Raid_59, Rajelicia_61, Rasputin_51, Ravana_71, Rebeuca_59, RedRock_63, RedWattleHog_2, Redno2_122, Refuge_59, RegnumDei_98, Reptar3000_73, ResDef_60, Retro23_63, RexFury_50, Rhodalysa_51, RhynO_59, Rhynn_58, RidgeCB_59, Rifter_64, Ringer_59, Roary_65, Rockstar_59, Rohr_61, Roimos_60, Roksolana_65, Rosalind_68, Rowdy_61, Rubeus_59, Rufus_61, Ruotula_62, Rutherferd_62, Ruthiejr_77, Ryadel_12, RyeScarlet_64, SFuller_96, STLscum_62, Sachima_63, Sagefire_62, Saintus_59, SamScheppers_75, Sandaddy_56, Sanya_58, SarFire_56, Saskia_62, SaturnRing_61, Schatzie_126, Scherzo_64, SchoolBus_9, Schuy_10, Scorpia_63, Scout_61, Scowl_60, Seabiscuit_63, Seanderson_59, SemperFi_63, Serenity_62, Settecandela_127, Severus_57, Shagrat_101, Sham4_61, Shapes_61, SheaKeira_60, Sheen_60, Shep_60, Shida_10, ShortQueendom_55, Shuman_51, Sibs6_62, SkiPole_64, Sknot_62, Slagathor_62, Slarp_76, Smairt_63, Smeadley_64, Smeagan_65, Smeagol_62, SmellyB_63, Smooch_11, Smoothie_135, SnapTap_62, Snape_61, Snazzy_58, Solon_57, SororFago_62, Sorpresa_57, Soups_70, SpikeBT_58, Spouty_62, Squee_60, Squint_125, StCroix_50, Stank_24, StarStuff_63, Steamy_58, Stellammi_95, Stephig9_63, StewieG_55, Stormageddon_2, StrongArm_58, Sumter_55, Sunhee_64, Sunshine924_61, SuperAwesome_63, SuperCallie99_60, Superchunk_61, Superphikiman_125, Swann_51, SweetiePie_62, Swirley_59, SwissCheese_60, Switzer_60, Swole_61, SydNat_60, TNguyen7_62, TPA4_77, TWAMP_51, Takoda_51, Taquito_75, Target_61, TarsusIV_59, Tarynearal_55, Tasp14_63, Teaspoon_22, TelAviv_9, Temprado_65, Terrific_63, Texage_59, Theia_57, TheloniousMonk_60, Thibault_112, Thor_56, ThreeRngTarjay_126, Tiger_58, Timothy_61, Timshel_57, TinyTimmy_61, TipsytheTRex_59, Toaka_64, Todacoro_60, Tomathan_63, ToneTone_61, Toniann_134, Topanga_56, Topgun_58, Toro_61, Tote_56, Traft412_62, Travvers_62, Treddle_61, Trike_56, Tripl3t_62, Tristan_60, Trixie_60, Trooper_63, Trouble_61, Tubs_63, Tucker_64, Tuco_22, Turbido_63, Turj99_57, Twigg_57, Twister_57, TwoPeat_62, U2_58, Ugenie5_60, UhSalsa_51, UnionJack_60, Updawg_63, VA6_63, VC3_64, Vagabond_10, Vanisoa_63, Veracruz_59, Violet_58, VohminGhazi_63, Vorrps_10, Waits_70, WalterMcMickey_57, Wanda_129, Warrior24_72, Watermelon_60, WeiHuaDA_62, Whabigail7_63, Wheeler_59, Whitspit_56, WideWale_63, Wiks_63, Wildflower_10, Wilkins_58, WilliamBoone_132, Winget_10, Wintermute_76, Wogge42_10, Wolpertinger_59, WorldCup_61, WunderPhul_64, XianYue_60, Xiaokay_124, Y10_73, Y2_73, YasnayaPolyana_75, YassJohnny_22, Yecey3_64, Yeet_122,

Yogi_51, Yokurt_63, YoyoKar_9, YungJamal_11, Yvonnetastic_141, Zaka_64, Zakhe101_11, Zarafa_60, Zebo_9, Zeeculate_57, Zelink_125, Zephyr_61, Zeuska_59, Zimmer_59, Zolita_59, Zulu_65, xkcd_22,

Summary by start number:

Start 20:
• Found in 2 of 1080 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Maverick_58 (A4),

Start 22:
• Found in 13 of 1080 (1.2%) of genes in pham
• Manual Annotations of this start: 2 of 1014
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Alsfro_64 (A1), Froghopper_56 (A1),

Start 23:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: STLscum_62 (A1),

Start 27:
• Found in 31 of 1080 (2.9%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 3.2% of time when present
• Phage (with cluster) where this start called: Jerm_64 (A2),

Start 30:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KashFlow_124 (J), MiaZeal_127 (J), Squint_125 (J),

Start 32:
• Found in 216 of 1080 (20.0%) of genes in pham
• Manual Annotations of this start: 203 of 1014
• Called 98.6% of time when present
• Phage (with cluster) where this start called: A6_53 (A1), AFIS_56 (A1), Abbyshoes_62 (A1), Abrogate_590 (A1), Acme_61 (A1), Adahisdi_60 (A1), Aeneas_63 (A1), Agaliana_55 (A1), Ajay_60 (A1), Aldrich_58 (A1), Altman_62 (A1), Alvin_58 (A1), Applejack_56 (A1), Arlo_58 (A1), Ashballer_62 (A1), Atkinbua_63 (A1), BK1_53 (A1), BPBiebs31_61 (A1), BaconJack_65 (A1), Barriga_61 (A1), BarrowTuph_60 (A1), Beatrix_59 (A1), BeesKnees_62 (A1), Bethlehem_59 (A1), Bexan_57 (A1), Big3_58 (A1), BigMau_62 (A1), BigPaolini_58 (A1), Bigchungi_60 (A1), Bigfoot_53 (A1), BillKnuckles_57 (A1), Bircsak_59 (A1), Blackflame_56 (A1), Blesser_57 (A1), BluSpix_57 (A1), Blue_58 (A1), Bob3_59 (A1), Bones_59 (A1), Briton15_64 (A1), Bruns_58 (A1), Burton_60 (A1), Buttons_57 (A1), Bxb1_54 (A1), Carlyle_59 (A1), CatBus_57 (A1), Chanagan_55 (A1), Ciao_58 (A1), ConceptII_62 (A1), Corvo_60 (A1), Crispicous1_57 (A1), Cueylyss_60 (A1), DD5_58 (A1),

Dexes_59 (A1), DirtDevil_59 (A1), Doom_58 (A1), DrFeelGood_57 (A1), DreamCatcher_63 (A1), Dreamboat_60 (A1), Dulcie_61 (A1), Dussy_61 (A1), Dynamix_61 (A1), Edtherson_59 (A1), EnzoK_59 (A1), Espresso_58 (A1), Euphoria_57 (A1), Eyeball_61 (A1), Fajezeel_60 (A1), Fascinus_55 (A1), Fenn_62 (A1), Forsytheast_58 (A1), Francis47_58 (A1), Fushigi_56 (A1), GMonster_57 (A1), GageAP_60 (A1), Gandalf20_62 (A1), Gompeii16_59 (A1), Graduation_63 (A1), GrecoEtereo_59 (A1), Greg_60 (A1), GroundGoblin_58 (A1), Gwendoluna_62 (A1), Gyzlar_55 (A1), HanShotFirst_61 (A1), HarryOW_59 (A1), Hermia_59 (A1), HermioneGrange_61 (A1), Homines_51 (A1), Hope4ever_61 (A1), Ichabod_63 (A1), Inyanga_55 (A1), Iqorha_55 (A1), JC27_62 (A1), JackSparrow_62 (A1), Jasper_60 (A1), Jerm2_61 (A1), Jorgensen_60 (A1), JuliaChild_61 (A1), Kanely_61 (A1), Kenmech_64 (A1), KikiBouba_59 (A1), Killigrew_59 (A1), Kugel_59 (A1), Kykar_60 (A1), Lamina13_63 (A1), Lesedi_55 (A1), Levia_57 (A1), Licorice_61 (A1), Lockley_57 (A1), Lopton_59 (A1), LunarLander_61 (A1), MPlant7149_59 (A1), Magnar_57 (A1), Magnito_59 (A1), Makemake_61 (A1), Marcell_56 (A1), Marchy_54 (A1), Marco3_63 (A1), Marge_58 (A1), Maroc7_57 (A1), Marsha_59 (A1), MaryBeth_58 (A1), McGuire_61 (A1), McSinger_59 (A1), MetalQZJ_57 (A1), Michley_62 (A1), Mkhuseli_57 (A1), Molly_62 (A1), Moose_58 (A1), MrGordo_59 (A1), Mryolo_56 (A1), Mule_58 (A1), Museum_61 (A1), NEHalo_57 (A1), Naira_62 (A1), Nerujay_62 (A1), Nhonho_58 (A1), Niza_61 (A1), Norz_61 (A1), Noxious_59 (A1), Ohno789_60 (A1), Oogway_59 (A1), PSullivan_59 (A1), PacerPaul_59 (A1), Papez_62 (A1), Paphu_59 (A1), Paraselene_57 (A1), Pari_62 (A1), Parliament_61 (A1), PascalRango_59 (A1), PattyP_62 (A1), Payneful_59 (A1), Pelly_60 (A1), Perseus_60 (A1), Peterson_63 (A1), Petp2012_61 (A1), Petruchio_58 (A1), PherrisBueller_58 (A1), PhineBark_59 (A1), Phlippers_57 (A1), PhrostyMug_60 (A1), PinkPlastic_60 (A1), Pinto_60 (A1), Pippin_60 (A1), Pita2_62 (A1), PowerRanger_57 (A1), ProMouse_61 (A1), Puppet_60 (A1), Raid_59 (A1), Rajelicia_61 (A1), RidgeCB_59 (A1), Ringer_59 (A1), Rohr_61 (A1), Rubeus_59 (A1), Rufus_61 (A1), Ruotula_62 (A1), Sagefire_62 (A1), Sandaddy_56 (A1), Sanya_58 (A1), SarFire_56 (A1), Scowl_60 (A1), Seabiscuit_63 (A1), Seanderson_59 (A1), ShortQueendom_55 (A1), Sibs6_62 (A1), SkiPole_64 (A1), Smairt_63 (A1), Snazzy_58 (A1), Solon_57 (A1), Sorpresa_57 (A1), SpikeBT_58 (A1), Squee_60 (A1), StewieG_55 (A1), StrongArm_58 (A1), Sumter_55 (A1), SwissCheese_60 (A1), Switzer_60 (A1), Swole_61 (A1), Target_61 (A1), Tasp14_63 (A1), TheloniousMonk_60 (A1), Thor_56 (A1), Tote_56 (A1), Traft412_62 (A1), Tripl3t_62 (A1), Trouble_61 (A1), TwoPeat_62 (A1), U2_58 (A1), Watermelon_60 (A1), Wheeler_59 (A1), Whitspit_56 (A1), Zeeculate_57 (A1), Zephyr_61 (A1), Zeuska_59 (A1),

Start 34:
• Found in 12 of 1080 (1.1%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 33.3% of time when present
• Phage (with cluster) where this start called: D29_59 (A2), DBQu4n_63 (A2), Pomar16_62 (A2), Travvers_62 (A2),

Start 35:
• Found in 72 of 1080 (6.7%) of genes in pham
• Manual Annotations of this start: 25 of 1014
• Called 36.1% of time when present
• Phage (with cluster) where this start called: Anubis_67 (A3), Bigflo_64 (A3), Croquant_64 (A3), DaHudson_63 (A3), Grub_64 (A3), Grum1_64 (A3), JenCasNa_65 (A3), Jobu08_62 (A3), KADY_64 (A3), LBerry_65 (A3), Lilith_64 (A3), Lowa_64 (A3), MadMarie_64 (A3), Malinsilva_66 (A3), Marie_62 (A3), Methuselah_59 (A3),

Microwolf_62 (A3), P28Green_65 (A3), Pembroke_64 (A3), PotatoSplit_65 (A3), Rummer_63 (A3), Sabia_64 (A3), SoYo_64 (A3), Stagni_64 (A3), Taurus_65 (A3), Tiffany_63 (A3),

Start 38:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Warrior24_72 (A15),

Start 40:
• Found in 62 of 1080 (5.7%) of genes in pham
• Manual Annotations of this start: 43 of 1014
• Called 77.4% of time when present
• Phage (with cluster) where this start called: Aneem_62 (A11), Ariel_128 (J), Bobby_122 (J), Bowtie_62 (A11), Bud_60 (A11), Chupacabra_57 (A10), Courthouse_123 (J), DontArgue_56 (A10), Drake94_57 (A10), DustyMartin_61 (A10), Eaglepride_60 (A10), Edison31_56 (A10), Et2Brutus_60 (A11), Fibonacci_61 (A11), Flaverint_62 (A11), Goose_59 (A10), Hutc2_60 (A11), Insomnia_62 (A11), Jabith_62 (A11), Joselito_62 (A11), Jsquared_62 (A2), Kimona_56 (A19), KittenMittens_56 (A10), Kristoff_58 (A10), L5_59 (A2), LittleE_131 (J), Lucivia_62 (A11), Lucky2013_123 (J), Marleymoo_115 (J), Munch_61 (A11), OKCentral2016_58 (A10), Omega_138 (J), PeaceMeal1_57 (A10), Poompha_57 (A10), Porcelain_126 (J), Rebeuca_59 (A10), RhynO_59 (A10), Rowdy_61 (A10), Severus_57 (A10), Shapes_61 (A10), Superphikiman_125 (J), Timothy_61 (A11), TinyTimmy_61 (A11), Topanga_56 (A10), Trike_56 (A10), Twister_57 (A10), WalterMcMickey_57 (A10), Wolpertinger_59 (A11),

Start 41:
• Found in 243 of 1080 (22.5%) of genes in pham
• Manual Annotations of this start: 207 of 1014
• Called 88.5% of time when present
• Phage (with cluster) where this start called: ACFishhook_62 (A3), AbbysRanger_56 (A4), Abdiel_58 (A4), Achebe_55 (A4), Aglet_65 (A3), AgronaGT15_63 (A3), Albee_58 (A4), Alberto7_59 (A4), Annyong_58 (A4), Arturo_56 (A4), AugsMagnumOpus_67 (A3), AvatarAhPeg_55 (A4), Avle17_58 (A4), Baby16_58 (A4), Backyardigan_54 (A4), Badger_55 (A4), BangNhom_58 (A4), Bartimeaus_58 (A4), Beauxregard13_64 (A3), BellusTerra_59 (A4), Blackmoor_58 (A4), Bombshell_58 (A4), BreSam8_64 (A3), Broseidon_58 (A4), Bruiser_57 (A4), BubbleTrouble_57 (A4), Buckaroo_56 (A4), Bumblebee11_55 (A4), Burger_56 (A4), BuzzBuzz_61 (A3), Bxz2_59 (A3), Caelakin_58 (A4), Calvinny_64 (A3), Camperdownii_56 (A4), CentreCat_58 (A4), Cerulean_59 (A4), ChampagnePapi_60 (A4), Chaph_58 (A4), Cici_56 (A4), Cindaradix_53 (A4), Cintron_57 (A4), Citius_58 (A4), Clarenza_57 (A4), ClownCar_64 (A3), Cocoaberry_58 (A4), Colbster_63 (A3), Commander_58 (A4), Connomayer_58 (A4), Cullens_64 (A3), Daishi_63 (A3), Datway_56 (A4), Deano_57 (A4), Dhanush_58 (A4), Dieselweasel_65 (A3), DirtyDunning_57 (A4), Druantia_58 (A4), Eagle_58 (A4), Eapen_58 (A4), EpicPhail_65 (A3), Eris_57 (A4), Eros_58 (A4), Eurydice_59 (A4), Farber_64 (A3), Fernando_64 (A3), Florean_58 (A4), Flux_58 (A4), Funston_57 (A4), Gadost_58 (A4), Gemma_63 (A3), GingkoMaracino_64 (A3), Grif_64 (A3), Groupthink_65 (A3), GtownJaz_64 (A3), Gwennie_64 (A3), HamSlice_56 (A4), Happiness_57 (A4), HashRod_65 (A3), HaveUMetTed_65 (A3), Heliosoles_63 (A3), Hercules11_64 (A3), Holli_57 (A4), Houdini22_58 (A4), Huxley_57 (A4), ICleared_58 (A4), Iceman_58

(A4), Iracema64_59 (A4), JHC117_62 (A3), Jaykayelowell_56 (A4), JeppNRM_65 (A3), JetBlade_58 (A4), JoongJeon_57 (A4), Journey13_56 (A2), Junimo_56 (A4), KFPoly_57 (A4), Kalb97_65 (A3), Kalnoky_65 (A3), Kampy_57 (A4), Katalie136_56 (A4), KekoraPapaka_57 (A4), Kingmustik0402_58 (A4), Koan_56 (A4), Koreni_57 (A4), Kratark_57 (A4), Kremtemulon_58 (A4), Kyee_58 (A4), LHTSCC_60 (A4), LappelDuVide_58 (A4), LarryKay_64 (A3), Lemur_58 (A4), LeoAvram_57 (A4), LittleB_58 (A4), LittleGuy_58 (A4), LochMonster_59 (A4), Lorenzo_58 (A4), Louie6_63 (A3), LugYA_67 (A3), Lunsford_59 (A4), Mainiac_64 (A3), Manu_64 (A3), MarQuardt_64 (A3), Marius_65 (A3), Maxo_59 (A4), Mayonnaise_57 (A4), Mazhar510_58 (A4), Medusa_58 (A4), MeeZee_58 (A4), Melvin_60 (A4), Millski_57 (A4), Miramae_55 (A4), Misomonster_65 (A3), MoneyMay_63 (A3), Montavir_62 (A3), Morpher26_56 (A4), Morrow_59 (A4), MuchMore_67 (A3), Mundrea_56 (A4), Nebs_59 (A4), Nemo27_58 (A4), Noelle_57 (A4), NorthStar_57 (A4), Northrop_57 (A4), NotAPhaseMom_58 (A4), Nyxis_58 (A4), OKaNui_58 (A4), Obama12_59 (A4), Ohfah_59 (A4), OlanP_63 (A3), Ollie_64 (A3), PGHhamlin_66 (A3), Palestino_57 (A4), Pawn_64 (A3), Peaches_57 (A4), Penny1_65 (A3), Perplexer_56 (A4), PeterPeter_58 (A4), PetiteSangsue_56 (A4), Phacado_58 (A4), Phelipe_59 (A4), Phighter1804_58 (A4), PhishRPhriends_62 (A3), Phoebe_65 (A3), Phontbonne_58 (A4), Phoxy_64 (A3), Phranny_65 (A3), Pipcraft_56 (A4), Polymorphads_59 (A4), Pumbaa_58 (A4), PurpleHaze_64 (A3), Reba_64 (A3), Relief_57 (A4), RockieBear_58 (A4), Rocksand_57 (A4), Romney_57 (A4), Roosevelt_57 (A4), Rosa24_56 (A4), Ruin_58 (A4), Sabertooth_58 (A4), Sabinator_63 (A3), Scamp_58 (A4), SenorClean_58 (A4), Shaka_57 (A4), SheldonCooper_59 (A4), Shygu2_56 (A4), Skadoosh_58 (A4), Skipitt_57 (A4), Snickers_64 (A3), SoilDragon_64 (A3), Soshari_66 (A3), Sparxx_59 (A4), Spike509_64 (A3), Spino_57 (A4), Stasia_56 (A4), SteMason_57 (A4), StepMih_63 (A3), Stink_55 (A4), Sultana_58 (A4), Taquarus_58 (A4), Thanksgivukkah_57 (A4), TinaFeyge_57 (A4), TinyPebbles_63 (A3), Tinybot_57 (A4), TiroTheta9_58 (A4), TroyPia_59 (A4), TygerBlood_58 (A4), Ulysses_57 (A4), Vix_62 (A3), Wander_58 (A4), Watson_63 (A3), Wilbur_58 (A4), Wile_56 (A4), Wizard007_58 (A4), Wooldri_66 (A3), Xena_55 (A4), YoSam321_58 (A4), Zetzy_63 (A3),

Start 42:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_108 (DP),

Start 43:
• Found in 99 of 1080 (9.2%) of genes in pham
• Manual Annotations of this start: 14 of 1014
• Called 15.2% of time when present
• Phage (with cluster) where this start called: Boohoo_70 (A15), Cuco_58 (A5), DekHockey33_71 (A15), Elle_65 (A15), HINdeR_55 (A7), KatherineG_70 (A15), Looper_69 (A15), Phlei_52 (A13), Pukovnik_60 (A2), Ravana_71 (A15), Rosalind_68 (A15), Soups_70 (A15), SweetiePie_62 (A2), Turbido_63 (A2), Waits_70 (A15),

Start 44:
• Found in 49 of 1080 (4.5%) of genes in pham
• Manual Annotations of this start: 37 of 1014
• Called 98.0% of time when present
• Phage (with cluster) where this start called: B1_54 (A3), BabyJohn_57 (A3), BabyRay_61 (A3), BlueBird_63 (A3), Bugatti_63 (A3), Cat_57 (A3), Caviar_60 (A3),

Chiqui_57 (A3), Clammy_63 (A3), DropBear_61 (A3), EtoileNova_60 (A3), Fred313_60 (A3), Giroux_63 (A3), Goose1D_54 (A3), Goose1X_60 (A3), Heathen_61 (A3), HelDan_61 (A3), Hookmount_60 (A3), Idleandcovert_61 (A3), Isca_60 (A3), JF2_59 (A3), JF4_59 (A3), Kachowdy_61 (A3), Lambert1_60 (A3), MA5_61 (A3), MK4_61 (A3), Marchesa_60 (A3), Margo_60 (A3), Noella_60 (A3), Norbert_58 (A3), Panamaxus_58 (A3), Phantastic_62 (A3), Pistachio_62 (A3), Pocahontas_60 (A3), Popcicle_60 (A3), Puppy_62 (A3), QuinnKiro_59 (A3), ResDef_60 (A3), Rockstar_59 (A3), Roimos_60 (A3), SaturnRing_61 (A3), Scout_61 (A3), Shep_60 (A3), TNguyen7_62 (A3), Texage_59 (A3), Todacoro_60 (A3), Veracruz_59 (A3), Zarafa_60 (A3),

Start 45:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ohgeesy_65 (CZ),

Start 46:
• Found in 21 of 1080 (1.9%) of genes in pham
• Manual Annotations of this start: 19 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 244_23 (E), Bask21_21 (E), BigBubba_22 (E), Bruin_21 (E), BugsBunny_19 (E), Emmina_22 (E), Harella_20 (E), Hopey_23 (E), HufflyPuff_20 (E), Livelaughbron_21 (E), Manda_22 (E), Murica_20 (E), Nala_21 (E), Phaux_20 (E), Policronamos_21 (E), Pumpkin_23 (E), Stank_24 (E), Teaspoon_22 (E), Tuco_22 (E), YassJohnny_22 (E), xkcd_22 (E),

Start 47:
• Found in 214 of 1080 (19.8%) of genes in pham
• Manual Annotations of this start: 170 of 1014
• Called 83.2% of time when present
• Phage (with cluster) where this start called: 20ES_65 (A2), 40AC_62 (A17), AN3_65 (A2), AN9_64 (A2), ANI8_64 (A2), AbbyPaige_64 (A2), Agape74_64 (A2), Aliter_64 (A9), Alma_62 (A9), AnnaL29_63 (A2), Anselm_63 (A2), ArcherNM_56 (A2), Arissanae_62 (A9), Ayanochan_61 (A9), BABullseye_56 (A6), BabyBack_60 (A2), Bactobuster_60 (A2), Baehexic_61 (A2), Beemo_64 (A9), Bellris_63 (A9), BengiVuitton_63 (A2), BennyP_64 (A6), Benvolio_59 (A2), BiancaTri92_62 (A2), Blinn1_66 (A6), BobSwaget_57 (A2), BogosyJay_62 (A9), Bugsy_64 (A2), C3_58 (A2), CRB1_65 (A2), Candra_64 (A6), Caraxes_61 (A2), Celestialunch_61 (A9), Centaur_63 (A2), Changeling_61 (A2), Chargerpower_60 (A22), Charm_61 (A9), ChipMunk_64 (A2), Colin_61 (A2), Conquerage_62 (A9), Cookiedough_63 (A6), Crucio_62 (A2), DaVinci_61 (A6), Dalmatian_63 (A2), Darrell_65 (A9), DarthPhader_59 (A12), DeerParkTS_59 (A2), Deloris_63 (A2), Dignity_64 (A2), Dorothea_63 (A6), Drake55_64 (A2), DreamTeam1_61 (A9), DudeLittle_61 (A2), EZMoney23_59 (A2), Echild_62 (A2), EdogawaKiddo_63 (A9), Eidsmoe_62 (A9), Elephantoon_62 (A9), EmyBug_61 (A9), Equemioh13_62 (A2), EricB_62 (A6), EvilGenius_63 (A2), Fameo_62 (A2), Fayely_62 (A9), FiringLine_62 (A2), First_0064 (A2), Flare16_62 (A2), ForesterFrank_59 (A2), Gail_63 (A14), Garak_65 (A6), Georgie2_63 (A2), Gladiator_61 (A6), Gratitude_62 (A2), GreedyLawyer_61 (A6), Gruunaga_64 (A6), Hanray_64 (A9), HarryHoudini_63 (A2), Heffalump_61 (A2), Helmet_66 (A6), Hexamo_64 (A6), HippoHollow_62 (A2), Holex_64 (A9), HortumSL17_64 (A9), Imbriano_65 (A6), Indra_67 (A6), IronMan_61 (A2), Iwokeuplikedis_64 (A2), Jaan_62 (A2), Jeffabunny_64 (A6), JewelBug_63 (A6),

Jiawan_64 (A9), Jordennis_62 (A6), JoshKayV_64 (A2), Kalpine_60 (A2), Kazan_64 (A6), Keziacharles14_63 (A9), KingCyrus_63 (A2), Kinmap_59 (A21), Kipper29_63 (A6), Klodlith_61 (A9), LadyBird_67 (A2), Landor_62 (A2), Larenn_60 (A2), Leogania_62 (A2), Leviathan_64 (A2), LilTurb_63 (A2), Lilleskat_63 (A9), LionsBait_62 (A2), Lokk_58 (A2), LoneWolf_64 (A9), Luchador_64 (A14), Malec_61 (A2), Maminiaina_62 (A9), MegTheThird_61 (A9), MiculUcigas_62 (A2), Miko_58 (A2), Myxus_63 (A9), NaSiaTalie_62 (A2), Neeharika16_62 (A6), Newrala_63 (A6), NicoleTera_60 (A2), Odin_61 (A2), Onglai_63 (A9), Ph8s_63 (A2), Phaded_61 (A2), Phaeder_63 (A9), Phonnegut_64 (A9), Piro94_62 (A2), Pmask_62 (A6), Polyphemus_65 (A6), Power_61 (A2), Priamo_65 (A6), Priya_62 (A9), Prudy_60 (A2), QueenB2_61 (A2), QueenBeesly_62 (A2), Rachaly_60 (A2), Rahalelujah_63 (A9), RedRock_63 (A2), Refuge_59 (A12), Retro23_63 (A2), Rifter_64 (A6), RyeScarlet_64 (A9), Sachima_63 (A9), Scherzo_64 (A9), SemperFi_63 (A2), SheaKeira_60 (A9), Sknot_62 (A2), Smeagan_65 (A2), SnapTap_62 (A2), SororFago_62 (A14), Spouty_62 (A9), Steamy_58 (A12), Sunhee_64 (A14), Superchunk_61 (A2), TarsusIV_59 (A2), Temprado_65 (A6), Terrific_63 (A2), Toaka_64 (A9), ToneTone_61 (A6), Tristan_60 (A2), Trixie_60 (A2), Trooper_63 (A2), Tubs_63 (A9), Ugenie5_60 (A9), Updawg_63 (A2), VA6_63 (A2), VC3_64 (A2), Vanisoa_63 (A9), VohminGhazi_63 (A6), WeiHuaDA_62 (A2), Whabigail7_63 (A2), WideWale_63 (A2), WorldCup_61 (A9), XianYue_60 (A2), Yecey3_64 (A9), Yokurt_63 (A6), Zimmer_59 (A12),

Start 48:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Herbertwm_59 (A2),

Start 49:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_88 (X), Nebkiss_87 (X), Stellammi_95 (UNK),

Start 50:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PP_61 (A7),

Start 51:
• Found in 52 of 1080 (4.8%) of genes in pham
• Manual Annotations of this start: 20 of 1014
• Called 40.4% of time when present
• Phage (with cluster) where this start called: Artemis2UCLA_64 (A6), BlessJoy_64 (A6), Blue7_65 (A6), Chartreuse_62 (A6), CloudWang3_65 (A6), DelvinSonDorr_60 (A6), Hammer_64 (A6), Hoot_58 (A6), Isiphiwo_61 (A6), Koko_66 (A6), Lilbunny_63 (A6), McFly_63 (A6), Roksolana_65 (A6), SmellyB_63 (A6), SuperAwesome_63 (A6), SuperCallie99_60 (A6), Tucker_64 (A6), Wiks_63 (A6), WunderPhul_64 (A6), Zaka_64 (A6), Zulu_65 (A6),

Start 52:

• Found in 58 of 1080 (5.4%) of genes in pham
• Manual Annotations of this start: 35 of 1014
• Called 67.2% of time when present
• Phage (with cluster) where this start called: BAKA_130 (J), Bagrid_130 (J), Beem_132 (J), Bombitas_118 (J), Cheetobro_76 (K4), Constella_120 (J), Dallas_131 (J), DmpstrDiver_130 (J), Dove_116 (J), Duke13_125 (J), Ejimix_124 (J), EricMillard_122 (J), Fionnbharth_76 (K4), Halley_132 (J), Hidrated_113 (J), HokkenD_120 (J), Hughesyang_130 (J), JuicyJay_127 (J), Kalah2_121 (J), Klein_127 (J), Lebo14_75 (K4), Minerva_129 (J), Mitti_76 (K4), NihilNomen_132 (J), Nolwazi_78 (K4), Odette_132 (J), OmniCritical_76 (K4), Optimus_121 (J), Phoebus_131 (J), Pound_119 (J), Redno2_122 (J), Schatzie_126 (J), Thibault_112 (J), ThreeRngTarjay_126 (J), Wanda_129 (J), Xiaokay_124 (J), YasnayaPolyana_75 (K4), Yeet_122 (J), Zelink_125 (J),

Start 53:
• Found in 46 of 1080 (4.3%) of genes in pham
• Manual Annotations of this start: 40 of 1014
• Called 89.1% of time when present
• Phage (with cluster) where this start called: Airmid_59 (A5), Anglerfish_60 (A1), Arcanine_62 (A1), Archetta_58 (A5), Benedict_62 (A5), Bluefalcon_56 (A5), Chadwick_61 (A5), ChristmasHams_53 (A1), Coog_56 (A5), Discoknowium_57 (A5), Dublin_58 (A5), ElTiger69_61 (A5), George_55 (A5), Ghoulboy_60 (A5), Hami1_55 (A1), ILeeKay_62 (A1), Jabiru_60 (A5), KBG_60 (A1), LittleCherry_57 (A5), Manatee_60 (A1), MarysWell_58 (A5), Micasa_58 (A5), Midas2_56 (A5), Milcery_57 (A5), Monet_63 (A1), Naca_59 (A5), PetterN_64 (A5), Rhynn_58 (A1), Rutherferd_62 (A1), Scorpia_63 (A5), Slagathor_62 (A1), Swirley_59 (A5), SydNat_60 (A5), Theia_57 (A5), Topgun_58 (A1), Treddle_61 (A1), Twigg_57 (A5), UnionJack_60 (A5), Violet_58 (A1), Wilkins_58 (A1), Zolita_59 (A5),

Start 56:
• Found in 31 of 1080 (2.9%) of genes in pham
• Manual Annotations of this start: 27 of 1014
• Called 93.5% of time when present
• Phage (with cluster) where this start called: AgentM_58 (A5), Aragog_58 (A5), Astro_64 (A8), Bonamassa_56 (A5), CactusRose_58 (A1), Caitlin_63 (A8), Conspiracy_59 (A5), Danforth_64 (A8), Dixon_63 (A8), Expelliarmus_61 (A8), Florence1_54 (A5), Florence4_56 (A5), ForGetIt_59 (A5), Groundhog_63 (A8), HuhtaEnerson15_57 (A5), Jovo_59 (A5), Lev2_59 (A5), Lucyedi_64 (A16), NearlyHeadless_64 (A8), Phillis_61 (A8), Phlorence_57 (A5), PickleBack_59 (A5), Prinashe11_56 (A5), Roary_65 (A8), Saintus_59 (A8), Smeadley_64 (A8), Stephig9_63 (A8), Tarynearal_55 (A5), Tiger_58 (A5),

Start 57:
• Found in 7 of 1080 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 1014
• Called 71.4% of time when present
• Phage (with cluster) where this start called: MissDaisy_73 (K4), Patt_72 (K4), RedWattleHog_2 (DX), Reptar3000_73 (K4), Stormageddon_2 (DX),

Start 58:
• Found in 9 of 1080 (0.8%) of genes in pham
• Manual Annotations of this start: 7 of 1014
• Called 77.8% of time when present

• Phage (with cluster) where this start called: KSSJEB_59 (A1), KyMonks1A_62 (A1), LilBib_59 (A1), MilleFeuille_59 (A1), QTRlifeCrisis_59 (A1), Sunshine924_61 (A1), Turj99_57 (A1),

Start 59:
• Found in 1 of 1080 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TPA4_77 (singleton),

Start 60:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_72 (K7),

Start 61:
• Found in 4 of 1080 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acolyte_56 (A2), Jflix2_97 (CF), Madraxi_99 (CF), SFuller_96 (CF),

Start 62:
• Found in 12 of 1080 (1.1%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Bachita_137 (CQ1), ClubL_134 (CQ1), Lozinak_134 (CQ1),

Start 63:
• Found in 2 of 1080 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Jeeves_65 (A14),

Start 65:
• Found in 46 of 1080 (4.3%) of genes in pham
• Manual Annotations of this start: 21 of 1014
• Called 45.7% of time when present
• Phage (with cluster) where this start called: D32_62 (A2), Duplo_63 (A2), EagleEye_65 (A16), Gilberta_62 (A11), Kimba_61 (A11), Koduck_63 (A2), Loser_63 (A2), MaCh_61 (A11), Mabel_61 (A11), MissWhite_60 (A2), Mulciber_60 (A11), Naji_63 (A2), Orange_60 (A11), PainterBoy_64 (A16), Petersenfast_61 (A11), Saskia_62 (A11), Serenity_62 (A2), Sham4_61 (A11), Snape_61 (A11), StarStuff_63 (A2), TipsytheTRex_59 (A2),

Start 67:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adzzy_64 (A2), Che12_63 (A2), GaugeLDP_59 (A2),

Start 69:
• Found in 32 of 1080 (3.0%) of genes in pham
• Manual Annotations of this start: 19 of 1014
• Called 68.8% of time when present
• Phage (with cluster) where this start called: Bobquesha_77 (K4), Boilgate_68 (K8), Chancellor_76 (K4), CurlyFries_104 (CF), DanSyl44_79 (K4), Eponine_78 (K4), JF1_76 (K4), Juliette_78 (K4), Kraw_76 (K4), Malthus_77 (K4), Phrappuccino_127 (AA), Qhanda_78 (K4), RegnumDei_98 (CF), Ruthiejr_77 (K4), SamScheppers_75 (K4), Settecandela_127 (AA), Shagrat_101 (CF), Slarp_76 (K4), Taquito_75 (K4), Wintermute_76 (K4), Y10_73 (K4), Y2_73 (K4),

Start 70:
• Found in 5 of 1080 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 1014
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Anthony_64 (A20), DroogsArmy_56 (A7), FatCactus_59 (A20), Timshel_57 (A7),

Start 73:
• Found in 63 of 1080 (5.8%) of genes in pham
• Manual Annotations of this start: 34 of 1014
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Alatin_50 (CA), Alpacados_50 (CA), AppleCloud_48 (CA), Belenaria_51 (CA), Bonanza_52 (CA), Bradshaw_51 (CA), BrutonGaster_108 (CQ2), Bryce_50 (CA), CosmicSans_51 (CA), Dinger_50 (CA), Erik_51 (CA), Espica_51 (CA), Gollum_51 (CA), Harlequin_50 (CA), Hiro_51 (CA), Jester_50 (CA), Lillie_51 (CA), Naiad_50 (CA), Nancinator_51 (CA), Natosaleda_50 (CA), OneUp_118 (CQ2), Partridge_50 (CA), PhailMary_50 (CA), Phrankenstein_51 (CA), RGL3_45 (CA), Rasputin_51 (CA), RexFury_50 (CA), Rhodalysa_51 (CA), Shuman_51 (CA), StCroix_50 (CA), Swann_51 (CA), TWAMP_51 (CA), Takoda_51 (CA), UhSalsa_51 (CA), Yogi_51 (CA),

Start 74:
• Found in 4 of 1080 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 25.0% of time when present
• Phage (with cluster) where this start called: PhinkBoden_133 (CQ1),

Start 75:
• Found in 54 of 1080 (5.0%) of genes in pham
• Manual Annotations of this start: 31 of 1014
• Called 61.1% of time when present
• Phage (with cluster) where this start called: Alkhayr_10 (O), Ashwin_11 (O), Blessica_9 (O), Bora_10 (O), Catdawg_9 (O), Corndog_11 (O), Familton_10 (O), Firecracker_10 (O), FoulBall_9 (O), Idergollasper_9 (O), Imara_10 (O), JangDynasty_9 (O), KingPhillip3_9 (O), Krili_10 (O), MadKillah_10 (O), Mori_10 (O), Murai_10 (O), NiebruSaylor_10 (O), Ryadel_12 (O), SchoolBus_9 (O), Schuy_10 (O), Shida_10 (O), Smooch_11 (O), TelAviv_9 (O), Vagabond_10 (O), Vorrps_10 (O), Wildflower_10 (O), Winget_10 (O), Wogge42_10 (O), YoyoKar_9 (O), YungJamal_11 (O), Zakhe101_11 (O), Zebo_9 (O),

Start 76:

• Found in 15 of 1080 (1.4%) of genes in pham
• Manual Annotations of this start: 11 of 1014
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Abscondus_133 (CQ1), Aphelion_133 (CQ1), Cardigan_144 (DD), Cucurbita_135 (CQ1), Dusty_131 (CQ1), Engineer_136 (CQ1), Geeche_132 (CQ1), JonJames_144 (DD), Miskis_129 (CQ1), Smoothie_135 (CQ1), Toniann_134 (CQ1), Yvonnetastic_141 (DD),

Start 77:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyCatcher_63 (A7), Sheen_60 (A7), Toro_61 (A7),

Start 78:
• Found in 16 of 1080 (1.5%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Culver_133 (CQ1), Norvs_132 (CQ1), WilliamBoone_132 (CQ1),

Start 79:
• Found in 1 of 1080 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1014
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Smeagol_62 (A1),

Start 81:
• Found in 3 of 1080 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1014
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Anon_69 (A15), Oofda_71 (A15),

Start 85:
• Found in 10 of 1080 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: REQ2_71 (singleton),

Start 87:
• Found in 111 of 1080 (10.3%) of genes in pham
• Manual Annotations of this start: 3 of 1014
• Called 2.7% of time when present
• Phage (with cluster) where this start called: Bachome_63 (A11), Kerberos_63 (A2), Tomathan_63 (A2),

Summary by clusters:

There are 39 clusters represented in this pham: singleton, DD, K7, DX, K4, K8, DP, A15, A14, A17, A16, A11, A10, A13, A12, A19, A1, A3, A2, A5, A4, A7, A6, A9, A8, CQ1, AA, E, CA, J, CF, O, CZ, CQ2, X, UNK, A20, A21, A22,

Info for manual annotations of cluster A1:
•Start number 22 was manually annotated 2 times for cluster A1.
•Start number 23 was manually annotated 1 time for cluster A1.
•Start number 32 was manually annotated 203 times for cluster A1.
•Start number 53 was manually annotated 14 times for cluster A1.
•Start number 56 was manually annotated 1 time for cluster A1.
•Start number 58 was manually annotated 7 times for cluster A1.
•Start number 79 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:
•Start number 40 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 40 was manually annotated 15 times for cluster A11.
•Start number 65 was manually annotated 10 times for cluster A11.
•Start number 87 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster A12:
•Start number 47 was manually annotated 4 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 47 was manually annotated 4 times for cluster A14.
•Start number 63 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:
•Start number 38 was manually annotated 1 time for cluster A15.
•Start number 43 was manually annotated 9 times for cluster A15.
•Start number 81 was manually annotated 2 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 56 was manually annotated 1 time for cluster A16.
•Start number 65 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A19:
•Start number 40 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 27 was manually annotated 1 time for cluster A2.
•Start number 34 was manually annotated 3 times for cluster A2.
•Start number 40 was manually annotated 2 times for cluster A2.
•Start number 41 was manually annotated 1 time for cluster A2.
•Start number 43 was manually annotated 3 times for cluster A2.
•Start number 47 was manually annotated 89 times for cluster A2.
•Start number 48 was manually annotated 1 time for cluster A2.
•Start number 61 was manually annotated 1 time for cluster A2.
•Start number 65 was manually annotated 9 times for cluster A2.
•Start number 67 was manually annotated 3 times for cluster A2.
•Start number 87 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 70 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 47 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 47 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 35 was manually annotated 25 times for cluster A3.
•Start number 41 was manually annotated 63 times for cluster A3.
•Start number 44 was manually annotated 37 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 20 was manually annotated 1 time for cluster A4.
•Start number 41 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 43 was manually annotated 1 time for cluster A5.
•Start number 53 was manually annotated 26 times for cluster A5.
•Start number 56 was manually annotated 13 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 47 was manually annotated 30 times for cluster A6.
•Start number 51 was manually annotated 20 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 43 was manually annotated 1 time for cluster A7.
•Start number 50 was manually annotated 1 time for cluster A7.
•Start number 70 was manually annotated 2 times for cluster A7.
•Start number 77 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 56 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 47 was manually annotated 41 times for cluster A9.

Info for manual annotations of cluster AA:
•Start number 69 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster CA:
•Start number 73 was manually annotated 32 times for cluster CA.

Info for manual annotations of cluster CF:
•Start number 61 was manually annotated 3 times for cluster CF.
•Start number 69 was manually annotated 3 times for cluster CF.

Info for manual annotations of cluster CQ1:
•Start number 62 was manually annotated 3 times for cluster CQ1.
•Start number 74 was manually annotated 1 time for cluster CQ1.
•Start number 76 was manually annotated 8 times for cluster CQ1.
•Start number 78 was manually annotated 3 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 73 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CZ:
•Start number 45 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster DD:
•Start number 76 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DP:
•Start number 42 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster DX:
•Start number 57 was manually annotated 2 times for cluster DX.

Info for manual annotations of cluster E:
•Start number 46 was manually annotated 19 times for cluster E.

Info for manual annotations of cluster J:
•Start number 30 was manually annotated 3 times for cluster J.
•Start number 40 was manually annotated 8 times for cluster J.
•Start number 52 was manually annotated 29 times for cluster J.

Info for manual annotations of cluster K4:
•Start number 52 was manually annotated 6 times for cluster K4.
•Start number 57 was manually annotated 3 times for cluster K4.
•Start number 69 was manually annotated 13 times for cluster K4.

Info for manual annotations of cluster K7:
•Start number 60 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 69 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster O:
•Start number 75 was manually annotated 31 times for cluster O.

Info for manual annotations of cluster UNK:
•Start number 49 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 49 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 20ES_65 Start: 40275, Stop: 39802, Start Num: 47
Candidate Starts for 20ES_65:
(Start: 47 @40275 has 170 MA's), (98, 40146), (126, 39945),

Gene: 244_23 Start: 13095, Stop: 13610, Start Num: 46
Candidate Starts for 244_23:

(Start: 46 @13095 has 19 MA's), (Start: 75 @13140 has 31 MA's), (119, 13392), (136, 13488),

Gene: 40AC_62 Start: 41010, Stop: 40516, Start Num: 47
Candidate Starts for 40AC_62:
(Start: 47 @41010 has 170 MA's), (98, 40878), (126, 40677), (144, 40590),

Gene: A6_53 Start: 38565, Stop: 38089, Start Num: 32
Candidate Starts for A6_53:
(Start: 32 @38565 has 203 MA's), (146, 38160), (169, 38121),

Gene: ACFishhook_62 Start: 39579, Stop: 39103, Start Num: 41
Candidate Starts for ACFishhook_62:
(Start: 41 @39579 has 207 MA's), (139, 39165), (144, 39147), (156, 39114),

Gene: AFIS_56 Start: 39287, Stop: 38796, Start Num: 32
Candidate Starts for AFIS_56:
(Start: 32 @39287 has 203 MA's), (97, 39173), (128, 38945), (146, 38867), (169, 38828),

Gene: AN3_65 Start: 38990, Stop: 38517, Start Num: 47
Candidate Starts for AN3_65:
(Start: 47 @38990 has 170 MA's), (126, 38660),

Gene: AN9_64 Start: 40015, Stop: 39551, Start Num: 47
Candidate Starts for AN9_64:
(Start: 47 @40015 has 170 MA's), (126, 39700), (134, 39655),

Gene: ANI8_64 Start: 40015, Stop: 39551, Start Num: 47
Candidate Starts for ANI8_64:
(Start: 47 @40015 has 170 MA's), (126, 39700), (134, 39655),

Gene: AbbyPaige_64 Start: 40244, Stop: 39771, Start Num: 47
Candidate Starts for AbbyPaige_64:
(Start: 27 @40268 has 1 MA's), (Start: 43 @40250 has 14 MA's), (Start: 47 @40244 has 170 MA's), (98, 40115), (126, 39914),

Gene: AbbysRanger_56 Start: 38817, Stop: 38347, Start Num: 41
Candidate Starts for AbbysRanger_56:
(36, 38823), (Start: 41 @38817 has 207 MA's), (106, 38628), (151, 38361),

Gene: Abbyshoes_62 Start: 41333, Stop: 40857, Start Num: 32
Candidate Starts for Abbyshoes_62:
(Start: 32 @41333 has 203 MA's), (146, 40928), (169, 40889),

Gene: Abdiel_58 Start: 38979, Stop: 38509, Start Num: 41
Candidate Starts for Abdiel_58:
(Start: 41 @38979 has 207 MA's), (106, 38790),

Gene: Abrogate_590 Start: 42339, Stop: 41845, Start Num: 32
Candidate Starts for Abrogate_590:
(Start: 32 @42339 has 203 MA's), (146, 41934), (169, 41895),

Gene: Abscondus_133 Start: 73681, Stop: 74124, Start Num: 76
Candidate Starts for Abscondus_133:

(Start: 62 @73654 has 3 MA's), (Start: 76 @73681 has 11 MA's), (Start: 78 @73684 has 3 MA's), (128, 74002), (146, 74080),

Gene: Achebe_55 Start: 38800, Stop: 38330, Start Num: 41
Candidate Starts for Achebe_55:
(36, 38806), (Start: 41 @38800 has 207 MA's), (106, 38611), (151, 38344),

Gene: Acme_61 Start: 40894, Stop: 40409, Start Num: 32
Candidate Starts for Acme_61:
(25, 40906), (Start: 32 @40894 has 203 MA's), (85, 40846), (99, 40786), (103, 40768), (125, 40597), (128, 40576), (146, 40498), (169, 40459),

Gene: Acolyte_56 Start: 38910, Stop: 38446, Start Num: 61
Candidate Starts for Acolyte_56:
(9, 39048), (Start: 61 @38910 has 4 MA's), (116, 38655), (126, 38592), (144, 38505),

Gene: Adahisdi_60 Start: 41973, Stop: 41479, Start Num: 32
Candidate Starts for Adahisdi_60:
(Start: 32 @41973 has 203 MA's), (146, 41568), (169, 41529),

Gene: Adzzy_64 Start: 38861, Stop: 38406, Start Num: 67
Candidate Starts for Adzzy_64:
(Start: 67 @38861 has 3 MA's), (126, 38552), (134, 38507),

Gene: Aeneas_63 Start: 42758, Stop: 42216, Start Num: 32
Candidate Starts for Aeneas_63:
(Start: 32 @42758 has 203 MA's), (146, 42353), (169, 42266),

Gene: Agaliana_55 Start: 37546, Stop: 37070, Start Num: 32
Candidate Starts for Agaliana_55:
(19, 37576), (Start: 32 @37546 has 203 MA's), (146, 37141), (169, 37102),

Gene: Agape74_64 Start: 40238, Stop: 39765, Start Num: 47
Candidate Starts for Agape74_64:
(Start: 27 @40262 has 1 MA's), (Start: 43 @40244 has 14 MA's), (Start: 47 @40238 has 170 MA's), (98, 40109), (126, 39908),

Gene: AgentM_58 Start: 39657, Stop: 39199, Start Num: 56
Candidate Starts for AgentM_58:
(Start: 56 @39657 has 27 MA's), (97, 39555), (106, 39495), (111, 39459), (130, 39318), (146, 39243), (157, 39213),

Gene: Aglet_65 Start: 39622, Stop: 39146, Start Num: 41
Candidate Starts for Aglet_65:
(Start: 35 @39628 has 25 MA's), (Start: 41 @39622 has 207 MA's), (Start: 87 @39547 has 3 MA's), (144, 39190), (156, 39157),

Gene: AgronaGT15_63 Start: 39470, Stop: 38994, Start Num: 41
Candidate Starts for AgronaGT15_63:
(Start: 35 @39476 has 25 MA's), (Start: 41 @39470 has 207 MA's), (Start: 87 @39395 has 3 MA's), (144, 39038), (156, 39005),

Gene: Airmid_59 Start: 39805, Stop: 39341, Start Num: 53

Candidate Starts for Airmid_59:
(Start: 43 @39820 has 14 MA's), (Start: 53 @39805 has 40 MA's), (97, 39697), (106, 39637), (130, 39460), (136, 39427), (146, 39385), (157, 39355),

Gene: Ajay_60 Start: 40949, Stop: 40473, Start Num: 32
Candidate Starts for Ajay_60:
(Start: 32 @40949 has 203 MA's), (146, 40544), (169, 40505),

Gene: Alatin_50 Start: 36875, Stop: 36435, Start Num: 73
Candidate Starts for Alatin_50:
(Start: 73 @36875 has 34 MA's), (99, 36773), (122, 36596), (128, 36557), (130, 36554), (131, 36545), (146, 36479),

Gene: Albee_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Albee_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Alberto7_59 Start: 39315, Stop: 38845, Start Num: 41
Candidate Starts for Alberto7_59:
(Start: 41 @39315 has 207 MA's), (106, 39126),

Gene: Aldrich_58 Start: 40433, Stop: 39957, Start Num: 32
Candidate Starts for Aldrich_58:
(Start: 32 @40433 has 203 MA's), (146, 40028), (169, 39989),

Gene: Aliter_64 Start: 39965, Stop: 39501, Start Num: 47
Candidate Starts for Aliter_64:
(Start: 47 @39965 has 170 MA's), (118, 39698), (123, 39671), (126, 39650), (144, 39563),

Gene: Alkhayr_10 Start: 3488, Stop: 2868, Start Num: 75
Candidate Starts for Alkhayr_10:
(Start: 75 @3488 has 31 MA's), (120, 3215), (165, 3026), (168, 3002), (173, 2927),

Gene: Alma_62 Start: 39997, Stop: 39533, Start Num: 47
Candidate Starts for Alma_62:
(Start: 47 @39997 has 170 MA's), (118, 39730), (123, 39703), (126, 39682), (144, 39595),

Gene: Alpacados_50 Start: 36768, Stop: 36328, Start Num: 73
Candidate Starts for Alpacados_50:
(Start: 73 @36768 has 34 MA's), (99, 36666), (122, 36489), (128, 36450), (130, 36447), (131, 36438), (146, 36372),

Gene: Alsfro_64 Start: 40578, Stop: 40075, Start Num: 22
Candidate Starts for Alsfro_64:
(Start: 22 @40578 has 2 MA's), (Start: 58 @40554 has 7 MA's), (97, 40449), (128, 40221), (146, 40143),

Gene: Altman_62 Start: 41055, Stop: 40579, Start Num: 32
Candidate Starts for Altman_62:
(12, 41109), (Start: 32 @41055 has 203 MA's), (146, 40650), (169, 40611),

Gene: Alvin_58 Start: 40262, Stop: 39786, Start Num: 32
Candidate Starts for Alvin_58:

(Start: 32 @40262 has 203 MA's), (128, 39935), (146, 39857), (169, 39818),

Gene: Aminay_72 Start: 47263, Stop: 47727, Start Num: 60
Candidate Starts for Aminay_72:
(Start: 60 @47263 has 1 MA's), (68, 47275), (72, 47287), (Start: 73 @47290 has 34 MA's), (97, 47359), (117, 47521), (118, 47527), (127, 47590), (139, 47653), (144, 47671), (145, 47677), (150, 47698), (163, 47722),

Gene: Aneem_62 Start: 39371, Stop: 38874, Start Num: 40
Candidate Starts for Aneem_62:
(Start: 40 @39371 has 43 MA's), (Start: 65 @39335 has 21 MA's), (Start: 87 @39293 has 3 MA's), (97, 39239), (104, 39200), (117, 39077), (124, 39035), (126, 39023), (162, 38888),

Gene: Anglerfish_60 Start: 41203, Stop: 40730, Start Num: 53
Candidate Starts for Anglerfish_60:
(Start: 53 @41203 has 40 MA's), (146, 40798),

Gene: AnnaL29_63 Start: 40449, Stop: 39985, Start Num: 47
Candidate Starts for AnnaL29_63:
(Start: 47 @40449 has 170 MA's), (118, 40182), (126, 40134),

Gene: Annyong_58 Start: 39023, Stop: 38553, Start Num: 41
Candidate Starts for Annyong_58:
(Start: 41 @39023 has 207 MA's), (106, 38834),

Gene: Anon_69 Start: 39947, Stop: 39528, Start Num: 81
Candidate Starts for Anon_69:
(Start: 38 @40010 has 1 MA's), (Start: 81 @39947 has 2 MA's), (93, 39905), (98, 39863), (112, 39758), (118, 39710), (122, 39686), (135, 39614), (147, 39560), (156, 39542),

Gene: Anselm_63 Start: 40154, Stop: 39681, Start Num: 47
Candidate Starts for Anselm_63:
(Start: 27 @40178 has 1 MA's), (Start: 43 @40160 has 14 MA's), (Start: 47 @40154 has 170 MA's), (98, 40025), (126, 39824),

Gene: Anthony_64 Start: 40512, Stop: 40060, Start Num: 70
Candidate Starts for Anthony_64:
(Start: 70 @40512 has 4 MA's), (Start: 87 @40479 has 3 MA's), (105, 40365), (110, 40338), (124, 40221), (147, 40107), (148, 40104), (156, 40089),

Gene: Anubis_67 Start: 39514, Stop: 39032, Start Num: 35
Candidate Starts for Anubis_67:
(Start: 35 @39514 has 25 MA's), (Start: 41 @39508 has 207 MA's), (Start: 87 @39433 has 3 MA's), (144, 39076), (156, 39043),

Gene: Aphelion_133 Start: 74553, Stop: 74996, Start Num: 76
Candidate Starts for Aphelion_133:
(Start: 62 @74526 has 3 MA's), (Start: 76 @74553 has 11 MA's), (Start: 78 @74556 has 3 MA's), (128, 74874), (146, 74952),

Gene: AppleCloud_48 Start: 36593, Stop: 36153, Start Num: 73
Candidate Starts for AppleCloud_48:

(Start: 73 @36593 has 34 MA's), (99, 36491), (122, 36314), (128, 36275), (130, 36272), (131, 36263), (146, 36197),

Gene: Applejack_56 Start: 38708, Stop: 38214, Start Num: 32
Candidate Starts for Applejack_56:
(Start: 32 @38708 has 203 MA's), (146, 38303), (169, 38264),

Gene: Aragog_58 Start: 39677, Stop: 39219, Start Num: 56
Candidate Starts for Aragog_58:
(Start: 56 @39677 has 27 MA's), (97, 39575), (106, 39515), (111, 39479), (130, 39338), (146, 39263), (157, 39233),

Gene: Arcanine_62 Start: 41927, Stop: 41433, Start Num: 53
Candidate Starts for Arcanine_62:
(Start: 53 @41927 has 40 MA's), (146, 41522), (169, 41483),

Gene: ArcherNM_56 Start: 39476, Stop: 39009, Start Num: 47
Candidate Starts for ArcherNM_56:
(Start: 43 @39482 has 14 MA's), (Start: 47 @39476 has 170 MA's), (118, 39200), (126, 39152), (144, 39065),

Gene: Archetta_58 Start: 40093, Stop: 39629, Start Num: 53
Candidate Starts for Archetta_58:
(Start: 43 @40108 has 14 MA's), (Start: 53 @40093 has 40 MA's), (68, 40075), (97, 39985), (105, 39928), (106, 39925), (130, 39748), (136, 39715), (146, 39673), (157, 39643),

Gene: Ariel_128 Start: 67671, Stop: 68153, Start Num: 40
Candidate Starts for Ariel_128:
(Start: 40 @67671 has 43 MA's), (117, 67965), (122, 67995), (123, 67998), (128, 68034),

Gene: Arissanae_62 Start: 40531, Stop: 40067, Start Num: 47
Candidate Starts for Arissanae_62:
(Start: 47 @40531 has 170 MA's), (123, 40237), (126, 40216),

Gene: Arlo_58 Start: 40325, Stop: 39816, Start Num: 32
Candidate Starts for Arlo_58:
(Start: 32 @40325 has 203 MA's), (97, 40211), (128, 39983), (146, 39905), (169, 39866),

Gene: Artemis2UCLA_64 Start: 38697, Stop: 38197, Start Num: 51
Candidate Starts for Artemis2UCLA_64:
(Start: 47 @38700 has 170 MA's), (Start: 51 @38697 has 20 MA's), (126, 38373),

Gene: Arturo_56 Start: 39090, Stop: 38620, Start Num: 41
Candidate Starts for Arturo_56:
(Start: 41 @39090 has 207 MA's), (106, 38901), (151, 38634),

Gene: Ashballer_62 Start: 41283, Stop: 40810, Start Num: 32
Candidate Starts for Ashballer_62:
(Start: 32 @41283 has 203 MA's), (146, 40878), (169, 40839),

Gene: Ashwin_11 Start: 3811, Stop: 3326, Start Num: 75
Candidate Starts for Ashwin_11:
(Start: 75 @3811 has 31 MA's), (94, 3751), (120, 3538), (121, 3526), (143, 3415),

Gene: Astro_64 Start: 39492, Stop: 39004, Start Num: 56
Candidate Starts for Astro_64:
(Start: 56 @39492 has 27 MA's), (97, 39390), (106, 39330), (130, 39126), (146, 39051),

Gene: Atkinbua_63 Start: 40753, Stop: 40265, Start Num: 32
Candidate Starts for Atkinbua_63:
(Start: 32 @40753 has 203 MA's), (97, 40639), (125, 40432), (128, 40411), (146, 40333), (169, 40294),

Gene: AugsMagnumOpus_67 Start: 39613, Stop: 39137, Start Num: 41
Candidate Starts for AugsMagnumOpus_67:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: AvatarAhPeg_55 Start: 38602, Stop: 38132, Start Num: 41
Candidate Starts for AvatarAhPeg_55:
(19, 38641), (21, 38635), (Start: 41 @38602 has 207 MA's), (106, 38413), (151, 38146),

Gene: Avle17_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Avle17_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Ayanochan_61 Start: 39780, Stop: 39316, Start Num: 47
Candidate Starts for Ayanochan_61:
(Start: 47 @39780 has 170 MA's), (126, 39465),

Gene: B1_54 Start: 37539, Stop: 37081, Start Num: 44
Candidate Starts for B1_54:
(Start: 44 @37539 has 37 MA's), (91, 37461), (92, 37458), (104, 37380), (106, 37359), (131, 37176), (146, 37110), (151, 37092),

Gene: BABullseye_56 Start: 36255, Stop: 35752, Start Num: 47
Candidate Starts for BABullseye_56:
(Start: 47 @36255 has 170 MA's), (Start: 51 @36252 has 20 MA's), (126, 35928),

Gene: BAKA_130 Start: 70647, Stop: 71123, Start Num: 52
Candidate Starts for BAKA_130:
(25, 70602), (Start: 52 @70647 has 35 MA's), (122, 70965), (123, 70968), (128, 71004), (144, 71076), (149, 71097),

Gene: BK1_53 Start: 38565, Stop: 38089, Start Num: 32
Candidate Starts for BK1_53:
(Start: 32 @38565 has 203 MA's), (146, 38160), (169, 38121),

Gene: BPBiebs31_61 Start: 41242, Stop: 40751, Start Num: 32
Candidate Starts for BPBiebs31_61:
(Start: 32 @41242 has 203 MA's), (97, 41128), (125, 40921), (128, 40900), (146, 40822), (169, 40783),

Gene: Baby16_58 Start: 38989, Stop: 38519, Start Num: 41
Candidate Starts for Baby16_58:
(Start: 41 @38989 has 207 MA's), (106, 38800),

Gene: BabyBack_60 Start: 40246, Stop: 39767, Start Num: 47

Candidate Starts for BabyBack_60:
(Start: 27 @40270 has 1 MA's), (Start: 47 @40246 has 170 MA's), (Start: 87 @40186 has 3 MA's), (126, 39916), (136, 39865), (144, 39829),

Gene: BabyJohn_57 Start: 39357, Stop: 38899, Start Num: 44
Candidate Starts for BabyJohn_57:
(Start: 44 @39357 has 37 MA's), (91, 39279), (104, 39198), (106, 39177), (146, 38928), (151, 38910),

Gene: BabyRay_61 Start: 39335, Stop: 38877, Start Num: 44
Candidate Starts for BabyRay_61:
(3, 39545), (5, 39497), (Start: 44 @39335 has 37 MA's), (92, 39254), (104, 39176), (106, 39155), (146, 38906), (151, 38888),

Gene: Bachita_137 Start: 74674, Stop: 75138, Start Num: 62
Candidate Starts for Bachita_137:
(Start: 62 @74674 has 3 MA's), (Start: 76 @74701 has 11 MA's), (Start: 78 @74704 has 3 MA's), (107, 74848), (124, 74995), (144, 75094),

Gene: Bachome_63 Start: 39273, Stop: 38854, Start Num: 87
Candidate Starts for Bachome_63:
(Start: 40 @39351 has 43 MA's), (Start: 65 @39315 has 21 MA's), (Start: 87 @39273 has 3 MA's), (104, 39180), (124, 39015), (126, 39003), (162, 38868),

Gene: Backyardigan_54 Start: 38833, Stop: 38363, Start Num: 41
Candidate Starts for Backyardigan_54:
(36, 38839), (Start: 41 @38833 has 207 MA's), (106, 38644), (151, 38377),

Gene: BaconJack_65 Start: 43677, Stop: 43183, Start Num: 32
Candidate Starts for BaconJack_65:
(Start: 32 @43677 has 203 MA's), (146, 43272), (169, 43233),

Gene: Bactobuster_60 Start: 40544, Stop: 40080, Start Num: 47
Candidate Starts for Bactobuster_60:
(Start: 43 @40550 has 14 MA's), (Start: 47 @40544 has 170 MA's), (126, 40229),

Gene: Badger_55 Start: 38801, Stop: 38331, Start Num: 41
Candidate Starts for Badger_55:
(36, 38807), (Start: 41 @38801 has 207 MA's), (106, 38612), (151, 38345),

Gene: Baehexic_61 Start: 39719, Stop: 39246, Start Num: 47
Candidate Starts for Baehexic_61:
(Start: 43 @39725 has 14 MA's), (Start: 47 @39719 has 170 MA's), (98, 39590), (126, 39389),

Gene: Bagrid_130 Start: 70725, Stop: 71201, Start Num: 52
Candidate Starts for Bagrid_130:
(Start: 52 @70725 has 35 MA's), (122, 71043), (123, 71046), (128, 71082), (144, 71154), (149, 71175),

Gene: BangNhom_58 Start: 39381, Stop: 38911, Start Num: 41
Candidate Starts for BangNhom_58:
(21, 39414), (Start: 41 @39381 has 207 MA's), (106, 39192), (151, 38925),

Gene: Barriga_61 Start: 39467, Stop: 38976, Start Num: 32
Candidate Starts for Barriga_61:

(Start: 32 @39467 has 203 MA's), (97, 39353), (98, 39338), (109, 39272), (146, 39047), (169, 39008),

Gene: BarrowTuph_60 Start: 40380, Stop: 39904, Start Num: 32
Candidate Starts for BarrowTuph_60:
(Start: 32 @40380 has 203 MA's), (146, 39975), (169, 39936),

Gene: Bartimeaus_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Bartimeaus_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Bask21_21 Start: 12000, Stop: 12515, Start Num: 46
Candidate Starts for Bask21_21:
(Start: 46 @12000 has 19 MA's), (Start: 75 @12045 has 31 MA's), (119, 12297), (136, 12393),

Gene: Beatrix_59 Start: 41420, Stop: 40932, Start Num: 32
Candidate Starts for Beatrix_59:
(Start: 32 @41420 has 203 MA's), (97, 41306), (128, 41078), (146, 41000),

Gene: Beauxregard13_64 Start: 39625, Stop: 39149, Start Num: 41
Candidate Starts for Beauxregard13_64:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Beem_132 Start: 72197, Stop: 72676, Start Num: 52
Candidate Starts for Beem_132:
(Start: 52 @72197 has 35 MA's), (112, 72440), (117, 72482), (127, 72539), (133, 72575),

Gene: Beemo_64 Start: 40135, Stop: 39671, Start Num: 47
Candidate Starts for Beemo_64:
(Start: 47 @40135 has 170 MA's), (118, 39868), (123, 39841), (126, 39820), (144, 39733),

Gene: BeesKnees_62 Start: 40320, Stop: 39844, Start Num: 32
Candidate Starts for BeesKnees_62:
(Start: 32 @40320 has 203 MA's), (146, 39915), (169, 39876),

Gene: Belenaria_51 Start: 36741, Stop: 36301, Start Num: 73
Candidate Starts for Belenaria_51:
(Start: 73 @36741 has 34 MA's), (99, 36639), (122, 36462), (128, 36423), (130, 36420), (131, 36411), (146, 36345),

Gene: Bellris_63 Start: 39658, Stop: 39194, Start Num: 47
Candidate Starts for Bellris_63:
(Start: 47 @39658 has 170 MA's), (123, 39364), (126, 39343),

Gene: BellusTerra_59 Start: 38979, Stop: 38509, Start Num: 41
Candidate Starts for BellusTerra_59:
(Start: 41 @38979 has 207 MA's), (106, 38790),

Gene: Benedict_62 Start: 40094, Stop: 39630, Start Num: 53
Candidate Starts for Benedict_62:
(Start: 43 @40109 has 14 MA's), (Start: 53 @40094 has 40 MA's), (97, 39986), (106, 39926), (130, 39749), (136, 39716), (157, 39644),

Gene: BengiVuitton_63 Start: 40246, Stop: 39773, Start Num: 47
Candidate Starts for BengiVuitton_63:
(Start: 47 @40246 has 170 MA's), (126, 39916),

Gene: BennyP_64 Start: 38770, Stop: 38267, Start Num: 47
Candidate Starts for BennyP_64:
(Start: 47 @38770 has 170 MA's), (Start: 51 @38767 has 20 MA's), (126, 38443),

Gene: Benvolio_59 Start: 39261, Stop: 38788, Start Num: 47
Candidate Starts for Benvolio_59:
(Start: 27 @39285 has 1 MA's), (Start: 43 @39267 has 14 MA's), (Start: 47 @39261 has 170 MA's), (98, 39132), (126, 38931),

Gene: Bethlehem_59 Start: 41973, Stop: 41485, Start Num: 32
Candidate Starts for Bethlehem_59:
(Start: 32 @41973 has 203 MA's), (97, 41859), (128, 41631), (146, 41553),

Gene: Bexan_57 Start: 41199, Stop: 40711, Start Num: 32
Candidate Starts for Bexan_57:
(Start: 32 @41199 has 203 MA's), (97, 41085), (128, 40857), (146, 40779),

Gene: BiancaTri92_62 Start: 40305, Stop: 39844, Start Num: 47
Candidate Starts for BiancaTri92_62:
(Start: 47 @40305 has 170 MA's), (126, 39987), (144, 39900),

Gene: Big3_58 Start: 41020, Stop: 40550, Start Num: 32
Candidate Starts for Big3_58:
(Start: 32 @41020 has 203 MA's), (128, 40699), (146, 40621), (169, 40582),

Gene: BigBubba_22 Start: 12584, Stop: 13099, Start Num: 46
Candidate Starts for BigBubba_22:
(Start: 46 @12584 has 19 MA's), (Start: 75 @12629 has 31 MA's), (119, 12881), (136, 12977),

Gene: BigMau_62 Start: 41034, Stop: 40525, Start Num: 32
Candidate Starts for BigMau_62:
(Start: 32 @41034 has 203 MA's), (97, 40920), (128, 40692), (146, 40614), (169, 40575),

Gene: BigPaolini_58 Start: 38863, Stop: 38387, Start Num: 32
Candidate Starts for BigPaolini_58:
(Start: 32 @38863 has 203 MA's), (146, 38458), (169, 38419),

Gene: Bigchungi_60 Start: 40655, Stop: 40161, Start Num: 32
Candidate Starts for Bigchungi_60:
(Start: 32 @40655 has 203 MA's), (146, 40250), (169, 40211),

Gene: Bigflo_64 Start: 39627, Stop: 39145, Start Num: 35
Candidate Starts for Bigflo_64:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Bigfoot_53 Start: 39818, Stop: 39342, Start Num: 32
Candidate Starts for Bigfoot_53:
(Start: 32 @39818 has 203 MA's), (146, 39413), (169, 39374),

Gene: BillKnuckles_57 Start: 41852, Stop: 41361, Start Num: 32
Candidate Starts for BillKnuckles_57:
(Start: 32 @41852 has 203 MA's), (146, 41447), (169, 41408),

Gene: Bircsak_59 Start: 42473, Stop: 41979, Start Num: 32
Candidate Starts for Bircsak_59:
(Start: 32 @42473 has 203 MA's), (146, 42068), (169, 42029),

Gene: Blackflame_56 Start: 40055, Stop: 39567, Start Num: 32
Candidate Starts for Blackflame_56:
(Start: 32 @40055 has 203 MA's), (97, 39941), (128, 39713), (146, 39635),

Gene: Blackmoor_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Blackmoor_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: BlessJoy_64 Start: 39123, Stop: 38623, Start Num: 51
Candidate Starts for BlessJoy_64:
(Start: 47 @39126 has 170 MA's), (Start: 51 @39123 has 20 MA's), (126, 38799),

Gene: Blesser_57 Start: 39846, Stop: 39370, Start Num: 32
Candidate Starts for Blesser_57:
(Start: 32 @39846 has 203 MA's), (146, 39441), (169, 39402),

Gene: Blessica_9 Start: 3100, Stop: 2615, Start Num: 75
Candidate Starts for Blessica_9:
(Start: 75 @3100 has 31 MA's), (94, 3040), (120, 2827), (121, 2815), (158, 2656),

Gene: Blinn1_66 Start: 38784, Stop: 38281, Start Num: 47
Candidate Starts for Blinn1_66:
(Start: 47 @38784 has 170 MA's), (Start: 51 @38781 has 20 MA's), (126, 38457),

Gene: BluSpix_57 Start: 36303, Stop: 35836, Start Num: 32
Candidate Starts for BluSpix_57:
(Start: 32 @36303 has 203 MA's), (85, 36255), (99, 36195), (103, 36177), (125, 36006), (128, 35985), (146, 35907), (169, 35868),

Gene: Blue_58 Start: 40895, Stop: 40419, Start Num: 32
Candidate Starts for Blue_58:
(Start: 32 @40895 has 203 MA's), (146, 40490), (169, 40451),

Gene: Blue7_65 Start: 38791, Stop: 38291, Start Num: 51
Candidate Starts for Blue7_65:
(Start: 47 @38794 has 170 MA's), (Start: 51 @38791 has 20 MA's), (126, 38467),

Gene: BlueBird_63 Start: 39379, Stop: 38921, Start Num: 44
Candidate Starts for BlueBird_63:
(5, 39541), (8, 39502), (Start: 44 @39379 has 37 MA's), (91, 39301), (92, 39298), (106, 39199), (146, 38950), (151, 38932),

Gene: Bluefalcon_56 Start: 40113, Stop: 39649, Start Num: 53
Candidate Starts for Bluefalcon_56:

(Start: 43 @40128 has 14 MA's), (Start: 53 @40113 has 40 MA's), (68, 40095), (97, 40005), (105, 39948), (106, 39945), (130, 39768), (136, 39735), (146, 39693), (157, 39663),

Gene: Bob3_59 Start: 40291, Stop: 39782, Start Num: 32
Candidate Starts for Bob3_59:
(Start: 32 @40291 has 203 MA's), (97, 40177), (128, 39949), (146, 39871), (169, 39832),

Gene: BobSwaget_57 Start: 38507, Stop: 38028, Start Num: 47
Candidate Starts for BobSwaget_57:
(29, 38528), (Start: 43 @38513 has 14 MA's), (Start: 47 @38507 has 170 MA's), (98, 38378), (126, 38177),

Gene: Bobby_122 Start: 72295, Stop: 72777, Start Num: 40
Candidate Starts for Bobby_122:
(Start: 40 @72295 has 43 MA's), (122, 72619), (123, 72622), (128, 72658), (144, 72730), (149, 72751),

Gene: Bobquesha_77 Start: 47262, Stop: 47738, Start Num: 69
Candidate Starts for Bobquesha_77:
(Start: 52 @47238 has 35 MA's), (Start: 57 @47247 has 5 MA's), (Start: 69 @47262 has 19 MA's), (Start: 73 @47274 has 34 MA's), (89, 47310), (96, 47346), (97, 47364), (99, 47382), (117, 47526), (118, 47532), (127, 47595), (133, 47631), (135, 47634), (150, 47703), (163, 47727),

Gene: BogosyJay_62 Start: 39932, Stop: 39468, Start Num: 47
Candidate Starts for BogosyJay_62:
(Start: 47 @39932 has 170 MA's), (123, 39638), (126, 39617),

Gene: Boilgate_68 Start: 50932, Stop: 51387, Start Num: 69
Candidate Starts for Boilgate_68:
(Start: 69 @50932 has 19 MA's), (Start: 73 @50944 has 34 MA's), (86, 50971), (99, 51031), (108, 51088), (112, 51133), (117, 51175), (128, 51253), (139, 51307), (165, 51382),

Gene: Bombitas_118 Start: 69608, Stop: 70087, Start Num: 52
Candidate Starts for Bombitas_118:
(Start: 52 @69608 has 35 MA's), (112, 69851), (117, 69893), (127, 69950), (133, 69986),

Gene: Bombshell_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Bombshell_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Bonamassa_56 Start: 39499, Stop: 39041, Start Num: 56
Candidate Starts for Bonamassa_56:
(Start: 56 @39499 has 27 MA's), (97, 39397), (106, 39337), (130, 39160), (146, 39085), (157, 39055),

Gene: Bonanza_52 Start: 37150, Stop: 36578, Start Num: 73
Candidate Starts for Bonanza_52:
(Start: 73 @37150 has 34 MA's), (99, 37048), (122, 36871), (124, 36859), (132, 36808), (146, 36754), (155, 36730), (161, 36715), (171, 36622),

Gene: Bones_59 Start: 41515, Stop: 41027, Start Num: 32
Candidate Starts for Bones_59:
(Start: 32 @41515 has 203 MA's), (97, 41401), (125, 41194), (128, 41173), (146, 41095),

Gene: Boohoo_70 Start: 40011, Stop: 39553, Start Num: 43

Candidate Starts for Boohoo_70:
(31, 40029), (Start: 43 @40011 has 14 MA's), (95, 39921), (122, 39711), (147, 39585), (156, 39567),

Gene: Bora_10 Start: 3501, Stop: 3016, Start Num: 75
Candidate Starts for Bora_10:
(Start: 75 @3501 has 31 MA's), (94, 3441), (120, 3228), (121, 3216),

Gene: Bowtie_62 Start: 39378, Stop: 38881, Start Num: 40
Candidate Starts for Bowtie_62:
(Start: 40 @39378 has 43 MA's), (Start: 65 @39342 has 21 MA's), (Start: 87 @39300 has 3 MA's), (104, 39207), (117, 39084), (124, 39042), (126, 39030), (162, 38895),

Gene: Bradshaw_51 Start: 36808, Stop: 36368, Start Num: 73
Candidate Starts for Bradshaw_51:
(Start: 73 @36808 has 34 MA's), (99, 36706), (122, 36529), (128, 36490), (130, 36487), (131, 36478), (146, 36412),

Gene: BreSam8_64 Start: 39615, Stop: 39139, Start Num: 41
Candidate Starts for BreSam8_64:
(Start: 35 @39621 has 25 MA's), (Start: 41 @39615 has 207 MA's), (Start: 87 @39540 has 3 MA's), (144, 39183), (156, 39150),

Gene: Briton15_64 Start: 42512, Stop: 42018, Start Num: 32
Candidate Starts for Briton15_64:
(Start: 32 @42512 has 203 MA's), (146, 42107), (169, 42068),

Gene: Broseidon_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Broseidon_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Bruin_21 Start: 12841, Stop: 13356, Start Num: 46
Candidate Starts for Bruin_21:
(Start: 46 @12841 has 19 MA's), (Start: 75 @12886 has 31 MA's), (119, 13138), (136, 13234),

Gene: Bruiser_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Bruiser_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Bruns_58 Start: 39437, Stop: 38961, Start Num: 32
Candidate Starts for Bruns_58:
(Start: 32 @39437 has 203 MA's), (146, 39032), (169, 38993),

Gene: BrutonGaster_108 Start: 68282, Stop: 68719, Start Num: 73
Candidate Starts for BrutonGaster_108:
(Start: 73 @68282 has 34 MA's),

Gene: Bryce_50 Start: 36553, Stop: 36113, Start Num: 73
Candidate Starts for Bryce_50:
(Start: 73 @36553 has 34 MA's), (99, 36451), (122, 36274), (128, 36235), (130, 36232), (131, 36223), (146, 36157),

Gene: BubbleTrouble_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for BubbleTrouble_57:

(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Buckaroo_56 Start: 38982, Stop: 38512, Start Num: 41
Candidate Starts for Buckaroo_56:
(Start: 41 @38982 has 207 MA's), (106, 38793),

Gene: Bud_60 Start: 38925, Stop: 38428, Start Num: 40
Candidate Starts for Bud_60:
(Start: 40 @38925 has 43 MA's), (Start: 65 @38889 has 21 MA's), (Start: 87 @38847 has 3 MA's), (97, 38793), (104, 38754), (117, 38631), (124, 38589), (126, 38577), (162, 38442),

Gene: Bugatti_63 Start: 39379, Stop: 38921, Start Num: 44
Candidate Starts for Bugatti_63:
(5, 39541), (8, 39502), (Start: 44 @39379 has 37 MA's), (91, 39301), (92, 39298), (106, 39199), (146, 38950), (151, 38932),

Gene: BugsBunny_19 Start: 12407, Stop: 12922, Start Num: 46
Candidate Starts for BugsBunny_19:
(Start: 46 @12407 has 19 MA's), (Start: 75 @12452 has 31 MA's), (119, 12704), (136, 12800),

Gene: Bugsy_64 Start: 40295, Stop: 39822, Start Num: 47
Candidate Starts for Bugsy_64:
(Start: 27 @40319 has 1 MA's), (Start: 43 @40301 has 14 MA's), (Start: 47 @40295 has 170 MA's), (98, 40166), (126, 39965),

Gene: Bumblebee11_55 Start: 38803, Stop: 38333, Start Num: 41
Candidate Starts for Bumblebee11_55:
(36, 38809), (Start: 41 @38803 has 207 MA's), (106, 38614), (151, 38347),

Gene: Burger_56 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Burger_56:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Burton_60 Start: 42081, Stop: 41587, Start Num: 32
Candidate Starts for Burton_60:
(Start: 32 @42081 has 203 MA's), (146, 41676), (169, 41637),

Gene: Buttons_57 Start: 38386, Stop: 37910, Start Num: 32
Candidate Starts for Buttons_57:
(Start: 32 @38386 has 203 MA's), (146, 37981), (169, 37942),

Gene: BuzzBuzz_61 Start: 39649, Stop: 39173, Start Num: 41
Candidate Starts for BuzzBuzz_61:
(Start: 35 @39655 has 25 MA's), (Start: 41 @39649 has 207 MA's), (144, 39217), (156, 39184),

Gene: Bxb1_54 Start: 39137, Stop: 38661, Start Num: 32
Candidate Starts for Bxb1_54:
(Start: 32 @39137 has 203 MA's), (146, 38732), (169, 38693),

Gene: Bxz2_59 Start: 39656, Stop: 39180, Start Num: 41
Candidate Starts for Bxz2_59:
(Start: 35 @39662 has 25 MA's), (Start: 41 @39656 has 207 MA's), (Start: 87 @39581 has 3 MA's), (144, 39224), (156, 39191),

Gene: C3_58 Start: 40015, Stop: 39551, Start Num: 47
Candidate Starts for C3_58:
(Start: 47 @40015 has 170 MA's), (126, 39700), (134, 39655),

Gene: CRB1_65 Start: 40792, Stop: 40319, Start Num: 47
Candidate Starts for CRB1_65:
(Start: 47 @40792 has 170 MA's), (98, 40663), (126, 40462),

Gene: CactusRose_58 Start: 40570, Stop: 40085, Start Num: 56
Candidate Starts for CactusRose_58:
(Start: 32 @40576 has 203 MA's), (Start: 56 @40570 has 27 MA's), (146, 40171), (169, 40132),

Gene: Caelakin_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Caelakin_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Caitlin_63 Start: 39208, Stop: 38720, Start Num: 56
Candidate Starts for Caitlin_63:
(Start: 47 @39214 has 170 MA's), (Start: 56 @39208 has 27 MA's), (97, 39106), (106, 39046), (146, 38767),

Gene: Calvinny_64 Start: 39507, Stop: 39031, Start Num: 41
Candidate Starts for Calvinny_64:
(Start: 41 @39507 has 207 MA's), (139, 39093), (144, 39075), (156, 39042),

Gene: Camperdownii_56 Start: 38652, Stop: 38182, Start Num: 41
Candidate Starts for Camperdownii_56:
(Start: 41 @38652 has 207 MA's), (106, 38463),

Gene: Candra_64 Start: 38619, Stop: 38116, Start Num: 47
Candidate Starts for Candra_64:
(Start: 47 @38619 has 170 MA's), (Start: 51 @38616 has 20 MA's), (126, 38292),

Gene: Caraxes_61 Start: 38582, Stop: 38100, Start Num: 47
Candidate Starts for Caraxes_61:
(Start: 47 @38582 has 170 MA's), (126, 38246), (139, 38177),

Gene: Cardigan_144 Start: 80895, Stop: 81335, Start Num: 76
Candidate Starts for Cardigan_144:
(Start: 76 @80895 has 11 MA's), (107, 81042), (118, 81144), (128, 81216), (130, 81219), (146, 81294), (147, 81303), (159, 81330),

Gene: Carlyle_59 Start: 39172, Stop: 38705, Start Num: 32
Candidate Starts for Carlyle_59:
(Start: 32 @39172 has 203 MA's), (128, 38851), (146, 38773),

Gene: CatBus_57 Start: 40625, Stop: 40149, Start Num: 32
Candidate Starts for CatBus_57:
(Start: 32 @40625 has 203 MA's), (146, 40220), (169, 40181),

Gene: Cat_57 Start: 38948, Stop: 38490, Start Num: 44
Candidate Starts for Cat_57:

(3, 39158), (5, 39110), (Start: 44 @38948 has 37 MA's), (92, 38867), (104, 38789), (106, 38768), (146, 38519), (151, 38501),

Gene: Catdawg_9 Start: 3150, Stop: 2665, Start Num: 75
Candidate Starts for Catdawg_9:
(Start: 75 @3150 has 31 MA's), (94, 3090), (120, 2877), (121, 2865), (158, 2706),

Gene: Caviar_60 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Caviar_60:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (128, 38987), (144, 38915), (151, 38891),

Gene: Celestialunch_61 Start: 39601, Stop: 39137, Start Num: 47
Candidate Starts for Celestialunch_61:
(Start: 47 @39601 has 170 MA's), (126, 39286),

Gene: Centaur_63 Start: 39933, Stop: 39460, Start Num: 47
Candidate Starts for Centaur_63:
(Start: 43 @39939 has 14 MA's), (Start: 47 @39933 has 170 MA's), (98, 39804), (126, 39603),

Gene: CentreCat_58 Start: 38981, Stop: 38511, Start Num: 41
Candidate Starts for CentreCat_58:
(Start: 41 @38981 has 207 MA's), (106, 38792),

Gene: Cerulean_59 Start: 39382, Stop: 38912, Start Num: 41
Candidate Starts for Cerulean_59:
(21, 39415), (Start: 41 @39382 has 207 MA's), (106, 39193), (151, 38926),

Gene: Chadwick_61 Start: 39781, Stop: 39317, Start Num: 53
Candidate Starts for Chadwick_61:
(Start: 43 @39796 has 14 MA's), (Start: 53 @39781 has 40 MA's), (97, 39673), (106, 39613), (130, 39436), (136, 39403), (146, 39361), (157, 39331),

Gene: ChampagnePapi_60 Start: 39381, Stop: 38911, Start Num: 41
Candidate Starts for ChampagnePapi_60:
(21, 39414), (Start: 41 @39381 has 207 MA's), (106, 39192), (151, 38925),

Gene: Chanagan_55 Start: 38471, Stop: 37995, Start Num: 32
Candidate Starts for Chanagan_55:
(Start: 32 @38471 has 203 MA's), (146, 38066), (169, 38027),

Gene: Chancellor_76 Start: 48376, Stop: 48852, Start Num: 69
Candidate Starts for Chancellor_76:
(Start: 52 @48352 has 35 MA's), (Start: 69 @48376 has 19 MA's), (Start: 73 @48388 has 34 MA's), (89, 48424), (96, 48460), (97, 48478), (99, 48496), (117, 48640), (118, 48646), (127, 48709), (133, 48745), (135, 48748), (150, 48817), (163, 48841),

Gene: Changeling_61 Start: 40336, Stop: 39878, Start Num: 47
Candidate Starts for Changeling_61:
(Start: 47 @40336 has 170 MA's), (126, 40021), (144, 39934),

Gene: Chaph_58 Start: 38989, Stop: 38519, Start Num: 41
Candidate Starts for Chaph_58:

(Start: 41 @38989 has 207 MA's), (106, 38800),

Gene: Chargerpower_60 Start: 38484, Stop: 38008, Start Num: 47
Candidate Starts for Chargerpower_60:
(Start: 47 @38484 has 170 MA's), (123, 38175), (126, 38154), (144, 38067),

Gene: Charm_61 Start: 39663, Stop: 39199, Start Num: 47
Candidate Starts for Charm_61:
(Start: 47 @39663 has 170 MA's), (123, 39369), (126, 39348),

Gene: Chartreuse_62 Start: 37967, Stop: 37467, Start Num: 51
Candidate Starts for Chartreuse_62:
(Start: 47 @37970 has 170 MA's), (Start: 51 @37967 has 20 MA's), (126, 37643),

Gene: Che12_63 Start: 38822, Stop: 38367, Start Num: 67
Candidate Starts for Che12_63:
(Start: 67 @38822 has 3 MA's), (126, 38513),

Gene: Cheetobro_76 Start: 48349, Stop: 48849, Start Num: 52
Candidate Starts for Cheetobro_76:
(Start: 52 @48349 has 35 MA's), (Start: 69 @48373 has 19 MA's), (Start: 73 @48385 has 34 MA's), (89, 48421), (96, 48457), (97, 48475), (99, 48493), (117, 48637), (118, 48643), (127, 48706), (133, 48742), (135, 48745), (150, 48814), (163, 48838),

Gene: ChipMunk_64 Start: 41504, Stop: 41031, Start Num: 47
Candidate Starts for ChipMunk_64:
(Start: 47 @41504 has 170 MA's), (126, 41174),

Gene: Chiqui_57 Start: 39366, Stop: 38908, Start Num: 44
Candidate Starts for Chiqui_57:
(Start: 44 @39366 has 37 MA's), (91, 39288), (104, 39207), (106, 39186), (146, 38937), (151, 38919),

Gene: ChristmasHams_53 Start: 37971, Stop: 37498, Start Num: 53
Candidate Starts for ChristmasHams_53:
(Start: 53 @37971 has 40 MA's), (146, 37566),

Gene: Chupacabra_57 Start: 38882, Stop: 38397, Start Num: 40
Candidate Starts for Chupacabra_57:
(Start: 40 @38882 has 43 MA's), (106, 38690), (149, 38426), (151, 38423), (157, 38411),

Gene: Ciao_58 Start: 39844, Stop: 39368, Start Num: 32
Candidate Starts for Ciao_58:
(Start: 32 @39844 has 203 MA's), (146, 39439), (169, 39400),

Gene: Cici_56 Start: 38818, Stop: 38348, Start Num: 41
Candidate Starts for Cici_56:
(36, 38824), (Start: 41 @38818 has 207 MA's), (106, 38629), (151, 38362),

Gene: Cindaradix_53 Start: 38448, Stop: 37978, Start Num: 41
Candidate Starts for Cindaradix_53:
(21, 38481), (Start: 41 @38448 has 207 MA's), (106, 38259), (151, 37992),

Gene: Cintron_57 Start: 38955, Stop: 38485, Start Num: 41

Candidate Starts for Cintron_57:
(Start: 41 @38955 has 207 MA's), (106, 38766),

Gene: Citius_58 Start: 38999, Stop: 38529, Start Num: 41
Candidate Starts for Citius_58:
(Start: 41 @38999 has 207 MA's), (106, 38810),

Gene: Clammy_63 Start: 39379, Stop: 38921, Start Num: 44
Candidate Starts for Clammy_63:
(5, 39541), (8, 39502), (Start: 44 @39379 has 37 MA's), (91, 39301), (92, 39298), (106, 39199), (146, 38950), (151, 38932),

Gene: Clarenza_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Clarenza_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: CloudWang3_65 Start: 39209, Stop: 38709, Start Num: 51
Candidate Starts for CloudWang3_65:
(Start: 47 @39212 has 170 MA's), (Start: 51 @39209 has 20 MA's), (126, 38885),

Gene: ClownCar_64 Start: 39500, Stop: 39024, Start Num: 41
Candidate Starts for ClownCar_64:
(Start: 41 @39500 has 207 MA's), (139, 39086), (144, 39068), (156, 39035),

Gene: ClubL_134 Start: 73245, Stop: 73709, Start Num: 62
Candidate Starts for ClubL_134:
(Start: 62 @73245 has 3 MA's), (Start: 76 @73272 has 11 MA's), (Start: 78 @73275 has 3 MA's), (107, 73419), (124, 73566), (144, 73665),

Gene: Cocoaberry_58 Start: 38982, Stop: 38512, Start Num: 41
Candidate Starts for Cocoaberry_58:
(Start: 41 @38982 has 207 MA's), (106, 38793),

Gene: Colbster_63 Start: 39625, Stop: 39149, Start Num: 41
Candidate Starts for Colbster_63:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Colin_61 Start: 40055, Stop: 39588, Start Num: 47
Candidate Starts for Colin_61:
(Start: 47 @40055 has 170 MA's), (118, 39779), (123, 39752), (126, 39731),

Gene: Commander_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Commander_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: ConceptII_62 Start: 41910, Stop: 41434, Start Num: 32
Candidate Starts for ConceptII_62:
(Start: 32 @41910 has 203 MA's), (146, 41505), (169, 41466),

Gene: Connomayer_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Connomayer_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Conquerage_62 Start: 39766, Stop: 39302, Start Num: 47
Candidate Starts for Conquerage_62:
(Start: 47 @39766 has 170 MA's), (126, 39451),

Gene: Conspiracy_59 Start: 39899, Stop: 39441, Start Num: 56
Candidate Starts for Conspiracy_59:
(Start: 56 @39899 has 27 MA's), (97, 39797), (106, 39737), (111, 39701), (130, 39560), (146, 39485), (157, 39455),

Gene: Constella_120 Start: 67734, Stop: 68210, Start Num: 52
Candidate Starts for Constella_120:
(Start: 52 @67734 has 35 MA's), (122, 68052), (123, 68055), (128, 68091), (144, 68163), (149, 68184),

Gene: Coog_56 Start: 39869, Stop: 39405, Start Num: 53
Candidate Starts for Coog_56:
(Start: 43 @39884 has 14 MA's), (Start: 53 @39869 has 40 MA's), (97, 39761), (106, 39701), (130, 39524), (146, 39449), (157, 39419),

Gene: Cookiedough_63 Start: 38598, Stop: 38095, Start Num: 47
Candidate Starts for Cookiedough_63:
(Start: 47 @38598 has 170 MA's), (Start: 51 @38595 has 20 MA's), (126, 38271),

Gene: Corndog_11 Start: 3793, Stop: 3308, Start Num: 75
Candidate Starts for Corndog_11:
(Start: 75 @3793 has 31 MA's), (94, 3733), (120, 3520), (121, 3508),

Gene: Corvo_60 Start: 41389, Stop: 40922, Start Num: 32
Candidate Starts for Corvo_60:
(Start: 32 @41389 has 203 MA's), (128, 41068), (146, 40990),

Gene: CosmicSans_51 Start: 36799, Stop: 36359, Start Num: 73
Candidate Starts for CosmicSans_51:
(Start: 73 @36799 has 34 MA's), (99, 36697), (122, 36520), (128, 36481), (130, 36478), (131, 36469), (146, 36403),

Gene: Courthouse_123 Start: 67271, Stop: 67753, Start Num: 40
Candidate Starts for Courthouse_123:
(Start: 40 @67271 has 43 MA's), (117, 67565), (122, 67595), (123, 67598), (128, 67634),

Gene: Crispicous1_57 Start: 39629, Stop: 39138, Start Num: 32
Candidate Starts for Crispicous1_57:
(Start: 32 @39629 has 203 MA's), (146, 39224), (169, 39185),

Gene: Croquant_64 Start: 39626, Stop: 39144, Start Num: 35
Candidate Starts for Croquant_64:
(Start: 35 @39626 has 25 MA's), (Start: 41 @39620 has 207 MA's), (Start: 87 @39545 has 3 MA's), (144, 39188), (156, 39155),

Gene: Crucio_62 Start: 39921, Stop: 39448, Start Num: 47
Candidate Starts for Crucio_62:
(Start: 27 @39945 has 1 MA's), (Start: 43 @39927 has 14 MA's), (Start: 47 @39921 has 170 MA's), (98, 39792), (126, 39591),

Gene: Cuco_58 Start: 39744, Stop: 39265, Start Num: 43
Candidate Starts for Cuco_58:
(Start: 43 @39744 has 14 MA's), (Start: 53 @39729 has 40 MA's), (97, 39621), (106, 39561), (130, 39384), (146, 39309), (157, 39279),

Gene: Cucurbita_135 Start: 75014, Stop: 75451, Start Num: 76
Candidate Starts for Cucurbita_135:
(Start: 62 @74987 has 3 MA's), (Start: 76 @75014 has 11 MA's), (Start: 78 @75017 has 3 MA's), (107, 75161), (124, 75308), (144, 75407),

Gene: Cueylyss_60 Start: 41715, Stop: 41227, Start Num: 32
Candidate Starts for Cueylyss_60:
(Start: 32 @41715 has 203 MA's), (97, 41601), (125, 41394), (128, 41373), (146, 41295),

Gene: Cullens_64 Start: 39621, Stop: 39145, Start Num: 41
Candidate Starts for Cullens_64:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Culver_133 Start: 73010, Stop: 73450, Start Num: 78
Candidate Starts for Culver_133:
(Start: 74 @73007 has 1 MA's), (Start: 78 @73010 has 3 MA's), (128, 73328), (146, 73406),

Gene: CurlyFries_104 Start: 54151, Stop: 54600, Start Num: 69
Candidate Starts for CurlyFries_104:
(10, 53986), (Start: 69 @54151 has 19 MA's), (86, 54190), (98, 54247), (105, 54289), (106, 54292), (107, 54298), (112, 54352), (118, 54400), (121, 54430), (130, 54481), (132, 54502),

Gene: D29_59 Start: 39612, Stop: 39115, Start Num: 34
Candidate Starts for D29_59:
(Start: 34 @39612 has 3 MA's), (Start: 65 @39576 has 21 MA's), (Start: 87 @39534 has 3 MA's), (91, 39522), (126, 39264), (134, 39219),

Gene: D32_62 Start: 39576, Stop: 39115, Start Num: 65
Candidate Starts for D32_62:
(Start: 34 @39612 has 3 MA's), (Start: 65 @39576 has 21 MA's), (Start: 87 @39534 has 3 MA's), (91, 39522), (126, 39264), (134, 39219),

Gene: DBQu4n_63 Start: 39593, Stop: 39096, Start Num: 34
Candidate Starts for DBQu4n_63:
(Start: 34 @39593 has 3 MA's), (Start: 65 @39557 has 21 MA's), (Start: 87 @39515 has 3 MA's), (91, 39503), (126, 39245), (134, 39200),

Gene: DD5_58 Start: 40745, Stop: 40257, Start Num: 32
Candidate Starts for DD5_58:
(Start: 32 @40745 has 203 MA's), (97, 40631), (115, 40478), (128, 40403), (146, 40325),

Gene: DaHudson_63 Start: 39620, Stop: 39138, Start Num: 35
Candidate Starts for DaHudson_63:
(Start: 35 @39620 has 25 MA's), (Start: 41 @39614 has 207 MA's), (Start: 87 @39539 has 3 MA's), (144, 39182), (156, 39149),

Gene: DaVinci_61 Start: 38024, Stop: 37521, Start Num: 47
Candidate Starts for DaVinci_61:
(Start: 47 @38024 has 170 MA's), (Start: 51 @38021 has 20 MA's), (126, 37697),

Gene: Daishi_63 Start: 38490, Stop: 38014, Start Num: 41
Candidate Starts for Daishi_63:
(Start: 35 @38496 has 25 MA's), (Start: 41 @38490 has 207 MA's), (Start: 87 @38415 has 3 MA's), (144, 38058), (156, 38025),

Gene: Dallas_131 Start: 71712, Stop: 72188, Start Num: 52
Candidate Starts for Dallas_131:
(Start: 52 @71712 has 35 MA's), (122, 72030), (123, 72033), (128, 72069), (144, 72141), (149, 72162),

Gene: Dalmatian_63 Start: 40127, Stop: 39654, Start Num: 47
Candidate Starts for Dalmatian_63:
(Start: 27 @40151 has 1 MA's), (Start: 43 @40133 has 14 MA's), (Start: 47 @40127 has 170 MA's), (98, 39998), (126, 39797),

Gene: DanSyl44_79 Start: 49567, Stop: 50043, Start Num: 69
Candidate Starts for DanSyl44_79:
(Start: 52 @49543 has 35 MA's), (Start: 69 @49567 has 19 MA's), (Start: 73 @49579 has 34 MA's), (89, 49615), (96, 49651), (97, 49669), (99, 49687), (100, 49690), (117, 49831), (118, 49837), (127, 49900), (133, 49936), (135, 49939), (150, 50008), (163, 50032),

Gene: Danforth_64 Start: 39555, Stop: 39067, Start Num: 56
Candidate Starts for Danforth_64:
(Start: 47 @39561 has 170 MA's), (Start: 56 @39555 has 27 MA's), (97, 39453), (106, 39393), (146, 39114),

Gene: Darrell_65 Start: 40606, Stop: 40142, Start Num: 47
Candidate Starts for Darrell_65:
(Start: 47 @40606 has 170 MA's), (123, 40312), (126, 40291),

Gene: DarthPhader_59 Start: 40882, Stop: 40415, Start Num: 47
Candidate Starts for DarthPhader_59:
(Start: 47 @40882 has 170 MA's), (123, 40585), (126, 40564), (146, 40471),

Gene: Datway_56 Start: 38789, Stop: 38319, Start Num: 41
Candidate Starts for Datway_56:
(36, 38795), (Start: 41 @38789 has 207 MA's), (106, 38600), (151, 38333),

Gene: Deano_57 Start: 38986, Stop: 38516, Start Num: 41
Candidate Starts for Deano_57:
(Start: 41 @38986 has 207 MA's), (106, 38797),

Gene: DeerParkTS_59 Start: 39057, Stop: 38584, Start Num: 47
Candidate Starts for DeerParkTS_59:
(Start: 47 @39057 has 170 MA's), (98, 38928), (126, 38727), (144, 38640),

Gene: DekHockey33_71 Start: 40303, Stop: 39845, Start Num: 43
Candidate Starts for DekHockey33_71:
(31, 40321), (Start: 43 @40303 has 14 MA's), (95, 40213), (122, 40003), (147, 39877), (156, 39859),

Gene: Deloris_63 Start: 39942, Stop: 39469, Start Num: 47
Candidate Starts for Deloris_63:
(Start: 47 @39942 has 170 MA's), (126, 39612),

Gene: DelvinSonDorr_60 Start: 38826, Stop: 38326, Start Num: 51
Candidate Starts for DelvinSonDorr_60:
(Start: 47 @38829 has 170 MA's), (Start: 51 @38826 has 20 MA's), (126, 38502),

Gene: Dexes_59 Start: 40748, Stop: 40272, Start Num: 32
Candidate Starts for Dexes_59:
(Start: 32 @40748 has 203 MA's), (146, 40343), (169, 40304),

Gene: Dhanush_58 Start: 38981, Stop: 38511, Start Num: 41
Candidate Starts for Dhanush_58:
(16, 39032), (Start: 41 @38981 has 207 MA's), (106, 38792),

Gene: Dieselweasel_65 Start: 39624, Stop: 39148, Start Num: 41
Candidate Starts for Dieselweasel_65:
(Start: 35 @39630 has 25 MA's), (Start: 41 @39624 has 207 MA's), (Start: 87 @39549 has 3 MA's), (144, 39192), (156, 39159),

Gene: Dignity_64 Start: 40318, Stop: 39845, Start Num: 47
Candidate Starts for Dignity_64:
(Start: 47 @40318 has 170 MA's), (98, 40189), (126, 39988),

Gene: Dinger_50 Start: 36941, Stop: 36501, Start Num: 73
Candidate Starts for Dinger_50:
(Start: 73 @36941 has 34 MA's), (Start: 87 @36911 has 3 MA's), (99, 36839), (122, 36662), (128, 36623), (130, 36620), (131, 36611), (146, 36545),

Gene: DirtDevil_59 Start: 40433, Stop: 39957, Start Num: 32
Candidate Starts for DirtDevil_59:
(Start: 32 @40433 has 203 MA's), (146, 40028), (169, 39989),

Gene: DirtyDunning_57 Start: 38990, Stop: 38520, Start Num: 41
Candidate Starts for DirtyDunning_57:
(Start: 41 @38990 has 207 MA's), (106, 38801),

Gene: Discoknowium_57 Start: 39572, Stop: 39108, Start Num: 53
Candidate Starts for Discoknowium_57:
(Start: 43 @39587 has 14 MA's), (Start: 53 @39572 has 40 MA's), (68, 39554), (97, 39464), (105, 39407), (106, 39404), (130, 39227), (136, 39194), (146, 39152), (157, 39122),

Gene: Dixon_63 Start: 39075, Stop: 38587, Start Num: 56
Candidate Starts for Dixon_63:
(Start: 47 @39081 has 170 MA's), (Start: 56 @39075 has 27 MA's), (97, 38973), (106, 38913), (130, 38709), (146, 38634),

Gene: DmpstrDiver_130 Start: 71014, Stop: 71490, Start Num: 52
Candidate Starts for DmpstrDiver_130:
(Start: 52 @71014 has 35 MA's), (122, 71332), (123, 71335), (128, 71371), (144, 71443), (149, 71464),

Gene: DontArgue_56 Start: 38068, Stop: 37583, Start Num: 40

Candidate Starts for DontArgue_56:
(Start: 40 @38068 has 43 MA's), (Start: 53 @38047 has 40 MA's), (106, 37876), (149, 37612), (151, 37609), (157, 37597),

Gene: Doom_58 Start: 41322, Stop: 40855, Start Num: 32
Candidate Starts for Doom_58:
(Start: 32 @41322 has 203 MA's), (128, 41001), (146, 40923),

Gene: Dorothea_63 Start: 38596, Stop: 38093, Start Num: 47
Candidate Starts for Dorothea_63:
(Start: 47 @38596 has 170 MA's), (Start: 51 @38593 has 20 MA's), (126, 38269), (141, 38197),

Gene: Dove_116 Start: 66658, Stop: 67134, Start Num: 52
Candidate Starts for Dove_116:
(25, 66613), (Start: 52 @66658 has 35 MA's), (122, 66976), (123, 66979), (128, 67015), (144, 67087), (149, 67108),

Gene: DrFeelGood_57 Start: 39707, Stop: 39231, Start Num: 32
Candidate Starts for DrFeelGood_57:
(Start: 32 @39707 has 203 MA's), (146, 39302), (169, 39263),

Gene: Drake55_64 Start: 40018, Stop: 39545, Start Num: 47
Candidate Starts for Drake55_64:
(Start: 27 @40042 has 1 MA's), (Start: 43 @40024 has 14 MA's), (Start: 47 @40018 has 170 MA's), (98, 39889), (126, 39688),

Gene: Drake94_57 Start: 38129, Stop: 37644, Start Num: 40
Candidate Starts for Drake94_57:
(Start: 40 @38129 has 43 MA's), (106, 37937), (148, 37676), (157, 37658),

Gene: DreamCatcher_63 Start: 41385, Stop: 40897, Start Num: 32
Candidate Starts for DreamCatcher_63:
(Start: 32 @41385 has 203 MA's), (97, 41271), (125, 41064), (128, 41043), (146, 40965), (169, 40926),

Gene: DreamTeam1_61 Start: 39495, Stop: 39031, Start Num: 47
Candidate Starts for DreamTeam1_61:
(Start: 47 @39495 has 170 MA's), (123, 39201), (126, 39180),

Gene: Dreamboat_60 Start: 39615, Stop: 39127, Start Num: 32
Candidate Starts for Dreamboat_60:
(Start: 32 @39615 has 203 MA's), (97, 39501), (128, 39273), (146, 39195),

Gene: DroogsArmy_56 Start: 41388, Stop: 40951, Start Num: 70
Candidate Starts for DroogsArmy_56:
(37, 41439), (Start: 70 @41388 has 4 MA's), (97, 41301), (104, 41262), (128, 41070), (130, 41067), (131, 41058), (146, 40992), (149, 40977), (151, 40974),

Gene: DropBear_61 Start: 39284, Stop: 38823, Start Num: 44
Candidate Starts for DropBear_61:
(5, 39446), (8, 39407), (Start: 44 @39284 has 37 MA's), (92, 39200), (104, 39122), (106, 39101), (146, 38852), (151, 38834),

Gene: Druantia_58 Start: 38981, Stop: 38511, Start Num: 41

Candidate Starts for Druantia_58:
(Start: 41 @38981 has 207 MA's), (106, 38792),

Gene: Dublin_58 Start: 39805, Stop: 39341, Start Num: 53
Candidate Starts for Dublin_58:
(Start: 43 @39820 has 14 MA's), (Start: 53 @39805 has 40 MA's), (97, 39697), (106, 39637), (111, 39601), (130, 39460), (146, 39385), (157, 39355),

Gene: DudeLittle_61 Start: 39893, Stop: 39420, Start Num: 47
Candidate Starts for DudeLittle_61:
(Start: 27 @39917 has 1 MA's), (Start: 43 @39899 has 14 MA's), (Start: 47 @39893 has 170 MA's), (98, 39764), (126, 39563),

Gene: Duke13_125 Start: 68315, Stop: 68791, Start Num: 52
Candidate Starts for Duke13_125:
(25, 68270), (Start: 52 @68315 has 35 MA's), (122, 68633), (123, 68636), (128, 68672), (144, 68744), (149, 68765),

Gene: Dulcie_61 Start: 42341, Stop: 41865, Start Num: 32
Candidate Starts for Dulcie_61:
(Start: 32 @42341 has 203 MA's), (146, 41936), (169, 41897),

Gene: Duplo_63 Start: 39613, Stop: 39152, Start Num: 65
Candidate Starts for Duplo_63:
(Start: 34 @39649 has 3 MA's), (Start: 65 @39613 has 21 MA's), (Start: 87 @39571 has 3 MA's), (91, 39559), (126, 39301), (134, 39256),

Gene: Dussy_61 Start: 41353, Stop: 40877, Start Num: 32
Candidate Starts for Dussy_61:
(Start: 32 @41353 has 203 MA's), (146, 40948), (169, 40909),

Gene: Dusty_131 Start: 73243, Stop: 73686, Start Num: 76
Candidate Starts for Dusty_131:
(Start: 62 @73216 has 3 MA's), (Start: 76 @73243 has 11 MA's), (Start: 78 @73246 has 3 MA's), (128, 73564), (146, 73642),

Gene: DustyMartin_61 Start: 38987, Stop: 38502, Start Num: 40
Candidate Starts for DustyMartin_61:
(11, 39053), (Start: 40 @38987 has 43 MA's), (106, 38795), (144, 38552), (157, 38516),

Gene: Dynamix_61 Start: 40132, Stop: 39665, Start Num: 32
Candidate Starts for Dynamix_61:
(Start: 32 @40132 has 203 MA's), (128, 39811), (146, 39733),

Gene: EZMoney23_59 Start: 39411, Stop: 38947, Start Num: 47
Candidate Starts for EZMoney23_59:
(Start: 43 @39417 has 14 MA's), (Start: 47 @39411 has 170 MA's), (126, 39090),

Gene: Eagle_58 Start: 39003, Stop: 38533, Start Num: 41
Candidate Starts for Eagle_58:
(Start: 41 @39003 has 207 MA's), (106, 38814), (132, 38619),

Gene: EagleEye_65 Start: 39846, Stop: 39388, Start Num: 65

Candidate Starts for EagleEye_65:
(Start: 56 @39852 has 27 MA's), (Start: 65 @39846 has 21 MA's), (118, 39585), (123, 39558), (126, 39537), (144, 39450),

Gene: Eaglepride_60 Start: 39072, Stop: 38587, Start Num: 40
Candidate Starts for Eaglepride_60:
(1, 39684), (11, 39138), (Start: 40 @39072 has 43 MA's), (Start: 53 @39051 has 40 MA's), (106, 38880), (149, 38616), (151, 38613), (157, 38601),

Gene: Eapen_58 Start: 38973, Stop: 38503, Start Num: 41
Candidate Starts for Eapen_58:
(Start: 41 @38973 has 207 MA's), (106, 38784),

Gene: Echild_62 Start: 39285, Stop: 38812, Start Num: 47
Candidate Starts for Echild_62:
(Start: 27 @39309 has 1 MA's), (Start: 43 @39291 has 14 MA's), (Start: 47 @39285 has 170 MA's), (98, 39156), (126, 38955),

Gene: Edison31_56 Start: 38915, Stop: 38430, Start Num: 40
Candidate Starts for Edison31_56:
(11, 38981), (Start: 40 @38915 has 43 MA's), (106, 38723), (144, 38480), (149, 38459), (151, 38456), (157, 38444),

Gene: EdogawaKiddo_63 Start: 40002, Stop: 39538, Start Num: 47
Candidate Starts for EdogawaKiddo_63:
(Start: 47 @40002 has 170 MA's), (123, 39708), (126, 39687),

Gene: Edtherson_59 Start: 41316, Stop: 40822, Start Num: 32
Candidate Starts for Edtherson_59:
(Start: 32 @41316 has 203 MA's), (146, 40911), (169, 40872),

Gene: Eidsmoe_62 Start: 39758, Stop: 39294, Start Num: 47
Candidate Starts for Eidsmoe_62:
(Start: 47 @39758 has 170 MA's), (126, 39443),

Gene: Ejimix_124 Start: 71780, Stop: 72256, Start Num: 52
Candidate Starts for Ejimix_124:
(Start: 52 @71780 has 35 MA's), (122, 72098), (123, 72101), (128, 72137), (144, 72209), (149, 72230),

Gene: ElTiger69_61 Start: 40029, Stop: 39565, Start Num: 53
Candidate Starts for ElTiger69_61:
(Start: 43 @40044 has 14 MA's), (Start: 53 @40029 has 40 MA's), (97, 39921), (106, 39861), (130, 39684), (136, 39651), (146, 39609), (157, 39579),

Gene: Elephantoon_62 Start: 39345, Stop: 38881, Start Num: 47
Candidate Starts for Elephantoon_62:
(Start: 47 @39345 has 170 MA's), (118, 39078), (123, 39051), (126, 39030),

Gene: Elle_65 Start: 38608, Stop: 38132, Start Num: 43
Candidate Starts for Elle_65:
(Start: 43 @38608 has 14 MA's), (118, 38314), (122, 38290), (147, 38164), (156, 38146),

Gene: Emmina_22 Start: 12652, Stop: 13167, Start Num: 46

Candidate Starts for Emmina_22:
(Start: 46 @12652 has 19 MA's), (Start: 75 @12697 has 31 MA's), (119, 12949), (136, 13045),

Gene: EmyBug_61 Start: 39760, Stop: 39296, Start Num: 47
Candidate Starts for EmyBug_61:
(Start: 47 @39760 has 170 MA's), (126, 39445),

Gene: Engineer_136 Start: 74674, Stop: 75111, Start Num: 76
Candidate Starts for Engineer_136:
(Start: 62 @74647 has 3 MA's), (Start: 76 @74674 has 11 MA's), (Start: 78 @74677 has 3 MA's), (107, 74821), (124, 74968), (144, 75067),

Gene: EnzoK_59 Start: 38007, Stop: 37483, Start Num: 32
Candidate Starts for EnzoK_59:
(Start: 32 @38007 has 203 MA's), (146, 37602), (172, 37515),

Gene: EpicPhail_65 Start: 39625, Stop: 39149, Start Num: 41
Candidate Starts for EpicPhail_65:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Eponine_78 Start: 49220, Stop: 49696, Start Num: 69
Candidate Starts for Eponine_78:
(Start: 52 @49196 has 35 MA's), (Start: 69 @49220 has 19 MA's), (Start: 73 @49232 has 34 MA's), (89, 49268), (96, 49304), (97, 49322), (99, 49340), (127, 49553), (133, 49589), (135, 49592), (150, 49661), (163, 49685),

Gene: Equemioh13_62 Start: 39838, Stop: 39365, Start Num: 47
Candidate Starts for Equemioh13_62:
(Start: 43 @39844 has 14 MA's), (Start: 47 @39838 has 170 MA's), (98, 39709), (126, 39508),

Gene: EricB_62 Start: 38576, Stop: 38073, Start Num: 47
Candidate Starts for EricB_62:
(Start: 47 @38576 has 170 MA's), (Start: 51 @38573 has 20 MA's), (126, 38249),

Gene: EricMillard_122 Start: 70284, Stop: 70760, Start Num: 52
Candidate Starts for EricMillard_122:
(25, 70239), (Start: 52 @70284 has 35 MA's), (122, 70602), (123, 70605), (128, 70641), (144, 70713), (149, 70734),

Gene: Erik_51 Start: 36731, Stop: 36291, Start Num: 73
Candidate Starts for Erik_51:
(Start: 73 @36731 has 34 MA's), (99, 36629), (122, 36452), (128, 36413), (130, 36410), (131, 36401), (146, 36335),

Gene: Eris_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Eris_57:
(36, 38984), (Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Eros_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Eros_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Espica_51 Start: 36741, Stop: 36301, Start Num: 73
Candidate Starts for Espica_51:
(Start: 73 @36741 has 34 MA's), (99, 36639), (122, 36462), (128, 36423), (130, 36420), (131, 36411), (146, 36345),

Gene: Espresso_58 Start: 40763, Stop: 40287, Start Num: 32
Candidate Starts for Espresso_58:
(Start: 32 @40763 has 203 MA's), (128, 40436), (146, 40358), (169, 40319),

Gene: Et2Brutus_60 Start: 38905, Stop: 38408, Start Num: 40
Candidate Starts for Et2Brutus_60:
(Start: 40 @38905 has 43 MA's), (Start: 65 @38869 has 21 MA's), (Start: 87 @38827 has 3 MA's), (97, 38773), (104, 38734), (117, 38611), (124, 38569), (126, 38557), (162, 38422),

Gene: EtoileNova_60 Start: 39342, Stop: 38884, Start Num: 44
Candidate Starts for EtoileNova_60:
(Start: 44 @39342 has 37 MA's), (91, 39264), (92, 39261), (106, 39162), (123, 39027), (144, 38919), (151, 38895),

Gene: Euphoria_57 Start: 40039, Stop: 39566, Start Num: 32
Candidate Starts for Euphoria_57:
(Start: 32 @40039 has 203 MA's), (146, 39634),

Gene: Eurydice_59 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Eurydice_59:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: EvilGenius_63 Start: 41505, Stop: 41032, Start Num: 47
Candidate Starts for EvilGenius_63:
(Start: 47 @41505 has 170 MA's), (126, 41175),

Gene: Expelliarmus_61 Start: 39279, Stop: 38791, Start Num: 56
Candidate Starts for Expelliarmus_61:
(Start: 47 @39285 has 170 MA's), (Start: 56 @39279 has 27 MA's), (97, 39177), (106, 39117), (130, 38913), (146, 38838),

Gene: Eyeball_61 Start: 41486, Stop: 40992, Start Num: 32
Candidate Starts for Eyeball_61:
(Start: 32 @41486 has 203 MA's), (146, 41081), (169, 41042),

Gene: Fajezeel_60 Start: 40184, Stop: 39717, Start Num: 32
Candidate Starts for Fajezeel_60:
(25, 40196), (Start: 32 @40184 has 203 MA's), (85, 40136), (99, 40076), (103, 40058), (125, 39887), (128, 39866), (146, 39788), (169, 39749),

Gene: Fameo_62 Start: 40252, Stop: 39779, Start Num: 47
Candidate Starts for Fameo_62:
(Start: 27 @40276 has 1 MA's), (Start: 43 @40258 has 14 MA's), (Start: 47 @40252 has 170 MA's), (98, 40123), (126, 39922),

Gene: Familton_10 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for Familton_10:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Farber_64 Start: 39611, Stop: 39135, Start Num: 41
Candidate Starts for Farber_64:
(Start: 35 @39617 has 25 MA's), (Start: 41 @39611 has 207 MA's), (Start: 87 @39536 has 3 MA's), (144, 39179), (156, 39146),

Gene: Fascinus_55 Start: 40332, Stop: 39856, Start Num: 32
Candidate Starts for Fascinus_55:
(Start: 32 @40332 has 203 MA's), (146, 39927), (169, 39888),

Gene: FatCactus_59 Start: 39442, Stop: 38990, Start Num: 70
Candidate Starts for FatCactus_59:
(Start: 70 @39442 has 4 MA's), (Start: 87 @39409 has 3 MA's), (105, 39295), (110, 39268), (124, 39151), (147, 39037), (148, 39034), (156, 39019),

Gene: Fayely_62 Start: 39727, Stop: 39263, Start Num: 47
Candidate Starts for Fayely_62:
(Start: 47 @39727 has 170 MA's), (126, 39412),

Gene: Fenn_62 Start: 42121, Stop: 41645, Start Num: 32
Candidate Starts for Fenn_62:
(Start: 32 @42121 has 203 MA's), (128, 41794), (146, 41716), (169, 41677),

Gene: Fernando_64 Start: 39621, Stop: 39145, Start Num: 41
Candidate Starts for Fernando_64:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Fibonacci_61 Start: 38911, Stop: 38414, Start Num: 40
Candidate Starts for Fibonacci_61:
(Start: 40 @38911 has 43 MA's), (Start: 65 @38875 has 21 MA's), (Start: 87 @38833 has 3 MA's), (97, 38779), (104, 38740), (117, 38617), (124, 38575), (126, 38563), (162, 38428),

Gene: Fionnbharth_76 Start: 48594, Stop: 49094, Start Num: 52
Candidate Starts for Fionnbharth_76:
(Start: 52 @48594 has 35 MA's), (Start: 69 @48618 has 19 MA's), (Start: 73 @48630 has 34 MA's), (89, 48666), (96, 48702), (97, 48720), (99, 48738), (127, 48951), (133, 48987), (135, 48990), (150, 49059), (163, 49083),

Gene: Firecracker_10 Start: 3502, Stop: 3017, Start Num: 75
Candidate Starts for Firecracker_10:
(Start: 75 @3502 has 31 MA's), (94, 3442), (120, 3229), (121, 3217),

Gene: FiringLine_62 Start: 39902, Stop: 39429, Start Num: 47
Candidate Starts for FiringLine_62:
(Start: 27 @39926 has 1 MA's), (Start: 43 @39908 has 14 MA's), (Start: 47 @39902 has 170 MA's), (98, 39773), (126, 39572),

Gene: First_0064 Start: 40175, Stop: 39702, Start Num: 47
Candidate Starts for First_0064:
(Start: 47 @40175 has 170 MA's), (98, 40046), (126, 39845),

Gene: Flare16_62 Start: 39594, Stop: 39121, Start Num: 47

Candidate Starts for Flare16_62:
(Start: 43 @39600 has 14 MA's), (Start: 47 @39594 has 170 MA's), (98, 39465), (113, 39354), (126, 39264),

Gene: Flaverint_62 Start: 39369, Stop: 38872, Start Num: 40
Candidate Starts for Flaverint_62:
(Start: 40 @39369 has 43 MA's), (Start: 65 @39333 has 21 MA's), (Start: 87 @39291 has 3 MA's), (104, 39198), (117, 39075), (124, 39033), (126, 39021), (162, 38886),

Gene: Florean_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Florean_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: Florence1_54 Start: 39011, Stop: 38553, Start Num: 56
Candidate Starts for Florence1_54:
(Start: 56 @39011 has 27 MA's), (97, 38909), (106, 38849), (130, 38672), (146, 38597), (157, 38567),

Gene: Florence4_56 Start: 39011, Stop: 38553, Start Num: 56
Candidate Starts for Florence4_56:
(Start: 56 @39011 has 27 MA's), (97, 38909), (106, 38849), (130, 38672), (146, 38597), (157, 38567),

Gene: Flux_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Flux_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: FlyCatcher_63 Start: 42286, Stop: 41837, Start Num: 77
Candidate Starts for FlyCatcher_63:
(Start: 77 @42286 has 1 MA's), (82, 42280), (88, 42262), (106, 42151), (122, 41995), (125, 41980), (135, 41923), (136, 41920), (146, 41878), (147, 41869), (151, 41860),

Gene: ForGetIt_59 Start: 39924, Stop: 39466, Start Num: 56
Candidate Starts for ForGetIt_59:
(Start: 56 @39924 has 27 MA's), (97, 39822), (106, 39762), (111, 39726), (130, 39585), (146, 39510), (157, 39480),

Gene: ForesterFrank_59 Start: 40086, Stop: 39613, Start Num: 47
Candidate Starts for ForesterFrank_59:
(Start: 43 @40092 has 14 MA's), (Start: 47 @40086 has 170 MA's), (98, 39957), (126, 39756), (144, 39669),

Gene: Forsytheast_58 Start: 39605, Stop: 39129, Start Num: 32
Candidate Starts for Forsytheast_58:
(Start: 32 @39605 has 203 MA's), (146, 39200), (169, 39161),

Gene: FoulBall_9 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for FoulBall_9:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Francis47_58 Start: 41390, Stop: 40914, Start Num: 32
Candidate Starts for Francis47_58:
(19, 41420), (Start: 32 @41390 has 203 MA's), (146, 40985), (169, 40946),

Gene: Fred313_60 Start: 38975, Stop: 38514, Start Num: 44

Candidate Starts for Fred313_60:
(5, 39137), (8, 39098), (Start: 44 @38975 has 37 MA's), (92, 38891), (104, 38813), (106, 38792), (146, 38543), (151, 38525),

Gene: Froghopper_56 Start: 39110, Stop: 38598, Start Num: 22
Candidate Starts for Froghopper_56:
(Start: 22 @39110 has 2 MA's), (Start: 58 @39077 has 7 MA's), (97, 38972), (128, 38744), (146, 38666),

Gene: Funston_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Funston_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Fushigi_56 Start: 38866, Stop: 38390, Start Num: 32
Candidate Starts for Fushigi_56:
(Start: 32 @38866 has 203 MA's), (146, 38461), (169, 38422),

Gene: GMonster_57 Start: 40315, Stop: 39821, Start Num: 32
Candidate Starts for GMonster_57:
(Start: 32 @40315 has 203 MA's), (55, 40312), (146, 39910), (169, 39871),

Gene: Gadost_58 Start: 38982, Stop: 38512, Start Num: 41
Candidate Starts for Gadost_58:
(Start: 41 @38982 has 207 MA's), (106, 38793),

Gene: GageAP_60 Start: 40954, Stop: 40466, Start Num: 32
Candidate Starts for GageAP_60:
(Start: 32 @40954 has 203 MA's), (97, 40840), (128, 40612), (146, 40534),

Gene: Gaia_88 Start: 51215, Stop: 51658, Start Num: 49
Candidate Starts for Gaia_88:
(Start: 49 @51215 has 3 MA's), (112, 51422), (130, 51533), (133, 51557), (140, 51587), (152, 51632),

Gene: Gail_63 Start: 40699, Stop: 40220, Start Num: 47
Candidate Starts for Gail_63:
(Start: 47 @40699 has 170 MA's), (116, 40429), (126, 40366), (134, 40321),

Gene: Gandalf20_62 Start: 42048, Stop: 41572, Start Num: 32
Candidate Starts for Gandalf20_62:
(Start: 32 @42048 has 203 MA's), (128, 41721), (146, 41643), (169, 41604),

Gene: Garak_65 Start: 39067, Stop: 38564, Start Num: 47
Candidate Starts for Garak_65:
(Start: 47 @39067 has 170 MA's), (Start: 51 @39064 has 20 MA's), (126, 38740),

Gene: GaugeLDP_59 Start: 39772, Stop: 39320, Start Num: 67
Candidate Starts for GaugeLDP_59:
(24, 39835), (54, 39793), (Start: 63 @39778 has 1 MA's), (Start: 67 @39772 has 3 MA's), (126, 39469), (136, 39418), (144, 39382),

Gene: Geeche_132 Start: 73466, Stop: 73909, Start Num: 76
Candidate Starts for Geeche_132:

(Start: 62 @73439 has 3 MA's), (Start: 76 @73466 has 11 MA's), (Start: 78 @73469 has 3 MA's), (128, 73787), (146, 73865),

Gene: Gemma_63 Start: 39503, Stop: 39027, Start Num: 41
Candidate Starts for Gemma_63:
(Start: 41 @39503 has 207 MA's), (139, 39089), (144, 39071), (156, 39038),

Gene: George_55 Start: 39399, Stop: 38935, Start Num: 53
Candidate Starts for George_55:
(Start: 43 @39414 has 14 MA's), (Start: 53 @39399 has 40 MA's), (97, 39291), (106, 39231), (130, 39054), (146, 38979), (157, 38949),

Gene: Georgie2_63 Start: 39947, Stop: 39474, Start Num: 47
Candidate Starts for Georgie2_63:
(Start: 27 @39971 has 1 MA's), (Start: 43 @39953 has 14 MA's), (Start: 47 @39947 has 170 MA's), (98, 39818), (126, 39617),

Gene: Ghoulboy_60 Start: 40367, Stop: 39903, Start Num: 53
Candidate Starts for Ghoulboy_60:
(Start: 43 @40382 has 14 MA's), (Start: 53 @40367 has 40 MA's), (97, 40259), (106, 40199), (130, 40022), (136, 39989), (146, 39947), (157, 39917),

Gene: Gilberta_62 Start: 39326, Stop: 38865, Start Num: 65
Candidate Starts for Gilberta_62:
(Start: 40 @39362 has 43 MA's), (Start: 65 @39326 has 21 MA's), (Start: 87 @39284 has 3 MA's), (104, 39191), (117, 39068), (124, 39026), (126, 39014), (162, 38879),

Gene: GingkoMaracino_64 Start: 39507, Stop: 39031, Start Num: 41
Candidate Starts for GingkoMaracino_64:
(Start: 35 @39513 has 25 MA's), (Start: 41 @39507 has 207 MA's), (Start: 87 @39432 has 3 MA's), (144, 39075), (156, 39042),

Gene: Giroux_63 Start: 39378, Stop: 38920, Start Num: 44
Candidate Starts for Giroux_63:
(5, 39540), (8, 39501), (Start: 44 @39378 has 37 MA's), (91, 39300), (92, 39297), (106, 39198), (146, 38949), (151, 38931),

Gene: Gladiator_61 Start: 38292, Stop: 37789, Start Num: 47
Candidate Starts for Gladiator_61:
(Start: 47 @38292 has 170 MA's), (Start: 51 @38289 has 20 MA's), (126, 37965),

Gene: Gollum_51 Start: 36797, Stop: 36357, Start Num: 73
Candidate Starts for Gollum_51:
(Start: 73 @36797 has 34 MA's), (99, 36695), (122, 36518), (128, 36479), (130, 36476), (131, 36467), (146, 36401),

Gene: Gompeii16_59 Start: 42474, Stop: 41980, Start Num: 32
Candidate Starts for Gompeii16_59:
(Start: 32 @42474 has 203 MA's), (146, 42069), (169, 42030),

Gene: Goose_59 Start: 38698, Stop: 38213, Start Num: 40
Candidate Starts for Goose_59:
(Start: 40 @38698 has 43 MA's), (106, 38506), (149, 38242), (151, 38239), (157, 38227),

Gene: Goose1D_54 Start: 35465, Stop: 35004, Start Num: 44
Candidate Starts for Goose1D_54:
(5, 35627), (8, 35588), (Start: 44 @35465 has 37 MA's), (92, 35381), (104, 35303), (106, 35282), (146, 35033), (151, 35015),

Gene: Goose1X_60 Start: 38607, Stop: 38146, Start Num: 44
Candidate Starts for Goose1X_60:
(5, 38769), (8, 38730), (Start: 44 @38607 has 37 MA's), (92, 38523), (104, 38445), (106, 38424), (146, 38175), (151, 38157),

Gene: Graduation_63 Start: 41787, Stop: 41299, Start Num: 32
Candidate Starts for Graduation_63:
(Start: 32 @41787 has 203 MA's), (97, 41673), (125, 41466), (128, 41445), (146, 41367),

Gene: Gratitude_62 Start: 39838, Stop: 39365, Start Num: 47
Candidate Starts for Gratitude_62:
(Start: 43 @39844 has 14 MA's), (Start: 47 @39838 has 170 MA's), (98, 39709), (126, 39508),

Gene: GrecoEtereo_59 Start: 39952, Stop: 39476, Start Num: 32
Candidate Starts for GrecoEtereo_59:
(Start: 32 @39952 has 203 MA's), (55, 39949), (146, 39547), (169, 39508),

Gene: GreedyLawyer_61 Start: 38583, Stop: 38080, Start Num: 47
Candidate Starts for GreedyLawyer_61:
(Start: 47 @38583 has 170 MA's), (Start: 51 @38580 has 20 MA's), (126, 38256),

Gene: Greg_60 Start: 40184, Stop: 39717, Start Num: 32
Candidate Starts for Greg_60:
(25, 40196), (Start: 32 @40184 has 203 MA's), (85, 40136), (99, 40076), (103, 40058), (125, 39887), (128, 39866), (146, 39788), (169, 39749),

Gene: Grif_64 Start: 39696, Stop: 39220, Start Num: 41
Candidate Starts for Grif_64:
(Start: 35 @39702 has 25 MA's), (Start: 41 @39696 has 207 MA's), (Start: 87 @39621 has 3 MA's), (144, 39264), (156, 39231),

Gene: GroundGoblin_58 Start: 40575, Stop: 40099, Start Num: 32
Candidate Starts for GroundGoblin_58:
(Start: 32 @40575 has 203 MA's), (146, 40170), (169, 40131),

Gene: Groundhog_63 Start: 39470, Stop: 38982, Start Num: 56
Candidate Starts for Groundhog_63:
(Start: 56 @39470 has 27 MA's), (97, 39368), (106, 39308), (130, 39104), (146, 39029),

Gene: Groupthink_65 Start: 39507, Stop: 39031, Start Num: 41
Candidate Starts for Groupthink_65:
(Start: 41 @39507 has 207 MA's), (139, 39093), (144, 39075), (156, 39042),

Gene: Grub_64 Start: 39619, Stop: 39137, Start Num: 35
Candidate Starts for Grub_64:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: Grum1_64 Start: 39627, Stop: 39145, Start Num: 35
Candidate Starts for Grum1_64:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Gruunaga_64 Start: 38991, Stop: 38488, Start Num: 47
Candidate Starts for Gruunaga_64:
(Start: 47 @38991 has 170 MA's), (Start: 51 @38988 has 20 MA's), (126, 38664),

Gene: GtownJaz_64 Start: 39623, Stop: 39147, Start Num: 41
Candidate Starts for GtownJaz_64:
(Start: 35 @39629 has 25 MA's), (Start: 41 @39623 has 207 MA's), (Start: 87 @39548 has 3 MA's), (144, 39191), (156, 39158),

Gene: Gwendoluna_62 Start: 42304, Stop: 41837, Start Num: 32
Candidate Starts for Gwendoluna_62:
(Start: 32 @42304 has 203 MA's), (85, 42256), (99, 42196), (103, 42178), (125, 42007), (128, 41986), (146, 41908), (169, 41869),

Gene: Gwennie_64 Start: 39625, Stop: 39149, Start Num: 41
Candidate Starts for Gwennie_64:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Gyzlar_55 Start: 38257, Stop: 37790, Start Num: 32
Candidate Starts for Gyzlar_55:
(Start: 32 @38257 has 203 MA's), (85, 38209), (99, 38149), (103, 38131), (125, 37960), (128, 37939), (146, 37861), (169, 37822),

Gene: HINdeR_55 Start: 41083, Stop: 40607, Start Num: 43
Candidate Starts for HINdeR_55:
(Start: 43 @41083 has 14 MA's), (Start: 87 @41011 has 3 MA's), (104, 40918), (125, 40750), (131, 40714), (146, 40648), (149, 40633), (151, 40630),

Gene: Halley_132 Start: 72096, Stop: 72572, Start Num: 52
Candidate Starts for Halley_132:
(Start: 52 @72096 has 35 MA's), (122, 72414), (123, 72417), (128, 72453), (144, 72525), (149, 72546),

Gene: HamSlice_56 Start: 38976, Stop: 38506, Start Num: 41
Candidate Starts for HamSlice_56:
(Start: 41 @38976 has 207 MA's), (106, 38787),

Gene: Hami1_55 Start: 36576, Stop: 36082, Start Num: 53
Candidate Starts for Hami1_55:
(Start: 53 @36576 has 40 MA's), (146, 36171), (169, 36132),

Gene: Hammer_64 Start: 38595, Stop: 38095, Start Num: 51
Candidate Starts for Hammer_64:
(Start: 47 @38598 has 170 MA's), (Start: 51 @38595 has 20 MA's), (126, 38271),

Gene: HanShotFirst_61 Start: 42461, Stop: 41967, Start Num: 32
Candidate Starts for HanShotFirst_61:

(Start: 32 @42461 has 203 MA's), (146, 42056), (169, 42017),

Gene: Hanray_64 Start: 40090, Stop: 39626, Start Num: 47
Candidate Starts for Hanray_64:
(Start: 47 @40090 has 170 MA's), (118, 39823), (123, 39796), (126, 39775), (144, 39688),

Gene: Happiness_57 Start: 38964, Stop: 38494, Start Num: 41
Candidate Starts for Happiness_57:
(21, 38997), (Start: 41 @38964 has 207 MA's), (106, 38775), (151, 38508),

Gene: Harella_20 Start: 12950, Stop: 13465, Start Num: 46
Candidate Starts for Harella_20:
(Start: 46 @12950 has 19 MA's), (Start: 75 @12995 has 31 MA's), (119, 13247), (136, 13343),

Gene: Harlequin_50 Start: 36583, Stop: 36143, Start Num: 73
Candidate Starts for Harlequin_50:
(Start: 73 @36583 has 34 MA's), (99, 36481), (122, 36304), (128, 36265), (130, 36262), (131, 36253), (146, 36187),

Gene: HarryHoudini_63 Start: 40037, Stop: 39558, Start Num: 47
Candidate Starts for HarryHoudini_63:
(Start: 43 @40043 has 14 MA's), (Start: 47 @40037 has 170 MA's), (98, 39908), (126, 39707), (162, 39572),

Gene: HarryOW_59 Start: 40618, Stop: 40124, Start Num: 32
Candidate Starts for HarryOW_59:
(Start: 32 @40618 has 203 MA's), (146, 40213), (169, 40174),

Gene: HashRod_65 Start: 39649, Stop: 39173, Start Num: 41
Candidate Starts for HashRod_65:
(Start: 35 @39655 has 25 MA's), (Start: 41 @39649 has 207 MA's), (Start: 87 @39574 has 3 MA's), (144, 39217), (156, 39184),

Gene: HaveUMetTed_65 Start: 39492, Stop: 39016, Start Num: 41
Candidate Starts for HaveUMetTed_65:
(Start: 41 @39492 has 207 MA's), (139, 39078), (144, 39060), (156, 39027),

Gene: Heathen_61 Start: 39073, Stop: 38612, Start Num: 44
Candidate Starts for Heathen_61:
(5, 39235), (8, 39196), (Start: 44 @39073 has 37 MA's), (92, 38989), (104, 38911), (106, 38890), (146, 38641), (151, 38623),

Gene: Heffalump_61 Start: 40720, Stop: 40247, Start Num: 47
Candidate Starts for Heffalump_61:
(Start: 27 @40744 has 1 MA's), (Start: 43 @40726 has 14 MA's), (Start: 47 @40720 has 170 MA's), (98, 40591), (126, 40390),

Gene: HelDan_61 Start: 39289, Stop: 38828, Start Num: 44
Candidate Starts for HelDan_61:
(5, 39451), (8, 39412), (Start: 44 @39289 has 37 MA's), (92, 39205), (104, 39127), (106, 39106), (146, 38857), (151, 38839),

Gene: Heliosoles_63 Start: 39510, Stop: 39034, Start Num: 41

Candidate Starts for Heliosoles_63:
(Start: 41 @39510 has 207 MA's), (139, 39096), (144, 39078), (156, 39045),

Gene: Helmet_66 Start: 39067, Stop: 38564, Start Num: 47
Candidate Starts for Helmet_66:
(Start: 47 @39067 has 170 MA's), (Start: 51 @39064 has 20 MA's), (126, 38740),

Gene: Herbertwm_59 Start: 39513, Stop: 39046, Start Num: 48
Candidate Starts for Herbertwm_59:
(Start: 48 @39513 has 1 MA's), (126, 39195),

Gene: Hercules11_64 Start: 39630, Stop: 39154, Start Num: 41
Candidate Starts for Hercules11_64:
(Start: 35 @39636 has 25 MA's), (Start: 41 @39630 has 207 MA's), (Start: 87 @39555 has 3 MA's), (144, 39198), (156, 39165),

Gene: Hermia_59 Start: 40625, Stop: 40149, Start Num: 32
Candidate Starts for Hermia_59:
(Start: 32 @40625 has 203 MA's), (146, 40220), (169, 40181),

Gene: HermioneGrange_61 Start: 41528, Stop: 41019, Start Num: 32
Candidate Starts for HermioneGrange_61:
(Start: 32 @41528 has 203 MA's), (97, 41414), (128, 41186), (146, 41108), (169, 41069),

Gene: Hexamo_64 Start: 38697, Stop: 38194, Start Num: 47
Candidate Starts for Hexamo_64:
(Start: 47 @38697 has 170 MA's), (Start: 51 @38694 has 20 MA's), (126, 38370),

Gene: Hidrated_113 Start: 68365, Stop: 68841, Start Num: 52
Candidate Starts for Hidrated_113:
(Start: 52 @68365 has 35 MA's), (122, 68683), (123, 68686), (128, 68722), (144, 68794), (149, 68815),

Gene: HippoHollow_62 Start: 41345, Stop: 40872, Start Num: 47
Candidate Starts for HippoHollow_62:
(Start: 47 @41345 has 170 MA's), (126, 41015),

Gene: Hiro_51 Start: 37059, Stop: 36619, Start Num: 73
Candidate Starts for Hiro_51:
(Start: 73 @37059 has 34 MA's), (99, 36957), (122, 36780), (128, 36741), (130, 36738), (131, 36729), (146, 36663),

Gene: HokkenD_120 Start: 70459, Stop: 70935, Start Num: 52
Candidate Starts for HokkenD_120:
(25, 70414), (Start: 52 @70459 has 35 MA's), (122, 70777), (123, 70780), (128, 70816), (144, 70888), (149, 70909),

Gene: Holex_64 Start: 40106, Stop: 39642, Start Num: 47
Candidate Starts for Holex_64:
(Start: 47 @40106 has 170 MA's), (118, 39839), (123, 39812), (126, 39791), (144, 39704),

Gene: Holli_57 Start: 38768, Stop: 38298, Start Num: 41
Candidate Starts for Holli_57:
(Start: 41 @38768 has 207 MA's), (106, 38579),

Gene: Homines_51 Start: 36156, Stop: 35689, Start Num: 32
Candidate Starts for Homines_51:
(Start: 32 @36156 has 203 MA's), (128, 35835), (146, 35757),

Gene: Hookmount_60 Start: 39339, Stop: 38881, Start Num: 44
Candidate Starts for Hookmount_60:
(Start: 44 @39339 has 37 MA's), (91, 39261), (92, 39258), (106, 39159), (123, 39024), (144, 38916), (151, 38892),

Gene: Hoot_58 Start: 36431, Stop: 35931, Start Num: 51
Candidate Starts for Hoot_58:
(Start: 47 @36434 has 170 MA's), (Start: 51 @36431 has 20 MA's), (126, 36107),

Gene: Hope4ever_61 Start: 40934, Stop: 40458, Start Num: 32
Candidate Starts for Hope4ever_61:
(Start: 32 @40934 has 203 MA's), (146, 40529), (169, 40490),

Gene: Hopey_23 Start: 13092, Stop: 13607, Start Num: 46
Candidate Starts for Hopey_23:
(Start: 46 @13092 has 19 MA's), (Start: 75 @13137 has 31 MA's), (119, 13389), (136, 13485),

Gene: HortumSL17_64 Start: 40037, Stop: 39573, Start Num: 47
Candidate Starts for HortumSL17_64:
(Start: 47 @40037 has 170 MA's), (118, 39770), (123, 39743), (126, 39722), (144, 39635),

Gene: Houdini22_58 Start: 38982, Stop: 38512, Start Num: 41
Candidate Starts for Houdini22_58:
(Start: 41 @38982 has 207 MA's), (106, 38793),

Gene: HufflyPuff_20 Start: 12799, Stop: 13314, Start Num: 46
Candidate Starts for HufflyPuff_20:
(Start: 46 @12799 has 19 MA's), (Start: 75 @12844 has 31 MA's), (119, 13096), (136, 13192),

Gene: Hughesyang_130 Start: 71821, Stop: 72297, Start Num: 52
Candidate Starts for Hughesyang_130:
(25, 71776), (Start: 52 @71821 has 35 MA's), (122, 72139), (123, 72142), (128, 72178), (144, 72250), (149, 72271),

Gene: HuhtaEnerson15_57 Start: 39393, Stop: 38935, Start Num: 56
Candidate Starts for HuhtaEnerson15_57:
(Start: 56 @39393 has 27 MA's), (97, 39291), (106, 39231), (130, 39054), (146, 38979), (157, 38949),

Gene: Hutc2_60 Start: 38911, Stop: 38414, Start Num: 40
Candidate Starts for Hutc2_60:
(Start: 40 @38911 has 43 MA's), (Start: 65 @38875 has 21 MA's), (Start: 87 @38833 has 3 MA's), (97, 38779), (104, 38740), (117, 38617), (124, 38575), (126, 38563), (162, 38428),

Gene: Huxley_57 Start: 39039, Stop: 38569, Start Num: 41
Candidate Starts for Huxley_57:
(Start: 20 @39075 has 1 MA's), (Start: 41 @39039 has 207 MA's), (106, 38850),

Gene: ICleared_58 Start: 39007, Stop: 38537, Start Num: 41

Candidate Starts for ICleared_58:
(Start: 41 @39007 has 207 MA's), (106, 38818),

Gene: ILeeKay_62 Start: 40792, Stop: 40316, Start Num: 53
Candidate Starts for ILeeKay_62:
(Start: 53 @40792 has 40 MA's), (146, 40387), (169, 40348),

Gene: Iceman_58 Start: 39264, Stop: 38794, Start Num: 41
Candidate Starts for Iceman_58:
(Start: 41 @39264 has 207 MA's), (106, 39075),

Gene: Ichabod_63 Start: 41655, Stop: 41167, Start Num: 32
Candidate Starts for Ichabod_63:
(Start: 32 @41655 has 203 MA's), (97, 41541), (128, 41313), (146, 41235), (170, 41172),

Gene: Idergollasper_9 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for Idergollasper_9:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Idleandcovert_61 Start: 39379, Stop: 38921, Start Num: 44
Candidate Starts for Idleandcovert_61:
(5, 39541), (8, 39502), (Start: 44 @39379 has 37 MA's), (91, 39301), (92, 39298), (106, 39199), (146, 38950), (151, 38932),

Gene: Imara_10 Start: 3502, Stop: 3017, Start Num: 75
Candidate Starts for Imara_10:
(Start: 75 @3502 has 31 MA's), (94, 3442), (120, 3229), (121, 3217),

Gene: Imbriano_65 Start: 38983, Stop: 38480, Start Num: 47
Candidate Starts for Imbriano_65:
(Start: 47 @38983 has 170 MA's), (Start: 51 @38980 has 20 MA's), (126, 38656),

Gene: Indra_67 Start: 39068, Stop: 38565, Start Num: 47
Candidate Starts for Indra_67:
(Start: 47 @39068 has 170 MA's), (Start: 51 @39065 has 20 MA's), (126, 38741),

Gene: Insomnia_62 Start: 39422, Stop: 38925, Start Num: 40
Candidate Starts for Insomnia_62:
(Start: 40 @39422 has 43 MA's), (Start: 65 @39386 has 21 MA's), (Start: 87 @39344 has 3 MA's), (97, 39290), (104, 39251), (117, 39128), (124, 39086), (126, 39074), (162, 38939),

Gene: Inyanga_55 Start: 40292, Stop: 39798, Start Num: 32
Candidate Starts for Inyanga_55:
(Start: 32 @40292 has 203 MA's), (146, 39887), (169, 39848),

Gene: Iqorha_55 Start: 40291, Stop: 39797, Start Num: 32
Candidate Starts for Iqorha_55:
(Start: 32 @40291 has 203 MA's), (146, 39886), (169, 39847),

Gene: Iracema64_59 Start: 39242, Stop: 38772, Start Num: 41
Candidate Starts for Iracema64_59:
(Start: 41 @39242 has 207 MA's), (106, 39053),

Gene: IronMan_61 Start: 40727, Stop: 40263, Start Num: 47
Candidate Starts for IronMan_61:
(Start: 43 @40733 has 14 MA's), (Start: 47 @40727 has 170 MA's), (126, 40412),

Gene: Isca_60 Start: 38838, Stop: 38380, Start Num: 44
Candidate Starts for Isca_60:
(Start: 44 @38838 has 37 MA's), (91, 38760), (92, 38757), (104, 38679), (106, 38658), (131, 38475), (146, 38409), (151, 38391),

Gene: Isiphiwo_61 Start: 38147, Stop: 37647, Start Num: 51
Candidate Starts for Isiphiwo_61:
(Start: 47 @38150 has 170 MA's), (Start: 51 @38147 has 20 MA's), (126, 37823),

Gene: Iwokeuplikedis_64 Start: 39742, Stop: 39266, Start Num: 47
Candidate Starts for Iwokeuplikedis_64:
(Start: 43 @39748 has 14 MA's), (Start: 47 @39742 has 170 MA's), (98, 39610), (126, 39409), (144, 39322), (160, 39277),

Gene: JC27_62 Start: 40972, Stop: 40499, Start Num: 32
Candidate Starts for JC27_62:
(Start: 32 @40972 has 203 MA's), (146, 40567), (169, 40528),

Gene: JF1_76 Start: 48583, Stop: 49059, Start Num: 69
Candidate Starts for JF1_76:
(Start: 52 @48559 has 35 MA's), (Start: 69 @48583 has 19 MA's), (Start: 73 @48595 has 34 MA's), (89, 48631), (96, 48667), (97, 48685), (99, 48703), (117, 48847), (118, 48853), (127, 48916), (133, 48952), (135, 48955), (150, 49024), (163, 49048),

Gene: JF2_59 Start: 37539, Stop: 37081, Start Num: 44
Candidate Starts for JF2_59:
(Start: 44 @37539 has 37 MA's), (91, 37461), (92, 37458), (104, 37380), (106, 37359), (131, 37176), (146, 37110), (151, 37092),

Gene: JF4_59 Start: 37539, Stop: 37081, Start Num: 44
Candidate Starts for JF4_59:
(Start: 44 @37539 has 37 MA's), (91, 37461), (92, 37458), (104, 37380), (106, 37359), (131, 37176), (146, 37110), (151, 37092),

Gene: JHC117_62 Start: 39620, Stop: 39144, Start Num: 41
Candidate Starts for JHC117_62:
(Start: 35 @39626 has 25 MA's), (Start: 41 @39620 has 207 MA's), (Start: 87 @39545 has 3 MA's), (144, 39188), (156, 39155),

Gene: Jaan_62 Start: 40899, Stop: 40423, Start Num: 47
Candidate Starts for Jaan_62:
(Start: 43 @40905 has 14 MA's), (Start: 47 @40899 has 170 MA's), (98, 40773), (126, 40572),

Gene: Jabiru_60 Start: 39948, Stop: 39484, Start Num: 53
Candidate Starts for Jabiru_60:
(Start: 43 @39963 has 14 MA's), (Start: 53 @39948 has 40 MA's), (97, 39840), (106, 39780), (130, 39603), (157, 39498),

Gene: Jabith_62 Start: 39423, Stop: 38926, Start Num: 40

Candidate Starts for Jabith_62:
(Start: 40 @39423 has 43 MA's), (Start: 65 @39387 has 21 MA's), (Start: 87 @39345 has 3 MA's), (97, 39291), (104, 39252), (117, 39129), (124, 39087), (126, 39075), (162, 38940),

Gene: JackSparrow_62 Start: 40844, Stop: 40368, Start Num: 32
Candidate Starts for JackSparrow_62:
(Start: 32 @40844 has 203 MA's), (146, 40439), (169, 40400),

Gene: JangDynasty_9 Start: 3240, Stop: 2755, Start Num: 75
Candidate Starts for JangDynasty_9:
(Start: 75 @3240 has 31 MA's), (94, 3180), (120, 2967), (121, 2955), (158, 2796),

Gene: Jasper_60 Start: 39501, Stop: 39013, Start Num: 32
Candidate Starts for Jasper_60:
(Start: 32 @39501 has 203 MA's), (97, 39387), (128, 39159), (146, 39081),

Gene: Jaykayelowell_56 Start: 38971, Stop: 38501, Start Num: 41
Candidate Starts for Jaykayelowell_56:
(Start: 41 @38971 has 207 MA's), (106, 38782),

Gene: Jeeves_65 Start: 39660, Stop: 39199, Start Num: 63
Candidate Starts for Jeeves_65:
(Start: 27 @39705 has 1 MA's), (Start: 47 @39681 has 170 MA's), (Start: 63 @39660 has 1 MA's), (116, 39408), (126, 39345), (134, 39300),

Gene: Jeffabunny_64 Start: 38694, Stop: 38191, Start Num: 47
Candidate Starts for Jeffabunny_64:
(Start: 47 @38694 has 170 MA's), (Start: 51 @38691 has 20 MA's), (126, 38367),

Gene: JenCasNa_65 Start: 39627, Stop: 39145, Start Num: 35
Candidate Starts for JenCasNa_65:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: JeppNRM_65 Start: 39508, Stop: 39032, Start Num: 41
Candidate Starts for JeppNRM_65:
(Start: 41 @39508 has 207 MA's), (139, 39094), (144, 39076), (156, 39043),

Gene: Jerm_64 Start: 40334, Stop: 39837, Start Num: 27
Candidate Starts for Jerm_64:
(Start: 27 @40334 has 1 MA's), (Start: 43 @40316 has 14 MA's), (Start: 47 @40310 has 170 MA's), (98, 40181), (126, 39980),

Gene: Jerm2_61 Start: 41783, Stop: 41274, Start Num: 32
Candidate Starts for Jerm2_61:
(Start: 32 @41783 has 203 MA's), (97, 41669), (128, 41441), (146, 41363), (169, 41324),

Gene: Jester_50 Start: 36514, Stop: 36074, Start Num: 73
Candidate Starts for Jester_50:
(Start: 73 @36514 has 34 MA's), (99, 36412), (122, 36235), (128, 36196), (130, 36193), (131, 36184), (146, 36118),

Gene: JetBlade_58 Start: 38972, Stop: 38502, Start Num: 41

Candidate Starts for JetBlade_58:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: JewelBug_63 Start: 38855, Stop: 38352, Start Num: 47
Candidate Starts for JewelBug_63:
(Start: 47 @38855 has 170 MA's), (Start: 51 @38852 has 20 MA's), (126, 38528),

Gene: Jflix2_97 Start: 55540, Stop: 56004, Start Num: 61
Candidate Starts for Jflix2_97:
(Start: 61 @55540 has 4 MA's), (86, 55591), (97, 55654), (127, 55858), (132, 55891), (133, 55894), (144, 55939),

Gene: Jiawan_64 Start: 40122, Stop: 39658, Start Num: 47
Candidate Starts for Jiawan_64:
(Start: 47 @40122 has 170 MA's), (118, 39855), (123, 39828), (126, 39807), (144, 39720),

Gene: Jobu08_62 Start: 39459, Stop: 38977, Start Num: 35
Candidate Starts for Jobu08_62:
(Start: 35 @39459 has 25 MA's), (Start: 41 @39453 has 207 MA's), (Start: 87 @39378 has 3 MA's), (144, 39021), (156, 38988),

Gene: JonJames_144 Start: 81140, Stop: 81580, Start Num: 76
Candidate Starts for JonJames_144:
(Start: 76 @81140 has 11 MA's), (107, 81287), (118, 81389), (128, 81461), (130, 81464), (146, 81539), (147, 81548), (159, 81575),

Gene: JoongJeon_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for JoongJeon_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Jordennis_62 Start: 38336, Stop: 37833, Start Num: 47
Candidate Starts for Jordennis_62:
(Start: 47 @38336 has 170 MA's), (Start: 51 @38333 has 20 MA's), (126, 38009),

Gene: Jorgensen_60 Start: 40253, Stop: 39777, Start Num: 32
Candidate Starts for Jorgensen_60:
(Start: 32 @40253 has 203 MA's), (146, 39848), (169, 39809),

Gene: Joselito_62 Start: 39371, Stop: 38874, Start Num: 40
Candidate Starts for Joselito_62:
(Start: 40 @39371 has 43 MA's), (Start: 65 @39335 has 21 MA's), (Start: 87 @39293 has 3 MA's), (97, 39239), (104, 39200), (117, 39077), (124, 39035), (126, 39023), (162, 38888),

Gene: JoshKayV_64 Start: 40374, Stop: 39901, Start Num: 47
Candidate Starts for JoshKayV_64:
(Start: 27 @40398 has 1 MA's), (Start: 43 @40380 has 14 MA's), (Start: 47 @40374 has 170 MA's), (98, 40245), (126, 40044),

Gene: Journey13_56 Start: 38287, Stop: 37796, Start Num: 41
Candidate Starts for Journey13_56:
(Start: 41 @38287 has 207 MA's), (126, 37945),

Gene: Jovo_59 Start: 40180, Stop: 39722, Start Num: 56

Candidate Starts for Jovo_59:
(Start: 56 @40180 has 27 MA's), (97, 40078), (106, 40018), (111, 39982), (130, 39841), (146, 39766), (157, 39736),

Gene: Jsquared_62 Start: 39264, Stop: 38770, Start Num: 40
Candidate Starts for Jsquared_62:
(Start: 40 @39264 has 43 MA's), (Start: 65 @39228 has 21 MA's), (101, 39108), (126, 38916), (141, 38844),

Gene: JuicyJay_127 Start: 73333, Stop: 73812, Start Num: 52
Candidate Starts for JuicyJay_127:
(Start: 52 @73333 has 35 MA's), (112, 73576), (117, 73618), (127, 73675), (133, 73711),

Gene: JuliaChild_61 Start: 41268, Stop: 40759, Start Num: 32
Candidate Starts for JuliaChild_61:
(Start: 32 @41268 has 203 MA's), (97, 41154), (128, 40926), (146, 40848), (169, 40809),

Gene: Juliette_78 Start: 48681, Stop: 49157, Start Num: 69
Candidate Starts for Juliette_78:
(Start: 52 @48657 has 35 MA's), (Start: 69 @48681 has 19 MA's), (Start: 73 @48693 has 34 MA's), (89, 48729), (96, 48765), (97, 48783), (99, 48801), (117, 48945), (118, 48951), (127, 49014), (133, 49050), (135, 49053), (150, 49122), (163, 49146),

Gene: Junimo_56 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Junimo_56:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: KADY_64 Start: 39655, Stop: 39173, Start Num: 35
Candidate Starts for KADY_64:
(Start: 35 @39655 has 25 MA's), (Start: 41 @39649 has 207 MA's), (144, 39217), (156, 39184),

Gene: KBG_60 Start: 42235, Stop: 41759, Start Num: 53
Candidate Starts for KBG_60:
(Start: 53 @42235 has 40 MA's), (146, 41830), (169, 41791),

Gene: KFPoly_57 Start: 38972, Stop: 38502, Start Num: 41
Candidate Starts for KFPoly_57:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: KSSJEB_59 Start: 39920, Stop: 39441, Start Num: 58
Candidate Starts for KSSJEB_59:
(Start: 22 @39953 has 2 MA's), (Start: 58 @39920 has 7 MA's), (97, 39815), (128, 39587), (146, 39509),

Gene: Kachowdy_61 Start: 39325, Stop: 38864, Start Num: 44
Candidate Starts for Kachowdy_61:
(5, 39487), (8, 39448), (Start: 44 @39325 has 37 MA's), (92, 39241), (104, 39163), (106, 39142), (146, 38893), (151, 38875),

Gene: Kalah2_121 Start: 70627, Stop: 71103, Start Num: 52
Candidate Starts for Kalah2_121:
(Start: 52 @70627 has 35 MA's), (122, 70945), (123, 70948), (128, 70984), (144, 71056), (149, 71077),

Gene: Kalb97_65 Start: 39506, Stop: 39030, Start Num: 41
Candidate Starts for Kalb97_65:
(Start: 41 @39506 has 207 MA's), (139, 39092), (144, 39074), (156, 39041),

Gene: Kalnoky_65 Start: 39504, Stop: 39028, Start Num: 41
Candidate Starts for Kalnoky_65:
(Start: 41 @39504 has 207 MA's), (139, 39090), (144, 39072), (156, 39039),

Gene: Kalpine_60 Start: 40011, Stop: 39547, Start Num: 47
Candidate Starts for Kalpine_60:
(Start: 43 @40017 has 14 MA's), (Start: 47 @40011 has 170 MA's), (126, 39690),

Gene: Kampy_57 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Kampy_57:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Kanely_61 Start: 40832, Stop: 40356, Start Num: 32
Candidate Starts for Kanely_61:
(12, 40886), (Start: 32 @40832 has 203 MA's), (146, 40427), (169, 40388),

Gene: KashFlow_124 Start: 68762, Stop: 69262, Start Num: 30
Candidate Starts for KashFlow_124:
(17, 68726), (Start: 30 @68762 has 3 MA's), (104, 68948), (117, 69071), (131, 69149), (133, 69164), (137, 69185), (142, 69203),

Gene: Katalie136_56 Start: 38803, Stop: 38333, Start Num: 41
Candidate Starts for Katalie136_56:
(36, 38809), (Start: 41 @38803 has 207 MA's), (106, 38614), (151, 38347),

Gene: KatherineG_70 Start: 40208, Stop: 39750, Start Num: 43
Candidate Starts for KatherineG_70:
(31, 40226), (Start: 43 @40208 has 14 MA's), (95, 40118), (122, 39908), (147, 39782), (156, 39764),

Gene: Kazan_64 Start: 38589, Stop: 38086, Start Num: 47
Candidate Starts for Kazan_64:
(Start: 47 @38589 has 170 MA's), (Start: 51 @38586 has 20 MA's), (126, 38262),

Gene: Keelan_108 Start: 53763, Stop: 54188, Start Num: 42
Candidate Starts for Keelan_108:
(39, 53757), (Start: 42 @53763 has 1 MA's), (123, 54063), (140, 54132), (153, 54180),

Gene: KekoraPapaka_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for KekoraPapaka_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Kenmech_64 Start: 42479, Stop: 42003, Start Num: 32
Candidate Starts for Kenmech_64:
(Start: 32 @42479 has 203 MA's), (146, 42074), (169, 42035),

Gene: Kerberos_63 Start: 39533, Stop: 39114, Start Num: 87
Candidate Starts for Kerberos_63:
(Start: 34 @39611 has 3 MA's), (Start: 65 @39575 has 21 MA's), (Start: 87 @39533 has 3 MA's), (91, 39521), (126, 39263), (134, 39218),

Gene: Keziacharles14_63 Start: 41109, Stop: 40636, Start Num: 47
Candidate Starts for Keziacharles14_63:
(Start: 47 @41109 has 170 MA's), (122, 40809), (126, 40785), (146, 40692),

Gene: KikiBouba_59 Start: 40434, Stop: 39958, Start Num: 32
Candidate Starts for KikiBouba_59:
(Start: 32 @40434 has 203 MA's), (146, 40029), (169, 39990),

Gene: Killigrew_59 Start: 41027, Stop: 40536, Start Num: 32
Candidate Starts for Killigrew_59:
(Start: 32 @41027 has 203 MA's), (146, 40622), (169, 40583),

Gene: Kimba_61 Start: 38907, Stop: 38446, Start Num: 65
Candidate Starts for Kimba_61:
(Start: 40 @38943 has 43 MA's), (Start: 65 @38907 has 21 MA's), (Start: 87 @38865 has 3 MA's), (97, 38811), (104, 38772), (117, 38649), (124, 38607), (126, 38595), (162, 38460),

Gene: Kimona_56 Start: 37464, Stop: 36982, Start Num: 40
Candidate Starts for Kimona_56:
(2, 38073), (13, 37527), (Start: 40 @37464 has 43 MA's), (Start: 53 @37443 has 40 MA's), (105, 37275), (106, 37272), (107, 37266), (124, 37128),

Gene: KingCyrus_63 Start: 41500, Stop: 41027, Start Num: 47
Candidate Starts for KingCyrus_63:
(Start: 47 @41500 has 170 MA's), (126, 41170),

Gene: KingPhillip3_9 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for KingPhillip3_9:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Kingmustik0402_58 Start: 38967, Stop: 38497, Start Num: 41
Candidate Starts for Kingmustik0402_58:
(Start: 41 @38967 has 207 MA's), (106, 38778),

Gene: Kinmap_59 Start: 38374, Stop: 37898, Start Num: 47
Candidate Starts for Kinmap_59:
(Start: 47 @38374 has 170 MA's), (98, 38242), (116, 38104), (126, 38041),

Gene: Kipper29_63 Start: 38602, Stop: 38099, Start Num: 47
Candidate Starts for Kipper29_63:
(Start: 47 @38602 has 170 MA's), (Start: 51 @38599 has 20 MA's), (126, 38275),

Gene: KittenMittens_56 Start: 38137, Stop: 37652, Start Num: 40
Candidate Starts for KittenMittens_56:
(11, 38203), (Start: 40 @38137 has 43 MA's), (106, 37945), (148, 37684), (157, 37666),

Gene: Klein_127 Start: 69017, Stop: 69493, Start Num: 52
Candidate Starts for Klein_127:
(25, 68972), (Start: 52 @69017 has 35 MA's), (122, 69335), (123, 69338), (128, 69374), (144, 69446), (149, 69467),

Gene: Klodlith_61 Start: 39560, Stop: 39096, Start Num: 47

Candidate Starts for Klodlith_61:
(Start: 47 @39560 has 170 MA's), (126, 39245),

Gene: Koan_56 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Koan_56:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Koduck_63 Start: 39165, Stop: 38707, Start Num: 65
Candidate Starts for Koduck_63:
(Start: 40 @39201 has 43 MA's), (Start: 65 @39165 has 21 MA's), (124, 38865), (126, 38853),

Gene: Koko_66 Start: 39549, Stop: 39049, Start Num: 51
Candidate Starts for Koko_66:
(Start: 47 @39552 has 170 MA's), (Start: 51 @39549 has 20 MA's), (126, 39225),

Gene: Koreni_57 Start: 38659, Stop: 38189, Start Num: 41
Candidate Starts for Koreni_57:
(Start: 41 @38659 has 207 MA's), (106, 38470),

Gene: Kratark_57 Start: 38973, Stop: 38503, Start Num: 41
Candidate Starts for Kratark_57:
(Start: 41 @38973 has 207 MA's), (106, 38784), (151, 38517),

Gene: Kraw_76 Start: 48369, Stop: 48845, Start Num: 69
Candidate Starts for Kraw_76:
(Start: 52 @48345 has 35 MA's), (Start: 69 @48369 has 19 MA's), (Start: 73 @48381 has 34 MA's), (89, 48417), (96, 48453), (97, 48471), (99, 48489), (117, 48633), (118, 48639), (127, 48702), (133, 48738), (135, 48741), (150, 48810), (163, 48834),

Gene: Kremtemulon_58 Start: 38926, Stop: 38456, Start Num: 41
Candidate Starts for Kremtemulon_58:
(Start: 41 @38926 has 207 MA's), (106, 38737),

Gene: Krili_10 Start: 3334, Stop: 2714, Start Num: 75
Candidate Starts for Krili_10:
(Start: 75 @3334 has 31 MA's), (94, 3274), (120, 3061), (121, 3049), (165, 2872), (168, 2848), (173, 2773),

Gene: Kristoff_58 Start: 39273, Stop: 38788, Start Num: 40
Candidate Starts for Kristoff_58:
(11, 39339), (Start: 40 @39273 has 43 MA's), (106, 39081), (144, 38838), (149, 38817), (151, 38814), (157, 38802),

Gene: Kugel_59 Start: 41080, Stop: 40604, Start Num: 32
Candidate Starts for Kugel_59:
(Start: 32 @41080 has 203 MA's), (146, 40675), (169, 40636),

Gene: KyMonks1A_62 Start: 40498, Stop: 40019, Start Num: 58
Candidate Starts for KyMonks1A_62:
(Start: 22 @40531 has 2 MA's), (Start: 58 @40498 has 7 MA's), (97, 40393), (128, 40165), (146, 40087),

Gene: Kyee_58 Start: 38976, Stop: 38506, Start Num: 41

Candidate Starts for Kyee_58:
(Start: 41 @38976 has 207 MA's), (106, 38787),

Gene: Kykar_60 Start: 41045, Stop: 40566, Start Num: 32
Candidate Starts for Kykar_60:
(Start: 32 @41045 has 203 MA's), (146, 40640), (169, 40601),

Gene: L5_59 Start: 39288, Stop: 38794, Start Num: 40
Candidate Starts for L5_59:
(Start: 40 @39288 has 43 MA's), (Start: 65 @39252 has 21 MA's), (124, 38952), (126, 38940),

Gene: LBerry_65 Start: 39631, Stop: 39149, Start Num: 35
Candidate Starts for LBerry_65:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: LHTSCC_60 Start: 39381, Stop: 38911, Start Num: 41
Candidate Starts for LHTSCC_60:
(21, 39414), (Start: 41 @39381 has 207 MA's), (106, 39192), (151, 38925),

Gene: LadyBird_67 Start: 40754, Stop: 40281, Start Num: 47
Candidate Starts for LadyBird_67:
(Start: 47 @40754 has 170 MA's), (98, 40625), (126, 40424),

Gene: Lambert1_60 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Lambert1_60:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (128, 38987), (144, 38915), (151, 38891),

Gene: Lamina13_63 Start: 41833, Stop: 41354, Start Num: 32
Candidate Starts for Lamina13_63:
(Start: 32 @41833 has 203 MA's), (146, 41428), (169, 41389),

Gene: Landor_62 Start: 40805, Stop: 40341, Start Num: 47
Candidate Starts for Landor_62:
(Start: 43 @40811 has 14 MA's), (Start: 47 @40805 has 170 MA's), (126, 40490),

Gene: LappelDuVide_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for LappelDuVide_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: Larenn_60 Start: 39871, Stop: 39398, Start Num: 47
Candidate Starts for Larenn_60:
(Start: 43 @39877 has 14 MA's), (Start: 47 @39871 has 170 MA's), (98, 39742), (126, 39541),

Gene: LarryKay_64 Start: 39651, Stop: 39175, Start Num: 41
Candidate Starts for LarryKay_64:
(Start: 35 @39657 has 25 MA's), (Start: 41 @39651 has 207 MA's), (Start: 87 @39576 has 3 MA's), (144, 39219), (156, 39186),

Gene: Lebo14_75 Start: 48690, Stop: 49190, Start Num: 52
Candidate Starts for Lebo14_75:

(Start: 52 @48690 has 35 MA's), (Start: 69 @48714 has 19 MA's), (Start: 73 @48726 has 34 MA's), (89, 48762), (96, 48798), (97, 48816), (99, 48834), (100, 48837), (117, 48978), (118, 48984), (127, 49047), (133, 49083), (135, 49086), (150, 49155), (163, 49179),

Gene: Lemur_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Lemur_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: LeoAvram_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for LeoAvram_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Leogania_62 Start: 40683, Stop: 40222, Start Num: 47
Candidate Starts for Leogania_62:
(Start: 47 @40683 has 170 MA's), (126, 40365), (144, 40278),

Gene: Lesedi_55 Start: 38817, Stop: 38341, Start Num: 32
Candidate Starts for Lesedi_55:
(Start: 32 @38817 has 203 MA's), (146, 38412), (169, 38373),

Gene: Lev2_59 Start: 39812, Stop: 39354, Start Num: 56
Candidate Starts for Lev2_59:
(Start: 56 @39812 has 27 MA's), (97, 39710), (106, 39650), (111, 39614), (130, 39473), (146, 39398), (157, 39368),

Gene: Levia_57 Start: 39931, Stop: 39455, Start Num: 32
Candidate Starts for Levia_57:
(Start: 32 @39931 has 203 MA's), (146, 39526), (169, 39487),

Gene: Leviathan_64 Start: 40367, Stop: 39894, Start Num: 47
Candidate Starts for Leviathan_64:
(Start: 47 @40367 has 170 MA's), (98, 40238), (126, 40037),

Gene: Licorice_61 Start: 42319, Stop: 41828, Start Num: 32
Candidate Starts for Licorice_61:
(Start: 32 @42319 has 203 MA's), (146, 41914), (169, 41875),

Gene: LilBib_59 Start: 41629, Stop: 41150, Start Num: 58
Candidate Starts for LilBib_59:
(Start: 22 @41662 has 2 MA's), (Start: 58 @41629 has 7 MA's), (97, 41524), (128, 41296), (146, 41218),

Gene: LilTurb_63 Start: 40192, Stop: 39719, Start Num: 47
Candidate Starts for LilTurb_63:
(Start: 27 @40216 has 1 MA's), (Start: 43 @40198 has 14 MA's), (Start: 47 @40192 has 170 MA's), (98, 40063), (126, 39862),

Gene: Lilbunny_63 Start: 38695, Stop: 38195, Start Num: 51
Candidate Starts for Lilbunny_63:
(Start: 47 @38698 has 170 MA's), (Start: 51 @38695 has 20 MA's), (126, 38371),

Gene: Lilith_64 Start: 39620, Stop: 39138, Start Num: 35
Candidate Starts for Lilith_64:

(Start: 35 @39620 has 25 MA's), (Start: 41 @39614 has 207 MA's), (Start: 87 @39539 has 3 MA's), (144, 39182), (156, 39149),

Gene: Lilleskat_63 Start: 39955, Stop: 39491, Start Num: 47
Candidate Starts for Lilleskat_63:
(Start: 47 @39955 has 170 MA's), (123, 39661), (126, 39640),

Gene: Lillie_51 Start: 36799, Stop: 36359, Start Num: 73
Candidate Starts for Lillie_51:
(Start: 73 @36799 has 34 MA's), (99, 36697), (122, 36520), (128, 36481), (130, 36478), (131, 36469), (146, 36403),

Gene: LionsBait_62 Start: 41346, Stop: 40873, Start Num: 47
Candidate Starts for LionsBait_62:
(Start: 47 @41346 has 170 MA's), (126, 41016),

Gene: LittleB_58 Start: 38979, Stop: 38509, Start Num: 41
Candidate Starts for LittleB_58:
(Start: 41 @38979 has 207 MA's), (106, 38790),

Gene: LittleCherry_57 Start: 39419, Stop: 38955, Start Num: 53
Candidate Starts for LittleCherry_57:
(Start: 43 @39434 has 14 MA's), (Start: 53 @39419 has 40 MA's), (97, 39311), (106, 39251), (130, 39074), (146, 38999), (157, 38969),

Gene: LittleE_131 Start: 70513, Stop: 70995, Start Num: 40
Candidate Starts for LittleE_131:
(Start: 22 @70477 has 2 MA's), (Start: 40 @70513 has 43 MA's), (117, 70807), (122, 70837), (123, 70840), (128, 70876),

Gene: LittleGuy_58 Start: 38874, Stop: 38404, Start Num: 41
Candidate Starts for LittleGuy_58:
(12, 38937), (Start: 41 @38874 has 207 MA's), (106, 38685),

Gene: Livelaughbron_21 Start: 12931, Stop: 13446, Start Num: 46
Candidate Starts for Livelaughbron_21:
(Start: 46 @12931 has 19 MA's), (Start: 75 @12976 has 31 MA's), (119, 13228), (136, 13324),

Gene: LochMonster_59 Start: 39214, Stop: 38744, Start Num: 41
Candidate Starts for LochMonster_59:
(Start: 41 @39214 has 207 MA's), (106, 39025),

Gene: Lockley_57 Start: 39907, Stop: 39419, Start Num: 32
Candidate Starts for Lockley_57:
(Start: 32 @39907 has 203 MA's), (97, 39793), (115, 39640), (128, 39565), (146, 39487),

Gene: Lokk_58 Start: 39131, Stop: 38652, Start Num: 47
Candidate Starts for Lokk_58:
(29, 39152), (Start: 43 @39137 has 14 MA's), (Start: 47 @39131 has 170 MA's), (98, 39002), (126, 38801),

Gene: LoneWolf_64 Start: 40067, Stop: 39603, Start Num: 47
Candidate Starts for LoneWolf_64:

(Start: 47 @40067 has 170 MA's), (123, 39773), (126, 39752),

Gene: Looper_69 Start: 39699, Stop: 39241, Start Num: 43
Candidate Starts for Looper_69:
(31, 39717), (Start: 43 @39699 has 14 MA's), (95, 39609), (122, 39399), (147, 39273), (156, 39255),

Gene: Lopton_59 Start: 42300, Stop: 41809, Start Num: 32
Candidate Starts for Lopton_59:
(Start: 32 @42300 has 203 MA's), (97, 42186), (125, 41979), (128, 41958), (146, 41880), (169, 41841),

Gene: Lorenzo_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Lorenzo_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Loser_63 Start: 40393, Stop: 39932, Start Num: 65
Candidate Starts for Loser_63:
(Start: 34 @40420 has 3 MA's), (Start: 65 @40393 has 21 MA's), (118, 40129), (123, 40102), (126, 40081), (146, 39988),

Gene: Louie6_63 Start: 39650, Stop: 39174, Start Num: 41
Candidate Starts for Louie6_63:
(Start: 35 @39656 has 25 MA's), (Start: 41 @39650 has 207 MA's), (144, 39218), (146, 39212), (156, 39185),

Gene: Lowa_64 Start: 39619, Stop: 39137, Start Num: 35
Candidate Starts for Lowa_64:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: Lozinak_134 Start: 74307, Stop: 74777, Start Num: 62
Candidate Starts for Lozinak_134:
(Start: 62 @74307 has 3 MA's), (Start: 76 @74334 has 11 MA's), (Start: 78 @74337 has 3 MA's), (128, 74655), (146, 74733),

Gene: Luchador_64 Start: 41264, Stop: 40782, Start Num: 47
Candidate Starts for Luchador_64:
(Start: 27 @41288 has 1 MA's), (Start: 47 @41264 has 170 MA's), (116, 40991), (126, 40928), (134, 40883),

Gene: Lucivia_62 Start: 39420, Stop: 38923, Start Num: 40
Candidate Starts for Lucivia_62:
(Start: 40 @39420 has 43 MA's), (Start: 65 @39384 has 21 MA's), (Start: 87 @39342 has 3 MA's), (104, 39249), (117, 39126), (124, 39084), (126, 39072), (162, 38937),

Gene: Lucky2013_123 Start: 67390, Stop: 67872, Start Num: 40
Candidate Starts for Lucky2013_123:
(Start: 22 @67354 has 2 MA's), (Start: 40 @67390 has 43 MA's), (117, 67684), (122, 67714), (123, 67717), (128, 67753),

Gene: Lucyedi_64 Start: 40048, Stop: 39584, Start Num: 56
Candidate Starts for Lucyedi_64:
(Start: 56 @40048 has 27 MA's), (Start: 65 @40042 has 21 MA's), (118, 39781), (123, 39754), (126, 39733), (144, 39646),

Gene: LugYA_67 Start: 39622, Stop: 39146, Start Num: 41
Candidate Starts for LugYA_67:
(Start: 35 @39628 has 25 MA's), (Start: 41 @39622 has 207 MA's), (Start: 87 @39547 has 3 MA's), (144, 39190), (156, 39157),

Gene: LunarLander_61 Start: 41498, Stop: 41004, Start Num: 32
Candidate Starts for LunarLander_61:
(Start: 32 @41498 has 203 MA's), (146, 41093), (169, 41054),

Gene: Lunsford_59 Start: 38972, Stop: 38502, Start Num: 41
Candidate Starts for Lunsford_59:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: MA5_61 Start: 38739, Stop: 38281, Start Num: 44
Candidate Starts for MA5_61:
(5, 38901), (8, 38862), (Start: 44 @38739 has 37 MA's), (91, 38661), (92, 38658), (104, 38580), (106, 38559), (146, 38310), (151, 38292),

Gene: MK4_61 Start: 38823, Stop: 38365, Start Num: 44
Candidate Starts for MK4_61:
(Start: 44 @38823 has 37 MA's), (91, 38745), (92, 38742), (104, 38664), (106, 38643), (131, 38460), (146, 38394), (151, 38376),

Gene: MPlant7149_59 Start: 39416, Stop: 38907, Start Num: 32
Candidate Starts for MPlant7149_59:
(Start: 32 @39416 has 203 MA's), (97, 39302), (128, 39074), (146, 38996), (169, 38957),

Gene: MaCh_61 Start: 39314, Stop: 38853, Start Num: 65
Candidate Starts for MaCh_61:
(Start: 40 @39350 has 43 MA's), (Start: 65 @39314 has 21 MA's), (Start: 87 @39272 has 3 MA's), (104, 39179), (124, 39014), (126, 39002), (162, 38867),

Gene: Mabel_61 Start: 39331, Stop: 38885, Start Num: 65
Candidate Starts for Mabel_61:
(Start: 40 @39367 has 43 MA's), (Start: 65 @39331 has 21 MA's), (Start: 87 @39289 has 3 MA's), (104, 39196), (117, 39073), (124, 39031), (126, 39019),

Gene: MadKillah_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for MadKillah_10:
(Start: 75 @3349 has 31 MA's), (94, 3289), (120, 3076), (165, 2887), (168, 2863), (173, 2788),

Gene: MadMarie_64 Start: 39629, Stop: 39147, Start Num: 35
Candidate Starts for MadMarie_64:
(Start: 35 @39629 has 25 MA's), (Start: 41 @39623 has 207 MA's), (Start: 87 @39548 has 3 MA's), (144, 39191), (156, 39158),

Gene: Madraxi_99 Start: 57728, Stop: 58162, Start Num: 61
Candidate Starts for Madraxi_99:
(Start: 61 @57728 has 4 MA's), (86, 57770), (97, 57812), (102, 57839), (132, 58049), (133, 58052), (144, 58097),

Gene: Magnar_57 Start: 40432, Stop: 39956, Start Num: 32

Candidate Starts for Magnar_57:
(Start: 32 @40432 has 203 MA's), (146, 40027), (169, 39988),

Gene: Magnito_59 Start: 40568, Stop: 40074, Start Num: 32
Candidate Starts for Magnito_59:
(Start: 32 @40568 has 203 MA's), (146, 40163), (169, 40124),

Gene: Mainiac_64 Start: 39615, Stop: 39139, Start Num: 41
Candidate Starts for Mainiac_64:
(Start: 35 @39621 has 25 MA's), (Start: 41 @39615 has 207 MA's), (Start: 87 @39540 has 3 MA's), (144, 39183), (156, 39150),

Gene: Makemake_61 Start: 41889, Stop: 41380, Start Num: 32
Candidate Starts for Makemake_61:
(Start: 32 @41889 has 203 MA's), (97, 41775), (128, 41547), (146, 41469), (169, 41430),

Gene: Malec_61 Start: 40438, Stop: 39965, Start Num: 47
Candidate Starts for Malec_61:
(Start: 43 @40444 has 14 MA's), (Start: 47 @40438 has 170 MA's), (98, 40309), (126, 40108),

Gene: Malinsilva_66 Start: 39619, Stop: 39137, Start Num: 35
Candidate Starts for Malinsilva_66:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: Malthus_77 Start: 48369, Stop: 48845, Start Num: 69
Candidate Starts for Malthus_77:
(Start: 52 @48345 has 35 MA's), (Start: 69 @48369 has 19 MA's), (Start: 73 @48381 has 34 MA's), (89, 48417), (96, 48453), (97, 48471), (99, 48489), (117, 48633), (118, 48639), (127, 48702), (133, 48738), (135, 48741), (150, 48810), (163, 48834),

Gene: Maminiaina_62 Start: 39914, Stop: 39450, Start Num: 47
Candidate Starts for Maminiaina_62:
(Start: 47 @39914 has 170 MA's), (123, 39620), (126, 39599),

Gene: Manatee_60 Start: 40549, Stop: 40076, Start Num: 53
Candidate Starts for Manatee_60:
(Start: 53 @40549 has 40 MA's), (146, 40144),

Gene: Manda_22 Start: 13303, Stop: 13818, Start Num: 46
Candidate Starts for Manda_22:
(Start: 46 @13303 has 19 MA's), (Start: 75 @13348 has 31 MA's), (119, 13600), (136, 13696),

Gene: Manu_64 Start: 39507, Stop: 39031, Start Num: 41
Candidate Starts for Manu_64:
(Start: 41 @39507 has 207 MA's), (139, 39093), (144, 39075), (156, 39042),

Gene: MarQuardt_64 Start: 39623, Stop: 39147, Start Num: 41
Candidate Starts for MarQuardt_64:
(Start: 35 @39629 has 25 MA's), (Start: 41 @39623 has 207 MA's), (Start: 87 @39548 has 3 MA's), (144, 39191), (156, 39158),

Gene: Marcell_56 Start: 39439, Stop: 38963, Start Num: 32

Candidate Starts for Marcell_56:
(Start: 32 @39439 has 203 MA's), (146, 39034), (169, 38995),

Gene: Marchesa_60 Start: 39275, Stop: 38814, Start Num: 44
Candidate Starts for Marchesa_60:
(5, 39437), (8, 39398), (Start: 44 @39275 has 37 MA's), (92, 39191), (104, 39113), (106, 39092), (146, 38843), (151, 38825),

Gene: Marchy_54 Start: 37527, Stop: 37051, Start Num: 32
Candidate Starts for Marchy_54:
(Start: 32 @37527 has 203 MA's), (146, 37122), (169, 37083),

Gene: Marco3_63 Start: 42224, Stop: 41757, Start Num: 32
Candidate Starts for Marco3_63:
(Start: 32 @42224 has 203 MA's), (128, 41903), (146, 41825),

Gene: Marge_58 Start: 40328, Stop: 39852, Start Num: 32
Candidate Starts for Marge_58:
(Start: 32 @40328 has 203 MA's), (146, 39923), (169, 39884),

Gene: Margo_60 Start: 39364, Stop: 38906, Start Num: 44
Candidate Starts for Margo_60:
(Start: 44 @39364 has 37 MA's), (91, 39286), (92, 39283), (106, 39184), (123, 39049), (128, 39013), (144, 38941), (151, 38917),

Gene: Marie_62 Start: 39627, Stop: 39145, Start Num: 35
Candidate Starts for Marie_62:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Marius_65 Start: 39504, Stop: 39028, Start Num: 41
Candidate Starts for Marius_65:
(Start: 41 @39504 has 207 MA's), (139, 39090), (144, 39072), (156, 39039),

Gene: Marleymoo_115 Start: 68041, Stop: 68523, Start Num: 40
Candidate Starts for Marleymoo_115:
(Start: 40 @68041 has 43 MA's), (122, 68365), (123, 68368), (128, 68404), (144, 68476), (149, 68497),

Gene: Maroc7_57 Start: 40727, Stop: 40251, Start Num: 32
Candidate Starts for Maroc7_57:
(19, 40757), (Start: 32 @40727 has 203 MA's), (146, 40322), (169, 40283),

Gene: Marsha_59 Start: 41914, Stop: 41420, Start Num: 32
Candidate Starts for Marsha_59:
(Start: 32 @41914 has 203 MA's), (146, 41509), (169, 41470),

Gene: MaryBeth_58 Start: 40766, Stop: 40299, Start Num: 32
Candidate Starts for MaryBeth_58:
(Start: 32 @40766 has 203 MA's), (128, 40445), (146, 40367),

Gene: MarysWell_58 Start: 40048, Stop: 39584, Start Num: 53
Candidate Starts for MarysWell_58:

(Start: 43 @40063 has 14 MA's), (Start: 53 @40048 has 40 MA's), (97, 39940), (106, 39880), (130, 39703), (146, 39628), (157, 39598),

Gene: Maverick_58 Start: 39014, Stop: 38508, Start Num: 20
Candidate Starts for Maverick_58:
(Start: 20 @39014 has 1 MA's), (Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Maxo_59 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Maxo_59:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Mayonnaise_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Mayonnaise_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Mazhar510_58 Start: 38979, Stop: 38509, Start Num: 41
Candidate Starts for Mazhar510_58:
(Start: 41 @38979 has 207 MA's), (106, 38790),

Gene: McFly_63 Start: 38580, Stop: 38080, Start Num: 51
Candidate Starts for McFly_63:
(Start: 47 @38583 has 170 MA's), (Start: 51 @38580 has 20 MA's), (126, 38256),

Gene: McGuire_61 Start: 40092, Stop: 39616, Start Num: 32
Candidate Starts for McGuire_61:
(Start: 32 @40092 has 203 MA's), (146, 39687), (169, 39648),

Gene: McSinger_59 Start: 40062, Stop: 39586, Start Num: 32
Candidate Starts for McSinger_59:
(Start: 32 @40062 has 203 MA's), (146, 39657), (169, 39618),

Gene: Medusa_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Medusa_58:
(36, 38983), (Start: 41 @38977 has 207 MA's), (97, 38848), (106, 38788),

Gene: MeeZee_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for MeeZee_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: MegTheThird_61 Start: 39600, Stop: 39136, Start Num: 47
Candidate Starts for MegTheThird_61:
(Start: 47 @39600 has 170 MA's), (126, 39285),

Gene: Melvin_60 Start: 38973, Stop: 38503, Start Num: 41
Candidate Starts for Melvin_60:
(Start: 41 @38973 has 207 MA's), (106, 38784),

Gene: MetalQZJ_57 Start: 40766, Stop: 40299, Start Num: 32
Candidate Starts for MetalQZJ_57:
(Start: 32 @40766 has 203 MA's), (128, 40445), (146, 40367),

Gene: Methuselah_59 Start: 39651, Stop: 39169, Start Num: 35
Candidate Starts for Methuselah_59:

(Start: 35 @39651 has 25 MA's), (Start: 41 @39645 has 207 MA's), (Start: 87 @39570 has 3 MA's), (144, 39213), (156, 39180),

Gene: MiaZeal_127 Start: 67986, Stop: 68486, Start Num: 30
Candidate Starts for MiaZeal_127:
(17, 67950), (Start: 30 @67986 has 3 MA's), (104, 68172), (117, 68295), (131, 68373), (133, 68388), (137, 68409), (142, 68427),

Gene: Micasa_58 Start: 39770, Stop: 39306, Start Num: 53
Candidate Starts for Micasa_58:
(Start: 43 @39785 has 14 MA's), (Start: 53 @39770 has 40 MA's), (97, 39662), (106, 39602), (111, 39566), (130, 39425), (146, 39350), (157, 39320),

Gene: Michley_62 Start: 41020, Stop: 40535, Start Num: 32
Candidate Starts for Michley_62:
(Start: 32 @41020 has 203 MA's), (85, 40972), (99, 40912), (103, 40894), (125, 40723), (128, 40702), (146, 40624), (169, 40585),

Gene: Microwolf_62 Start: 39643, Stop: 39161, Start Num: 35
Candidate Starts for Microwolf_62:
(Start: 35 @39643 has 25 MA's), (Start: 41 @39637 has 207 MA's), (Start: 87 @39562 has 3 MA's), (144, 39205), (156, 39172),

Gene: MiculUcigas_62 Start: 39497, Stop: 39024, Start Num: 47
Candidate Starts for MiculUcigas_62:
(Start: 43 @39503 has 14 MA's), (Start: 47 @39497 has 170 MA's), (98, 39368), (126, 39167),

Gene: Midas2_56 Start: 39869, Stop: 39405, Start Num: 53
Candidate Starts for Midas2_56:
(Start: 43 @39884 has 14 MA's), (Start: 53 @39869 has 40 MA's), (97, 39761), (106, 39701), (130, 39524), (146, 39449), (157, 39419),

Gene: Miko_58 Start: 39909, Stop: 39430, Start Num: 47
Candidate Starts for Miko_58:
(29, 39930), (Start: 43 @39915 has 14 MA's), (Start: 47 @39909 has 170 MA's), (98, 39780), (126, 39579), (164, 39441),

Gene: Milcery_57 Start: 39367, Stop: 38903, Start Num: 53
Candidate Starts for Milcery_57:
(Start: 43 @39382 has 14 MA's), (Start: 53 @39367 has 40 MA's), (97, 39259), (106, 39199), (130, 39022), (146, 38947), (157, 38917),

Gene: MilleFeuille_59 Start: 39930, Stop: 39451, Start Num: 58
Candidate Starts for MilleFeuille_59:
(Start: 22 @39963 has 2 MA's), (Start: 58 @39930 has 7 MA's), (97, 39825), (128, 39597), (146, 39519),

Gene: Millski_57 Start: 38979, Stop: 38509, Start Num: 41
Candidate Starts for Millski_57:
(Start: 41 @38979 has 207 MA's), (106, 38790),

Gene: Minerva_129 Start: 70422, Stop: 70898, Start Num: 52
Candidate Starts for Minerva_129:

(25, 70377), (Start: 52 @70422 has 35 MA's), (122, 70740), (123, 70743), (128, 70779), (144, 70851), (149, 70872),

Gene: Miramae_55 Start: 38264, Stop: 37794, Start Num: 41
Candidate Starts for Miramae_55:
(21, 38297), (Start: 41 @38264 has 207 MA's), (106, 38075), (151, 37808),

Gene: Miskis_129 Start: 73766, Stop: 74209, Start Num: 76
Candidate Starts for Miskis_129:
(Start: 62 @73739 has 3 MA's), (Start: 76 @73766 has 11 MA's), (Start: 78 @73769 has 3 MA's), (128, 74087), (146, 74165),

Gene: Misomonster_65 Start: 39648, Stop: 39172, Start Num: 41
Candidate Starts for Misomonster_65:
(Start: 35 @39654 has 25 MA's), (Start: 41 @39648 has 207 MA's), (144, 39216), (156, 39183),

Gene: MissDaisy_73 Start: 47265, Stop: 47756, Start Num: 57
Candidate Starts for MissDaisy_73:
(Start: 52 @47256 has 35 MA's), (Start: 57 @47265 has 5 MA's), (Start: 69 @47280 has 19 MA's), (Start: 73 @47292 has 34 MA's), (89, 47328), (96, 47364), (97, 47382), (99, 47400), (117, 47544), (118, 47550), (127, 47613), (133, 47649), (135, 47652), (150, 47721), (163, 47745),

Gene: MissWhite_60 Start: 38373, Stop: 37915, Start Num: 65
Candidate Starts for MissWhite_60:
(33, 38409), (Start: 41 @38406 has 207 MA's), (Start: 65 @38373 has 21 MA's), (126, 38061), (146, 37968),

Gene: Mitti_76 Start: 48500, Stop: 49000, Start Num: 52
Candidate Starts for Mitti_76:
(Start: 52 @48500 has 35 MA's), (Start: 69 @48524 has 19 MA's), (Start: 73 @48536 has 34 MA's), (89, 48572), (96, 48608), (97, 48626), (99, 48644), (127, 48857), (133, 48893), (135, 48896), (150, 48965), (163, 48989),

Gene: Mkhuseli_57 Start: 39190, Stop: 38714, Start Num: 32
Candidate Starts for Mkhuseli_57:
(Start: 32 @39190 has 203 MA's), (146, 38785), (169, 38746),

Gene: Molly_62 Start: 41197, Stop: 40688, Start Num: 32
Candidate Starts for Molly_62:
(Start: 32 @41197 has 203 MA's), (97, 41083), (128, 40855), (146, 40777), (169, 40738),

Gene: Monet_63 Start: 42683, Stop: 42189, Start Num: 53
Candidate Starts for Monet_63:
(Start: 53 @42683 has 40 MA's), (146, 42278), (169, 42239),

Gene: MoneyMay_63 Start: 39621, Stop: 39145, Start Num: 41
Candidate Starts for MoneyMay_63:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Montavir_62 Start: 39622, Stop: 39146, Start Num: 41
Candidate Starts for Montavir_62:

(Start: 35 @39628 has 25 MA's), (Start: 41 @39622 has 207 MA's), (Start: 87 @39547 has 3 MA's), (144, 39190), (156, 39157),

Gene: Moose_58 Start: 39605, Stop: 39129, Start Num: 32
Candidate Starts for Moose_58:
(Start: 32 @39605 has 203 MA's), (146, 39200), (169, 39161),

Gene: Mori_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for Mori_10:
(Start: 75 @3349 has 31 MA's), (120, 3076), (165, 2887), (168, 2863), (173, 2788),

Gene: Morpher26_56 Start: 38824, Stop: 38354, Start Num: 41
Candidate Starts for Morpher26_56:
(36, 38830), (Start: 41 @38824 has 207 MA's), (106, 38635), (151, 38368),

Gene: Morrow_59 Start: 38984, Stop: 38514, Start Num: 41
Candidate Starts for Morrow_59:
(Start: 41 @38984 has 207 MA's), (106, 38795),

Gene: MrGordo_59 Start: 40260, Stop: 39790, Start Num: 32
Candidate Starts for MrGordo_59:
(Start: 32 @40260 has 203 MA's), (128, 39939), (146, 39861), (169, 39822),

Gene: Mryolo_56 Start: 40302, Stop: 39835, Start Num: 32
Candidate Starts for Mryolo_56:
(Start: 32 @40302 has 203 MA's), (85, 40254), (99, 40194), (103, 40176), (125, 40005), (128, 39984), (146, 39906), (169, 39867),

Gene: MuchMore_67 Start: 39613, Stop: 39137, Start Num: 41
Candidate Starts for MuchMore_67:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: Mulciber_60 Start: 38872, Stop: 38411, Start Num: 65
Candidate Starts for Mulciber_60:
(Start: 40 @38908 has 43 MA's), (Start: 65 @38872 has 21 MA's), (Start: 87 @38830 has 3 MA's), (97, 38776), (104, 38737), (117, 38614), (124, 38572), (126, 38560), (162, 38425),

Gene: Mule_58 Start: 40131, Stop: 39637, Start Num: 32
Candidate Starts for Mule_58:
(Start: 32 @40131 has 203 MA's), (146, 39726), (169, 39687),

Gene: Munch_61 Start: 39371, Stop: 38874, Start Num: 40
Candidate Starts for Munch_61:
(Start: 40 @39371 has 43 MA's), (Start: 65 @39335 has 21 MA's), (Start: 87 @39293 has 3 MA's), (97, 39239), (104, 39200), (117, 39077), (124, 39035), (126, 39023), (162, 38888),

Gene: Mundrea_56 Start: 38816, Stop: 38346, Start Num: 41
Candidate Starts for Mundrea_56:
(21, 38849), (Start: 41 @38816 has 207 MA's), (101, 38663), (106, 38627), (151, 38360),

Gene: Murai_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for Murai_10:

(Start: 75 @3349 has 31 MA's), (120, 3076), (165, 2887), (168, 2863), (173, 2788),

Gene: Murica_20 Start: 12799, Stop: 13314, Start Num: 46
Candidate Starts for Murica_20:
(Start: 46 @12799 has 19 MA's), (Start: 75 @12844 has 31 MA's), (119, 13096), (136, 13192),

Gene: Museum_61 Start: 41999, Stop: 41505, Start Num: 32
Candidate Starts for Museum_61:
(Start: 32 @41999 has 203 MA's), (146, 41594), (169, 41555),

Gene: Myxus_63 Start: 40037, Stop: 39573, Start Num: 47
Candidate Starts for Myxus_63:
(Start: 47 @40037 has 170 MA's), (118, 39770), (123, 39743), (126, 39722), (144, 39635),

Gene: NEHalo_57 Start: 40355, Stop: 39864, Start Num: 32
Candidate Starts for NEHalo_57:
(Start: 32 @40355 has 203 MA's), (97, 40241), (128, 40013), (146, 39935), (169, 39896),

Gene: NaSiaTalie_62 Start: 39591, Stop: 39118, Start Num: 47
Candidate Starts for NaSiaTalie_62:
(Start: 43 @39597 has 14 MA's), (Start: 47 @39591 has 170 MA's), (98, 39462), (113, 39351), (126, 39261),

Gene: Naca_59 Start: 40333, Stop: 39869, Start Num: 53
Candidate Starts for Naca_59:
(Start: 43 @40348 has 14 MA's), (Start: 53 @40333 has 40 MA's), (97, 40225), (106, 40165), (130, 39988), (136, 39955), (146, 39913), (157, 39883),

Gene: Naiad_50 Start: 36821, Stop: 36381, Start Num: 73
Candidate Starts for Naiad_50:
(Start: 73 @36821 has 34 MA's), (99, 36719), (122, 36542), (128, 36503), (130, 36500), (131, 36491), (146, 36425),

Gene: Naira_62 Start: 42177, Stop: 41692, Start Num: 32
Candidate Starts for Naira_62:
(Start: 32 @42177 has 203 MA's), (128, 41841), (146, 41763), (169, 41724),

Gene: Naji_63 Start: 39576, Stop: 39115, Start Num: 65
Candidate Starts for Naji_63:
(Start: 34 @39612 has 3 MA's), (Start: 65 @39576 has 21 MA's), (Start: 87 @39534 has 3 MA's), (91, 39522), (126, 39264), (134, 39219),

Gene: Nala_21 Start: 12841, Stop: 13356, Start Num: 46
Candidate Starts for Nala_21:
(Start: 46 @12841 has 19 MA's), (Start: 75 @12886 has 31 MA's), (119, 13138), (136, 13234),

Gene: Nancinator_51 Start: 36741, Stop: 36301, Start Num: 73
Candidate Starts for Nancinator_51:
(Start: 73 @36741 has 34 MA's), (99, 36639), (122, 36462), (128, 36423), (130, 36420), (131, 36411), (146, 36345),

Gene: Natosaleda_50 Start: 36740, Stop: 36300, Start Num: 73
Candidate Starts for Natosaleda_50:

(Start: 73 @36740 has 34 MA's), (99, 36638), (122, 36461), (128, 36422), (130, 36419), (131, 36410), (146, 36344),

Gene: NearlyHeadless_64 Start: 39321, Stop: 38833, Start Num: 56
Candidate Starts for NearlyHeadless_64:
(Start: 47 @39327 has 170 MA's), (Start: 56 @39321 has 27 MA's), (97, 39219), (106, 39159), (146, 38880),

Gene: Nebkiss_87 Start: 49827, Stop: 50270, Start Num: 49
Candidate Starts for Nebkiss_87:
(Start: 49 @49827 has 3 MA's), (112, 50034), (130, 50145), (133, 50169), (140, 50199), (152, 50244),

Gene: Nebs_59 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Nebs_59:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Neeharika16_62 Start: 38043, Stop: 37540, Start Num: 47
Candidate Starts for Neeharika16_62:
(Start: 47 @38043 has 170 MA's), (Start: 51 @38040 has 20 MA's), (126, 37716),

Gene: Nemo27_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Nemo27_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: Nerujay_62 Start: 42048, Stop: 41554, Start Num: 32
Candidate Starts for Nerujay_62:
(Start: 32 @42048 has 203 MA's), (146, 41643), (169, 41604),

Gene: Newrala_63 Start: 38585, Stop: 38082, Start Num: 47
Candidate Starts for Newrala_63:
(Start: 47 @38585 has 170 MA's), (Start: 51 @38582 has 20 MA's), (126, 38258),

Gene: Nhonho_58 Start: 41316, Stop: 40777, Start Num: 32
Candidate Starts for Nhonho_58:
(Start: 32 @41316 has 203 MA's), (97, 41202), (98, 41187), (109, 41121), (146, 40896), (169, 40809),

Gene: NicoleTera_60 Start: 39899, Stop: 39426, Start Num: 47
Candidate Starts for NicoleTera_60:
(Start: 43 @39905 has 14 MA's), (Start: 47 @39899 has 170 MA's), (98, 39770), (126, 39569), (144, 39482),

Gene: NiebruSaylor_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for NiebruSaylor_10:
(Start: 75 @3349 has 31 MA's), (120, 3076), (165, 2887), (168, 2863), (173, 2788),

Gene: NihilNomen_132 Start: 71278, Stop: 71757, Start Num: 52
Candidate Starts for NihilNomen_132:
(Start: 52 @71278 has 35 MA's), (112, 71521), (117, 71563), (127, 71620), (133, 71656),

Gene: Niza_61 Start: 41915, Stop: 41439, Start Num: 32
Candidate Starts for Niza_61:
(18, 41954), (Start: 32 @41915 has 203 MA's), (146, 41510), (169, 41471),

Gene: Noella_60 Start: 39339, Stop: 38881, Start Num: 44
Candidate Starts for Noella_60:
(Start: 44 @39339 has 37 MA's), (91, 39261), (92, 39258), (106, 39159), (123, 39024), (144, 38916), (151, 38892),

Gene: Noelle_57 Start: 39125, Stop: 38655, Start Num: 41
Candidate Starts for Noelle_57:
(36, 39131), (Start: 41 @39125 has 207 MA's), (104, 38957), (106, 38936), (151, 38669),

Gene: Nolwazi_78 Start: 48491, Stop: 48991, Start Num: 52
Candidate Starts for Nolwazi_78:
(Start: 52 @48491 has 35 MA's), (Start: 69 @48515 has 19 MA's), (Start: 73 @48527 has 34 MA's), (89, 48563), (96, 48599), (97, 48617), (99, 48635), (100, 48638), (117, 48779), (118, 48785), (127, 48848), (133, 48884), (135, 48887), (150, 48956), (163, 48980),

Gene: Norbert_58 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Norbert_58:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (144, 38915), (151, 38891),

Gene: NorthStar_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for NorthStar_57:
(Start: 41 @38978 has 207 MA's), (106, 38789), (151, 38522),

Gene: Northrop_57 Start: 38974, Stop: 38504, Start Num: 41
Candidate Starts for Northrop_57:
(Start: 41 @38974 has 207 MA's), (106, 38785),

Gene: Norvs_132 Start: 73732, Stop: 74172, Start Num: 78
Candidate Starts for Norvs_132:
(Start: 74 @73729 has 1 MA's), (Start: 78 @73732 has 3 MA's), (128, 74050), (146, 74128),

Gene: Norz_61 Start: 43144, Stop: 42650, Start Num: 32
Candidate Starts for Norz_61:
(Start: 32 @43144 has 203 MA's), (146, 42739), (169, 42700),

Gene: NotAPhaseMom_58 Start: 38982, Stop: 38512, Start Num: 41
Candidate Starts for NotAPhaseMom_58:
(Start: 41 @38982 has 207 MA's), (106, 38793),

Gene: Noxious_59 Start: 40625, Stop: 40149, Start Num: 32
Candidate Starts for Noxious_59:
(Start: 32 @40625 has 203 MA's), (146, 40220), (169, 40181),

Gene: Nyxis_58 Start: 38868, Stop: 38398, Start Num: 41
Candidate Starts for Nyxis_58:
(Start: 41 @38868 has 207 MA's), (106, 38679),

Gene: OKCentral2016_58 Start: 38601, Stop: 38116, Start Num: 40
Candidate Starts for OKCentral2016_58:
(Start: 40 @38601 has 43 MA's), (106, 38409), (149, 38145), (151, 38142), (157, 38130),

Gene: OKaNui_58 Start: 39028, Stop: 38558, Start Num: 41

Candidate Starts for OKaNui_58:
(Start: 41 @39028 has 207 MA's), (106, 38839),

Gene: Obama12_59 Start: 39365, Stop: 38895, Start Num: 41
Candidate Starts for Obama12_59:
(21, 39398), (Start: 41 @39365 has 207 MA's), (106, 39176), (151, 38909),

Gene: Odette_132 Start: 72376, Stop: 72852, Start Num: 52
Candidate Starts for Odette_132:
(25, 72331), (Start: 52 @72376 has 35 MA's), (122, 72694), (123, 72697), (128, 72733), (144, 72805), (149, 72826),

Gene: Odin_61 Start: 38966, Stop: 38484, Start Num: 47
Candidate Starts for Odin_61:
(Start: 47 @38966 has 170 MA's), (126, 38630),

Gene: Ohfah_59 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Ohfah_59:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Ohgeesy_65 Start: 44524, Stop: 45075, Start Num: 45
Candidate Starts for Ohgeesy_65:
(7, 44383), (Start: 45 @44524 has 1 MA's), (84, 44593), (125, 44890), (167, 45052),

Gene: Ohno789_60 Start: 41078, Stop: 40590, Start Num: 32
Candidate Starts for Ohno789_60:
(Start: 32 @41078 has 203 MA's), (97, 40964), (128, 40736), (146, 40658),

Gene: OlanP_63 Start: 39680, Stop: 39204, Start Num: 41
Candidate Starts for OlanP_63:
(Start: 41 @39680 has 207 MA's), (139, 39266), (144, 39248), (156, 39215),

Gene: Ollie_64 Start: 39492, Stop: 39016, Start Num: 41
Candidate Starts for Ollie_64:
(Start: 35 @39498 has 25 MA's), (Start: 41 @39492 has 207 MA's), (Start: 87 @39417 has 3 MA's), (144, 39060), (156, 39027),

Gene: Omega_138 Start: 72194, Stop: 72676, Start Num: 40
Candidate Starts for Omega_138:
(Start: 22 @72158 has 2 MA's), (Start: 40 @72194 has 43 MA's), (122, 72518), (123, 72521), (128, 72557),

Gene: OmniCritical_76 Start: 48433, Stop: 48933, Start Num: 52
Candidate Starts for OmniCritical_76:
(Start: 52 @48433 has 35 MA's), (Start: 69 @48457 has 19 MA's), (Start: 73 @48469 has 34 MA's), (89, 48505), (96, 48541), (97, 48559), (99, 48577), (117, 48721), (118, 48727), (127, 48790), (133, 48826), (135, 48829), (150, 48898), (163, 48922),

Gene: OneUp_118 Start: 72254, Stop: 72691, Start Num: 73
Candidate Starts for OneUp_118:
(66, 72236), (Start: 73 @72254 has 34 MA's), (91, 72293),

Gene: Onglai_63 Start: 38378, Stop: 37914, Start Num: 47

Candidate Starts for Onglai_63:
(Start: 47 @38378 has 170 MA's), (118, 38111), (123, 38084), (126, 38063), (144, 37976),

Gene: Oofda_71 Start: 39947, Stop: 39528, Start Num: 81
Candidate Starts for Oofda_71:
(Start: 38 @40010 has 1 MA's), (Start: 81 @39947 has 2 MA's), (93, 39905), (98, 39863), (118, 39710), (122, 39686), (147, 39560), (156, 39542),

Gene: Oogway_59 Start: 41560, Stop: 41066, Start Num: 32
Candidate Starts for Oogway_59:
(Start: 32 @41560 has 203 MA's), (146, 41155), (169, 41116),

Gene: Optimus_121 Start: 68818, Stop: 69294, Start Num: 52
Candidate Starts for Optimus_121:
(25, 68773), (Start: 52 @68818 has 35 MA's), (122, 69136), (123, 69139), (128, 69175), (144, 69247), (149, 69268),

Gene: Orange_60 Start: 38884, Stop: 38423, Start Num: 65
Candidate Starts for Orange_60:
(Start: 40 @38920 has 43 MA's), (Start: 65 @38884 has 21 MA's), (Start: 87 @38842 has 3 MA's), (104, 38749), (117, 38626), (124, 38584), (126, 38572), (162, 38437),

Gene: P28Green_65 Start: 39630, Stop: 39148, Start Num: 35
Candidate Starts for P28Green_65:
(Start: 35 @39630 has 25 MA's), (Start: 41 @39624 has 207 MA's), (Start: 87 @39549 has 3 MA's), (144, 39192), (156, 39159),

Gene: PGHhamlin_66 Start: 39613, Stop: 39137, Start Num: 41
Candidate Starts for PGHhamlin_66:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: PP_61 Start: 43275, Stop: 42814, Start Num: 50
Candidate Starts for PP_61:
(28, 43314), (Start: 50 @43275 has 1 MA's), (97, 43164), (106, 43104), (124, 42960),

Gene: PSullivan_59 Start: 39335, Stop: 38847, Start Num: 32
Candidate Starts for PSullivan_59:
(Start: 32 @39335 has 203 MA's), (97, 39221), (128, 38993), (146, 38915),

Gene: PacerPaul_59 Start: 40757, Stop: 40281, Start Num: 32
Candidate Starts for PacerPaul_59:
(19, 40787), (Start: 32 @40757 has 203 MA's), (146, 40352), (169, 40313),

Gene: PainterBoy_64 Start: 40001, Stop: 39543, Start Num: 65
Candidate Starts for PainterBoy_64:
(Start: 56 @40007 has 27 MA's), (Start: 65 @40001 has 21 MA's), (118, 39740), (123, 39713), (126, 39692), (144, 39605),

Gene: Palestino_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Palestino_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Panamaxus_58 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Panamaxus_58:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (128, 38987), (144, 38915), (151, 38891),

Gene: Papez_62 Start: 42285, Stop: 41809, Start Num: 32
Candidate Starts for Papez_62:
(19, 42315), (Start: 32 @42285 has 203 MA's), (146, 41880), (169, 41841),

Gene: Paphu_59 Start: 41191, Stop: 40712, Start Num: 32
Candidate Starts for Paphu_59:
(Start: 32 @41191 has 203 MA's), (146, 40786), (169, 40747),

Gene: Paraselene_57 Start: 40822, Stop: 40355, Start Num: 32
Candidate Starts for Paraselene_57:
(Start: 32 @40822 has 203 MA's), (128, 40501), (146, 40423),

Gene: Pari_62 Start: 40283, Stop: 39795, Start Num: 32
Candidate Starts for Pari_62:
(Start: 32 @40283 has 203 MA's), (97, 40169), (128, 39941), (146, 39863),

Gene: Parliament_61 Start: 42983, Stop: 42507, Start Num: 32
Candidate Starts for Parliament_61:
(Start: 32 @42983 has 203 MA's), (146, 42578), (169, 42539),

Gene: Partridge_50 Start: 37097, Stop: 36657, Start Num: 73
Candidate Starts for Partridge_50:
(Start: 73 @37097 has 34 MA's), (Start: 87 @37067 has 3 MA's), (99, 36995), (122, 36818), (128, 36779), (130, 36776), (131, 36767), (146, 36701),

Gene: PascalRango_59 Start: 40576, Stop: 40085, Start Num: 32
Candidate Starts for PascalRango_59:
(Start: 32 @40576 has 203 MA's), (97, 40462), (128, 40234), (146, 40156), (169, 40117),

Gene: Patt_72 Start: 46986, Stop: 47477, Start Num: 57
Candidate Starts for Patt_72:
(Start: 52 @46977 has 35 MA's), (Start: 57 @46986 has 5 MA's), (Start: 69 @47001 has 19 MA's), (Start: 73 @47013 has 34 MA's), (89, 47049), (96, 47085), (97, 47103), (99, 47121), (117, 47265), (118, 47271), (127, 47334), (133, 47370), (135, 47373), (150, 47442), (163, 47466),

Gene: PattyP_62 Start: 41975, Stop: 41481, Start Num: 32
Candidate Starts for PattyP_62:
(Start: 32 @41975 has 203 MA's), (146, 41570), (169, 41531),

Gene: Pawn_64 Start: 39511, Stop: 39035, Start Num: 41
Candidate Starts for Pawn_64:
(Start: 41 @39511 has 207 MA's), (139, 39097), (144, 39079), (156, 39046),

Gene: Payneful_59 Start: 40244, Stop: 39768, Start Num: 32
Candidate Starts for Payneful_59:
(Start: 32 @40244 has 203 MA's), (146, 39839), (169, 39800),

Gene: PeaceMeal1_57 Start: 38138, Stop: 37653, Start Num: 40

Candidate Starts for PeaceMeal1_57:
(Start: 40 @38138 has 43 MA's), (106, 37946), (148, 37685), (157, 37667),

Gene: Peaches_57 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Peaches_57:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: Pelly_60 Start: 41987, Stop: 41493, Start Num: 32
Candidate Starts for Pelly_60:
(Start: 32 @41987 has 203 MA's), (146, 41582), (169, 41543),

Gene: Pembroke_64 Start: 39628, Stop: 39146, Start Num: 35
Candidate Starts for Pembroke_64:
(Start: 35 @39628 has 25 MA's), (Start: 41 @39622 has 207 MA's), (Start: 87 @39547 has 3 MA's), (144, 39190), (156, 39157),

Gene: Penny1_65 Start: 39625, Stop: 39149, Start Num: 41
Candidate Starts for Penny1_65:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Perplexer_56 Start: 38800, Stop: 38330, Start Num: 41
Candidate Starts for Perplexer_56:
(36, 38806), (Start: 41 @38800 has 207 MA's), (106, 38611), (151, 38344),

Gene: Perseus_60 Start: 42536, Stop: 42042, Start Num: 32
Candidate Starts for Perseus_60:
(Start: 32 @42536 has 203 MA's), (146, 42131), (169, 42092),

Gene: PeterPeter_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for PeterPeter_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Petersenfast_61 Start: 38883, Stop: 38422, Start Num: 65
Candidate Starts for Petersenfast_61:
(Start: 40 @38919 has 43 MA's), (Start: 65 @38883 has 21 MA's), (Start: 87 @38841 has 3 MA's), (104, 38748), (117, 38625), (124, 38583), (126, 38571), (162, 38436),

Gene: Peterson_63 Start: 42504, Stop: 42028, Start Num: 32
Candidate Starts for Peterson_63:
(Start: 32 @42504 has 203 MA's), (146, 42099), (169, 42060),

Gene: PetiteSangsue_56 Start: 38803, Stop: 38333, Start Num: 41
Candidate Starts for PetiteSangsue_56:
(36, 38809), (Start: 41 @38803 has 207 MA's), (106, 38614), (151, 38347),

Gene: Petp2012_61 Start: 42483, Stop: 41974, Start Num: 32
Candidate Starts for Petp2012_61:
(Start: 32 @42483 has 203 MA's), (97, 42369), (128, 42141), (146, 42063), (169, 42024),

Gene: Petruchio_58 Start: 39710, Stop: 39234, Start Num: 32
Candidate Starts for Petruchio_58:
(Start: 32 @39710 has 203 MA's), (146, 39305), (169, 39266),

Gene: PetterN_64 Start: 40079, Stop: 39615, Start Num: 53
Candidate Starts for PetterN_64:
(Start: 43 @40094 has 14 MA's), (Start: 53 @40079 has 40 MA's), (97, 39971), (106, 39911), (130, 39734), (136, 39701), (146, 39659), (157, 39629),

Gene: Ph8s_63 Start: 39149, Stop: 38667, Start Num: 47
Candidate Starts for Ph8s_63:
(Start: 47 @39149 has 170 MA's), (126, 38813), (134, 38768),

Gene: Phacado_58 Start: 38977, Stop: 38507, Start Num: 41
Candidate Starts for Phacado_58:
(Start: 41 @38977 has 207 MA's), (106, 38788),

Gene: Phaded_61 Start: 40784, Stop: 40320, Start Num: 47
Candidate Starts for Phaded_61:
(Start: 43 @40790 has 14 MA's), (Start: 47 @40784 has 170 MA's), (126, 40469),

Gene: Phaeder_63 Start: 39912, Stop: 39448, Start Num: 47
Candidate Starts for Phaeder_63:
(Start: 47 @39912 has 170 MA's), (118, 39645), (123, 39618), (126, 39597), (144, 39510),

Gene: PhailMary_50 Start: 37121, Stop: 36681, Start Num: 73
Candidate Starts for PhailMary_50:
(Start: 73 @37121 has 34 MA's), (99, 37019), (122, 36842), (128, 36803), (130, 36800), (131, 36791), (146, 36725),

Gene: Phantastic_62 Start: 39000, Stop: 38542, Start Num: 44
Candidate Starts for Phantastic_62:
(Start: 44 @39000 has 37 MA's), (91, 38922), (92, 38919), (104, 38841), (106, 38820), (146, 38571), (151, 38553),

Gene: Phaux_20 Start: 12841, Stop: 13356, Start Num: 46
Candidate Starts for Phaux_20:
(Start: 46 @12841 has 19 MA's), (Start: 75 @12886 has 31 MA's), (119, 13138), (136, 13234),

Gene: Phelipe_59 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Phelipe_59:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: PherrisBueller_58 Start: 39152, Stop: 38664, Start Num: 32
Candidate Starts for PherrisBueller_58:
(Start: 32 @39152 has 203 MA's), (97, 39038), (128, 38810), (146, 38732),

Gene: Phighter1804_58 Start: 39039, Stop: 38569, Start Num: 41
Candidate Starts for Phighter1804_58:
(Start: 41 @39039 has 207 MA's), (106, 38850),

Gene: Phillis_61 Start: 38769, Stop: 38311, Start Num: 56
Candidate Starts for Phillis_61:
(Start: 47 @38775 has 170 MA's), (Start: 56 @38769 has 27 MA's), (106, 38607),

Gene: PhineBark_59 Start: 40949, Stop: 40473, Start Num: 32

Candidate Starts for PhineBark_59:
(Start: 32 @40949 has 203 MA's), (146, 40544), (169, 40505),

Gene: PhinkBoden_133 Start: 74594, Stop: 75037, Start Num: 74
Candidate Starts for PhinkBoden_133:
(Start: 74 @74594 has 1 MA's), (Start: 78 @74597 has 3 MA's), (128, 74915), (146, 74993),

Gene: PhishRPhriends_62 Start: 38688, Stop: 38212, Start Num: 41
Candidate Starts for PhishRPhriends_62:
(Start: 41 @38688 has 207 MA's), (139, 38274), (144, 38256), (156, 38223),

Gene: Phlei_52 Start: 39642, Stop: 39148, Start Num: 43
Candidate Starts for Phlei_52:
(15, 39696), (Start: 43 @39642 has 14 MA's), (Start: 70 @39600 has 4 MA's), (123, 39318), (135, 39249), (139, 39228), (144, 39210), (146, 39204),

Gene: Phlippers_57 Start: 41064, Stop: 40588, Start Num: 32
Candidate Starts for Phlippers_57:
(Start: 32 @41064 has 203 MA's), (146, 40659), (169, 40620),

Gene: Phlorence_57 Start: 39557, Stop: 39099, Start Num: 56
Candidate Starts for Phlorence_57:
(Start: 56 @39557 has 27 MA's), (97, 39455), (106, 39395), (111, 39359), (130, 39218), (146, 39143), (157, 39113),

Gene: Phoebe_65 Start: 39614, Stop: 39138, Start Num: 41
Candidate Starts for Phoebe_65:
(Start: 35 @39620 has 25 MA's), (Start: 41 @39614 has 207 MA's), (Start: 87 @39539 has 3 MA's), (144, 39182), (156, 39149),

Gene: Phoebus_131 Start: 73175, Stop: 73651, Start Num: 52
Candidate Starts for Phoebus_131:
(25, 73130), (Start: 52 @73175 has 35 MA's), (122, 73493), (123, 73496), (128, 73532), (144, 73604), (149, 73625),

Gene: Phonnegut_64 Start: 40134, Stop: 39670, Start Num: 47
Candidate Starts for Phonnegut_64:
(Start: 47 @40134 has 170 MA's), (118, 39867), (123, 39840), (126, 39819), (144, 39732),

Gene: Phontbonne_58 Start: 38869, Stop: 38399, Start Num: 41
Candidate Starts for Phontbonne_58:
(36, 38875), (Start: 41 @38869 has 207 MA's), (106, 38680),

Gene: Phoxy_64 Start: 39646, Stop: 39170, Start Num: 41
Candidate Starts for Phoxy_64:
(Start: 35 @39652 has 25 MA's), (Start: 41 @39646 has 207 MA's), (Start: 87 @39571 has 3 MA's), (144, 39214), (156, 39181),

Gene: Phrankenstein_51 Start: 36745, Stop: 36305, Start Num: 73
Candidate Starts for Phrankenstein_51:
(Start: 73 @36745 has 34 MA's), (99, 36643), (122, 36466), (128, 36427), (130, 36424), (131, 36415), (146, 36349),

Gene: Phranny_65 Start: 39493, Stop: 39017, Start Num: 41
Candidate Starts for Phranny_65:
(Start: 41 @39493 has 207 MA's), (139, 39079), (144, 39061), (156, 39028),

Gene: Phrappuccino_127 Start: 92973, Stop: 93443, Start Num: 69
Candidate Starts for Phrappuccino_127:
(Start: 69 @92973 has 19 MA's), (71, 92979), (83, 93000), (90, 93024), (114, 93201), (144, 93378), (166, 93438),

Gene: PhrostyMug_60 Start: 42305, Stop: 41811, Start Num: 32
Candidate Starts for PhrostyMug_60:
(Start: 32 @42305 has 203 MA's), (146, 41900), (169, 41861),

Gene: PickleBack_59 Start: 39734, Stop: 39276, Start Num: 56
Candidate Starts for PickleBack_59:
(Start: 56 @39734 has 27 MA's), (97, 39632), (106, 39572), (111, 39536), (130, 39395), (146, 39320), (157, 39290),

Gene: PinkPlastic_60 Start: 40448, Stop: 39939, Start Num: 32
Candidate Starts for PinkPlastic_60:
(Start: 32 @40448 has 203 MA's), (97, 40334), (128, 40106), (146, 40028), (169, 39989),

Gene: Pinto_60 Start: 40635, Stop: 40147, Start Num: 32
Candidate Starts for Pinto_60:
(Start: 32 @40635 has 203 MA's), (97, 40521), (125, 40314), (128, 40293), (146, 40215), (169, 40176),

Gene: Pipcraft_56 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Pipcraft_56:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Pippin_60 Start: 40237, Stop: 39761, Start Num: 32
Candidate Starts for Pippin_60:
(Start: 32 @40237 has 203 MA's), (146, 39832), (169, 39793),

Gene: Piro94_62 Start: 39944, Stop: 39471, Start Num: 47
Candidate Starts for Piro94_62:
(Start: 43 @39950 has 14 MA's), (Start: 47 @39944 has 170 MA's), (98, 39815), (126, 39614),

Gene: Pistachio_62 Start: 38926, Stop: 38468, Start Num: 44
Candidate Starts for Pistachio_62:
(5, 39088), (8, 39049), (Start: 44 @38926 has 37 MA's), (91, 38848), (92, 38845), (106, 38746), (146, 38497), (151, 38479),

Gene: Pita2_62 Start: 40832, Stop: 40344, Start Num: 32
Candidate Starts for Pita2_62:
(Start: 32 @40832 has 203 MA's), (97, 40718), (128, 40490), (146, 40412),

Gene: Pmask_62 Start: 38586, Stop: 38083, Start Num: 47
Candidate Starts for Pmask_62:
(Start: 47 @38586 has 170 MA's), (Start: 51 @38583 has 20 MA's), (126, 38259),

Gene: Pocahontas_60 Start: 39335, Stop: 38877, Start Num: 44
Candidate Starts for Pocahontas_60:

(Start: 44 @39335 has 37 MA's), (91, 39257), (92, 39254), (106, 39155), (123, 39020), (144, 38912), (151, 38888),

Gene: Policronamos_21 Start: 12843, Stop: 13358, Start Num: 46
Candidate Starts for Policronamos_21:
(Start: 46 @12843 has 19 MA's), (Start: 75 @12888 has 31 MA's), (119, 13140), (136, 13236),

Gene: Polymorphads_59 Start: 38971, Stop: 38501, Start Num: 41
Candidate Starts for Polymorphads_59:
(Start: 41 @38971 has 207 MA's), (106, 38782),

Gene: Polyphemus_65 Start: 38971, Stop: 38468, Start Num: 47
Candidate Starts for Polyphemus_65:
(Start: 47 @38971 has 170 MA's), (Start: 51 @38968 has 20 MA's), (126, 38644), (141, 38572),

Gene: Pomar16_62 Start: 39652, Stop: 39155, Start Num: 34
Candidate Starts for Pomar16_62:
(Start: 34 @39652 has 3 MA's), (Start: 65 @39616 has 21 MA's), (Start: 87 @39574 has 3 MA's), (91, 39562), (126, 39304), (134, 39259),

Gene: Poompha_57 Start: 38136, Stop: 37651, Start Num: 40
Candidate Starts for Poompha_57:
(Start: 40 @38136 has 43 MA's), (106, 37944), (148, 37683), (157, 37665),

Gene: Popcicle_60 Start: 39335, Stop: 38877, Start Num: 44
Candidate Starts for Popcicle_60:
(Start: 44 @39335 has 37 MA's), (91, 39257), (92, 39254), (106, 39155), (123, 39020), (144, 38912), (151, 38888),

Gene: Porcelain_126 Start: 68336, Stop: 68818, Start Num: 40
Candidate Starts for Porcelain_126:
(Start: 22 @68300 has 2 MA's), (Start: 40 @68336 has 43 MA's), (117, 68630), (122, 68660), (123, 68663), (128, 68699),

Gene: PotatoSplit_65 Start: 39631, Stop: 39149, Start Num: 35
Candidate Starts for PotatoSplit_65:
(Start: 35 @39631 has 25 MA's), (Start: 41 @39625 has 207 MA's), (Start: 87 @39550 has 3 MA's), (144, 39193), (156, 39160),

Gene: Pound_119 Start: 69558, Stop: 70034, Start Num: 52
Candidate Starts for Pound_119:
(Start: 52 @69558 has 35 MA's), (122, 69876), (123, 69879), (128, 69915), (144, 69987), (149, 70008),

Gene: Power_61 Start: 39955, Stop: 39482, Start Num: 47
Candidate Starts for Power_61:
(Start: 27 @39979 has 1 MA's), (Start: 43 @39961 has 14 MA's), (Start: 47 @39955 has 170 MA's), (98, 39826), (126, 39625),

Gene: PowerRanger_57 Start: 41458, Stop: 40982, Start Num: 32
Candidate Starts for PowerRanger_57:
(Start: 32 @41458 has 203 MA's), (146, 41053), (169, 41014),

Gene: Priamo_65 Start: 38402, Stop: 37899, Start Num: 47

Candidate Starts for Priamo_65:
(Start: 47 @38402 has 170 MA's), (Start: 51 @38399 has 20 MA's), (126, 38075),

Gene: Prinashe11_56 Start: 39272, Stop: 38814, Start Num: 56
Candidate Starts for Prinashe11_56:
(Start: 56 @39272 has 27 MA's), (97, 39170), (106, 39110), (130, 38933), (146, 38858), (157, 38828),

Gene: Priya_62 Start: 39761, Stop: 39297, Start Num: 47
Candidate Starts for Priya_62:
(Start: 47 @39761 has 170 MA's), (126, 39446),

Gene: ProMouse_61 Start: 40585, Stop: 40118, Start Num: 32
Candidate Starts for ProMouse_61:
(Start: 32 @40585 has 203 MA's), (128, 40264), (146, 40186),

Gene: Prudy_60 Start: 40329, Stop: 39847, Start Num: 47
Candidate Starts for Prudy_60:
(Start: 47 @40329 has 170 MA's), (126, 39996),

Gene: Pukovnik_60 Start: 40454, Stop: 39969, Start Num: 43
Candidate Starts for Pukovnik_60:
(Start: 43 @40454 has 14 MA's), (Start: 47 @40448 has 170 MA's), (98, 40319), (126, 40118),

Gene: Pumbaa_58 Start: 38923, Stop: 38453, Start Num: 41
Candidate Starts for Pumbaa_58:
(Start: 41 @38923 has 207 MA's), (106, 38734),

Gene: Pumpkin_23 Start: 12895, Stop: 13410, Start Num: 46
Candidate Starts for Pumpkin_23:
(Start: 46 @12895 has 19 MA's), (Start: 75 @12940 has 31 MA's), (119, 13192), (136, 13288),

Gene: Puppet_60 Start: 42242, Stop: 41748, Start Num: 32
Candidate Starts for Puppet_60:
(Start: 32 @42242 has 203 MA's), (146, 41837), (169, 41798),

Gene: Puppy_62 Start: 38998, Stop: 38540, Start Num: 44
Candidate Starts for Puppy_62:
(5, 39160), (8, 39121), (Start: 44 @38998 has 37 MA's), (91, 38920), (92, 38917), (106, 38818), (146, 38569), (151, 38551),

Gene: PurpleHaze_64 Start: 39506, Stop: 39030, Start Num: 41
Candidate Starts for PurpleHaze_64:
(Start: 41 @39506 has 207 MA's), (139, 39092), (144, 39074), (156, 39041),

Gene: QTRlifeCrisis_59 Start: 40840, Stop: 40361, Start Num: 58
Candidate Starts for QTRlifeCrisis_59:
(Start: 22 @40873 has 2 MA's), (Start: 58 @40840 has 7 MA's), (97, 40735), (128, 40507), (146, 40429),

Gene: Qhanda_78 Start: 48385, Stop: 48861, Start Num: 69
Candidate Starts for Qhanda_78:
(Start: 52 @48361 has 35 MA's), (Start: 69 @48385 has 19 MA's), (Start: 73 @48397 has 34 MA's), (89, 48433), (96, 48469), (97, 48487), (99, 48505), (117, 48649), (118, 48655), (127, 48718), (133,

48754), (135, 48757), (150, 48826), (163, 48850),

Gene: QueenB2_61 Start: 39933, Stop: 39460, Start Num: 47
Candidate Starts for QueenB2_61:
(Start: 27 @39957 has 1 MA's), (Start: 43 @39939 has 14 MA's), (Start: 47 @39933 has 170 MA's), (98, 39804), (126, 39603),

Gene: QueenBeesly_62 Start: 39902, Stop: 39429, Start Num: 47
Candidate Starts for QueenBeesly_62:
(Start: 27 @39926 has 1 MA's), (Start: 43 @39908 has 14 MA's), (Start: 47 @39902 has 170 MA's), (98, 39773), (126, 39572),

Gene: QuinnKiro_59 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for QuinnKiro_59:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (144, 38915), (151, 38891),

Gene: REQ2_71 Start: 43984, Stop: 44421, Start Num: 85
Candidate Starts for REQ2_71:
(85, 43984),

Gene: RGL3_45 Start: 34664, Stop: 34167, Start Num: 73
Candidate Starts for RGL3_45:
(Start: 73 @34664 has 34 MA's), (118, 34409), (122, 34385), (125, 34370), (128, 34346), (131, 34334), (154, 34244),

Gene: Rachaly_60 Start: 40054, Stop: 39575, Start Num: 47
Candidate Starts for Rachaly_60:
(29, 40075), (Start: 43 @40060 has 14 MA's), (Start: 47 @40054 has 170 MA's), (98, 39925), (126, 39724),

Gene: Rahalelujah_63 Start: 39667, Stop: 39203, Start Num: 47
Candidate Starts for Rahalelujah_63:
(Start: 47 @39667 has 170 MA's), (123, 39373), (126, 39352),

Gene: Raid_59 Start: 40757, Stop: 40290, Start Num: 32
Candidate Starts for Raid_59:
(Start: 32 @40757 has 203 MA's), (128, 40436), (146, 40358),

Gene: Rajelicia_61 Start: 42461, Stop: 41967, Start Num: 32
Candidate Starts for Rajelicia_61:
(Start: 32 @42461 has 203 MA's), (146, 42056), (169, 42017),

Gene: Rasputin_51 Start: 36769, Stop: 36329, Start Num: 73
Candidate Starts for Rasputin_51:
(Start: 73 @36769 has 34 MA's), (99, 36667), (122, 36490), (128, 36451), (130, 36448), (131, 36439), (146, 36373),

Gene: Ravana_71 Start: 41096, Stop: 40638, Start Num: 43
Candidate Starts for Ravana_71:
(31, 41114), (Start: 43 @41096 has 14 MA's), (95, 41006), (122, 40796), (147, 40670), (156, 40652),

Gene: Reba_64 Start: 39166, Stop: 38690, Start Num: 41

Candidate Starts for Reba_64:
(Start: 41 @39166 has 207 MA's), (139, 38752), (144, 38734), (156, 38701),

Gene: Rebeuca_59 Start: 39274, Stop: 38789, Start Num: 40
Candidate Starts for Rebeuca_59:
(11, 39340), (Start: 40 @39274 has 43 MA's), (106, 39082), (144, 38839), (149, 38818), (151, 38815), (157, 38803),

Gene: RedRock_63 Start: 40708, Stop: 40244, Start Num: 47
Candidate Starts for RedRock_63:
(26, 40732), (Start: 43 @40714 has 14 MA's), (Start: 47 @40708 has 170 MA's), (118, 40441), (126, 40393),

Gene: RedWattleHog_2 Start: 2195, Stop: 2695, Start Num: 57
Candidate Starts for RedWattleHog_2:
(Start: 57 @2195 has 5 MA's), (64, 2204), (72, 2222), (138, 2591),

Gene: Redno2_122 Start: 68608, Stop: 69084, Start Num: 52
Candidate Starts for Redno2_122:
(Start: 52 @68608 has 35 MA's), (122, 68926), (123, 68929), (128, 68965), (144, 69037), (149, 69058),

Gene: Refuge_59 Start: 40894, Stop: 40418, Start Num: 47
Candidate Starts for Refuge_59:
(Start: 47 @40894 has 170 MA's), (123, 40588), (126, 40567), (146, 40474),

Gene: RegnumDei_98 Start: 54777, Stop: 55226, Start Num: 69
Candidate Starts for RegnumDei_98:
(Start: 69 @54777 has 19 MA's), (86, 54816), (98, 54873), (105, 54915), (112, 54978), (130, 55107), (132, 55128),

Gene: Relief_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Relief_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Reptar3000_73 Start: 46975, Stop: 47466, Start Num: 57
Candidate Starts for Reptar3000_73:
(Start: 52 @46966 has 35 MA's), (Start: 57 @46975 has 5 MA's), (Start: 69 @46990 has 19 MA's), (Start: 73 @47002 has 34 MA's), (89, 47038), (96, 47074), (97, 47092), (99, 47110), (117, 47254), (118, 47260), (127, 47323), (133, 47359), (135, 47362), (150, 47431), (163, 47455),

Gene: ResDef_60 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for ResDef_60:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (144, 38915), (151, 38891),

Gene: Retro23_63 Start: 40147, Stop: 39674, Start Num: 47
Candidate Starts for Retro23_63:
(Start: 27 @40171 has 1 MA's), (Start: 43 @40153 has 14 MA's), (Start: 47 @40147 has 170 MA's), (98, 40018), (126, 39817),

Gene: RexFury_50 Start: 36830, Stop: 36390, Start Num: 73
Candidate Starts for RexFury_50:

(Start: 73 @36830 has 34 MA's), (99, 36728), (122, 36551), (128, 36512), (130, 36509), (131, 36500), (146, 36434),

Gene: Rhodalysa_51 Start: 36799, Stop: 36359, Start Num: 73
Candidate Starts for Rhodalysa_51:
(Start: 73 @36799 has 34 MA's), (99, 36697), (122, 36520), (128, 36481), (130, 36478), (131, 36469), (146, 36403),

Gene: RhynO_59 Start: 39076, Stop: 38591, Start Num: 40
Candidate Starts for RhynO_59:
(11, 39142), (Start: 40 @39076 has 43 MA's), (106, 38884), (144, 38641), (157, 38605),

Gene: Rhynn_58 Start: 40371, Stop: 39877, Start Num: 53
Candidate Starts for Rhynn_58:
(Start: 53 @40371 has 40 MA's), (146, 39966), (169, 39927),

Gene: RidgeCB_59 Start: 40611, Stop: 40120, Start Num: 32
Candidate Starts for RidgeCB_59:
(Start: 32 @40611 has 203 MA's), (97, 40497), (125, 40290), (128, 40269), (146, 40191), (169, 40152),

Gene: Rifter_64 Start: 38194, Stop: 37691, Start Num: 47
Candidate Starts for Rifter_64:
(Start: 47 @38194 has 170 MA's), (Start: 51 @38191 has 20 MA's), (126, 37867),

Gene: Ringer_59 Start: 41503, Stop: 41027, Start Num: 32
Candidate Starts for Ringer_59:
(Start: 32 @41503 has 203 MA's), (146, 41098), (169, 41059),

Gene: Roary_65 Start: 39540, Stop: 39052, Start Num: 56
Candidate Starts for Roary_65:
(Start: 47 @39546 has 170 MA's), (Start: 56 @39540 has 27 MA's), (97, 39438), (106, 39378), (146, 39099),

Gene: RockieBear_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for RockieBear_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Rocksand_57 Start: 38974, Stop: 38504, Start Num: 41
Candidate Starts for Rocksand_57:
(Start: 41 @38974 has 207 MA's), (106, 38785),

Gene: Rockstar_59 Start: 38832, Stop: 38374, Start Num: 44
Candidate Starts for Rockstar_59:
(Start: 44 @38832 has 37 MA's), (91, 38754), (92, 38751), (104, 38673), (106, 38652), (146, 38403), (151, 38385),

Gene: Rohr_61 Start: 41829, Stop: 41320, Start Num: 32
Candidate Starts for Rohr_61:
(Start: 32 @41829 has 203 MA's), (97, 41715), (128, 41487), (146, 41409), (169, 41370),

Gene: Roimos_60 Start: 39205, Stop: 38744, Start Num: 44
Candidate Starts for Roimos_60:

(5, 39367), (8, 39328), (Start: 44 @39205 has 37 MA's), (92, 39121), (104, 39043), (106, 39022), (146, 38773), (151, 38755),

Gene: Roksolana_65 Start: 39025, Stop: 38525, Start Num: 51
Candidate Starts for Roksolana_65:
(Start: 47 @39028 has 170 MA's), (Start: 51 @39025 has 20 MA's), (126, 38701),

Gene: Romney_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Romney_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Roosevelt_57 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Roosevelt_57:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Rosa24_56 Start: 39006, Stop: 38536, Start Num: 41
Candidate Starts for Rosa24_56:
(Start: 41 @39006 has 207 MA's), (106, 38817),

Gene: Rosalind_68 Start: 39942, Stop: 39484, Start Num: 43
Candidate Starts for Rosalind_68:
(31, 39960), (Start: 43 @39942 has 14 MA's), (95, 39852), (122, 39642), (147, 39516), (156, 39498),

Gene: Rowdy_61 Start: 38987, Stop: 38502, Start Num: 40
Candidate Starts for Rowdy_61:
(11, 39053), (Start: 40 @38987 has 43 MA's), (106, 38795), (144, 38552), (157, 38516),

Gene: Rubeus_59 Start: 38428, Stop: 37940, Start Num: 32
Candidate Starts for Rubeus_59:
(Start: 32 @38428 has 203 MA's), (97, 38314), (125, 38107), (128, 38086), (146, 38008), (169, 37969),

Gene: Rufus_61 Start: 41112, Stop: 40603, Start Num: 32
Candidate Starts for Rufus_61:
(Start: 32 @41112 has 203 MA's), (97, 40998), (125, 40791), (128, 40770), (146, 40692), (169, 40653),

Gene: Ruin_58 Start: 38971, Stop: 38501, Start Num: 41
Candidate Starts for Ruin_58:
(Start: 41 @38971 has 207 MA's), (106, 38782),

Gene: Rummer_63 Start: 39655, Stop: 39173, Start Num: 35
Candidate Starts for Rummer_63:
(Start: 35 @39655 has 25 MA's), (Start: 41 @39649 has 207 MA's), (Start: 87 @39574 has 3 MA's), (144, 39217), (156, 39184),

Gene: Ruotula_62 Start: 42625, Stop: 42149, Start Num: 32
Candidate Starts for Ruotula_62:
(Start: 32 @42625 has 203 MA's), (146, 42220), (169, 42181),

Gene: Rutherferd_62 Start: 42187, Stop: 41699, Start Num: 53
Candidate Starts for Rutherferd_62:
(Start: 53 @42187 has 40 MA's), (146, 41788), (169, 41749),

Gene: Ruthiejr_77 Start: 48468, Stop: 48944, Start Num: 69

Candidate Starts for Ruthiejr_77:
(Start: 52 @48444 has 35 MA's), (Start: 57 @48453 has 5 MA's), (Start: 69 @48468 has 19 MA's), (Start: 73 @48480 has 34 MA's), (89, 48516), (96, 48552), (97, 48570), (99, 48588), (127, 48801), (133, 48837), (135, 48840), (150, 48909), (163, 48933),

Gene: Ryadel_12 Start: 3926, Stop: 3441, Start Num: 75
Candidate Starts for Ryadel_12:
(Start: 75 @3926 has 31 MA's), (120, 3653), (121, 3641), (158, 3482),

Gene: RyeScarlet_64 Start: 40109, Stop: 39645, Start Num: 47
Candidate Starts for RyeScarlet_64:
(Start: 47 @40109 has 170 MA's), (118, 39842), (123, 39815), (126, 39794), (144, 39707),

Gene: SFuller_96 Start: 55595, Stop: 56059, Start Num: 61
Candidate Starts for SFuller_96:
(Start: 61 @55595 has 4 MA's), (97, 55709), (102, 55736), (129, 55922), (132, 55946), (133, 55949), (137, 55967), (144, 55994),

Gene: STLscum_62 Start: 41452, Stop: 40943, Start Num: 23
Candidate Starts for STLscum_62:
(Start: 23 @41452 has 1 MA's), (Start: 32 @41431 has 203 MA's), (97, 41317), (128, 41089), (130, 41086), (146, 41011),

Gene: Sabertooth_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Sabertooth_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Sabia_64 Start: 39636, Stop: 39154, Start Num: 35
Candidate Starts for Sabia_64:
(Start: 35 @39636 has 25 MA's), (Start: 41 @39630 has 207 MA's), (Start: 87 @39555 has 3 MA's), (144, 39198), (156, 39165),

Gene: Sabinator_63 Start: 39620, Stop: 39144, Start Num: 41
Candidate Starts for Sabinator_63:
(Start: 35 @39626 has 25 MA's), (Start: 41 @39620 has 207 MA's), (Start: 87 @39545 has 3 MA's), (144, 39188), (156, 39155),

Gene: Sachima_63 Start: 39935, Stop: 39471, Start Num: 47
Candidate Starts for Sachima_63:
(Start: 47 @39935 has 170 MA's), (123, 39641), (126, 39620),

Gene: Sagefire_62 Start: 42491, Stop: 41997, Start Num: 32
Candidate Starts for Sagefire_62:
(Start: 32 @42491 has 203 MA's), (146, 42086), (169, 42047),

Gene: Saintus_59 Start: 36205, Stop: 35717, Start Num: 56
Candidate Starts for Saintus_59:
(Start: 47 @36211 has 170 MA's), (Start: 56 @36205 has 27 MA's), (97, 36103), (106, 36043), (146, 35764),

Gene: SamScheppers_75 Start: 48848, Stop: 49324, Start Num: 69
Candidate Starts for SamScheppers_75:

(Start: 52 @48824 has 35 MA's), (Start: 69 @48848 has 19 MA's), (Start: 73 @48860 has 34 MA's), (89, 48896), (96, 48932), (97, 48950), (99, 48968), (117, 49112), (118, 49118), (127, 49181), (133, 49217), (135, 49220), (150, 49289), (163, 49313),

Gene: Sandaddy_56 Start: 40016, Stop: 39528, Start Num: 32
Candidate Starts for Sandaddy_56:
(Start: 32 @40016 has 203 MA's), (97, 39902), (128, 39674), (146, 39596),

Gene: Sanya_58 Start: 41671, Stop: 41162, Start Num: 32
Candidate Starts for Sanya_58:
(Start: 32 @41671 has 203 MA's), (97, 41557), (125, 41350), (128, 41329), (146, 41251), (169, 41212),

Gene: SarFire_56 Start: 39557, Stop: 39090, Start Num: 32
Candidate Starts for SarFire_56:
(Start: 32 @39557 has 203 MA's), (109, 39383), (128, 39236), (146, 39158),

Gene: Saskia_62 Start: 38882, Stop: 38421, Start Num: 65
Candidate Starts for Saskia_62:
(Start: 40 @38918 has 43 MA's), (Start: 65 @38882 has 21 MA's), (Start: 87 @38840 has 3 MA's), (104, 38747), (117, 38624), (124, 38582), (126, 38570), (162, 38435),

Gene: SaturnRing_61 Start: 39379, Stop: 38921, Start Num: 44
Candidate Starts for SaturnRing_61:
(5, 39541), (8, 39502), (Start: 44 @39379 has 37 MA's), (91, 39301), (92, 39298), (106, 39199), (146, 38950), (151, 38932),

Gene: Scamp_58 Start: 38980, Stop: 38510, Start Num: 41
Candidate Starts for Scamp_58:
(Start: 41 @38980 has 207 MA's), (106, 38791),

Gene: Schatzie_126 Start: 71271, Stop: 71747, Start Num: 52
Candidate Starts for Schatzie_126:
(25, 71226), (Start: 52 @71271 has 35 MA's), (122, 71589), (123, 71592), (128, 71628), (144, 71700), (149, 71721),

Gene: Scherzo_64 Start: 40323, Stop: 39859, Start Num: 47
Candidate Starts for Scherzo_64:
(Start: 47 @40323 has 170 MA's), (118, 40056), (123, 40029), (126, 40008), (144, 39921),

Gene: SchoolBus_9 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for SchoolBus_9:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Schuy_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for Schuy_10:
(Start: 75 @3349 has 31 MA's), (120, 3076), (121, 3064), (165, 2887), (168, 2863), (173, 2788),

Gene: Scorpia_63 Start: 40138, Stop: 39674, Start Num: 53
Candidate Starts for Scorpia_63:
(Start: 43 @40153 has 14 MA's), (Start: 53 @40138 has 40 MA's), (97, 40030), (106, 39970), (130, 39793), (136, 39760), (146, 39718), (157, 39688),

Gene: Scout_61 Start: 38536, Stop: 38075, Start Num: 44

Candidate Starts for Scout_61:
(5, 38698), (8, 38659), (Start: 44 @38536 has 37 MA's), (92, 38452), (104, 38374), (106, 38353), (146, 38104), (151, 38086),

Gene: Scowl_60 Start: 40383, Stop: 39919, Start Num: 32
Candidate Starts for Scowl_60:
(Start: 32 @40383 has 203 MA's), (85, 40335), (99, 40275), (103, 40257), (125, 40086), (128, 40065), (146, 39987),

Gene: Seabiscuit_63 Start: 40354, Stop: 39878, Start Num: 32
Candidate Starts for Seabiscuit_63:
(Start: 32 @40354 has 203 MA's), (146, 39949), (169, 39910),

Gene: Seanderson_59 Start: 41817, Stop: 41326, Start Num: 32
Candidate Starts for Seanderson_59:
(Start: 32 @41817 has 203 MA's), (146, 41412), (169, 41373),

Gene: SemperFi_63 Start: 40170, Stop: 39697, Start Num: 47
Candidate Starts for SemperFi_63:
(Start: 27 @40194 has 1 MA's), (Start: 43 @40176 has 14 MA's), (Start: 47 @40170 has 170 MA's), (98, 40041), (126, 39840),

Gene: SenorClean_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for SenorClean_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Serenity_62 Start: 39280, Stop: 38822, Start Num: 65
Candidate Starts for Serenity_62:
(Start: 40 @39319 has 43 MA's), (Start: 65 @39280 has 21 MA's), (101, 39160), (124, 38980), (126, 38968), (141, 38896),

Gene: Settecandela_127 Start: 92973, Stop: 93443, Start Num: 69
Candidate Starts for Settecandela_127:
(Start: 69 @92973 has 19 MA's), (71, 92979), (83, 93000), (90, 93024), (114, 93201), (144, 93378), (166, 93438),

Gene: Severus_57 Start: 38136, Stop: 37651, Start Num: 40
Candidate Starts for Severus_57:
(Start: 40 @38136 has 43 MA's), (106, 37944), (148, 37683), (157, 37665),

Gene: Shagrat_101 Start: 53858, Stop: 54307, Start Num: 69
Candidate Starts for Shagrat_101:
(Start: 69 @53858 has 19 MA's), (86, 53897), (105, 53996), (106, 53999), (112, 54059), (118, 54107), (130, 54188), (132, 54209),

Gene: Shaka_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Shaka_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Sham4_61 Start: 38882, Stop: 38421, Start Num: 65
Candidate Starts for Sham4_61:
(Start: 40 @38918 has 43 MA's), (Start: 65 @38882 has 21 MA's), (Start: 87 @38840 has 3 MA's), (104, 38747), (117, 38624), (124, 38582), (126, 38570), (162, 38435),

Gene: Shapes_61 Start: 38987, Stop: 38502, Start Num: 40
Candidate Starts for Shapes_61:
(11, 39053), (Start: 40 @38987 has 43 MA's), (106, 38795), (144, 38552), (157, 38516),

Gene: SheaKeira_60 Start: 39511, Stop: 39047, Start Num: 47
Candidate Starts for SheaKeira_60:
(Start: 47 @39511 has 170 MA's), (118, 39244), (126, 39196), (154, 39079),

Gene: Sheen_60 Start: 42174, Stop: 41725, Start Num: 77
Candidate Starts for Sheen_60:
(Start: 77 @42174 has 1 MA's), (82, 42168), (88, 42150), (106, 42039), (122, 41883), (125, 41868), (135, 41811), (136, 41808), (146, 41766), (147, 41757), (151, 41748),

Gene: SheldonCooper_59 Start: 39382, Stop: 38912, Start Num: 41
Candidate Starts for SheldonCooper_59:
(21, 39415), (Start: 41 @39382 has 207 MA's), (106, 39193), (151, 38926),

Gene: Shep_60 Start: 38286, Stop: 37825, Start Num: 44
Candidate Starts for Shep_60:
(5, 38448), (8, 38409), (Start: 44 @38286 has 37 MA's), (92, 38202), (104, 38124), (106, 38103), (146, 37854), (151, 37836),

Gene: Shida_10 Start: 3398, Stop: 2778, Start Num: 75
Candidate Starts for Shida_10:
(Start: 75 @3398 has 31 MA's), (120, 3125), (165, 2936), (168, 2912), (173, 2837),

Gene: ShortQueendom_55 Start: 38461, Stop: 37967, Start Num: 32
Candidate Starts for ShortQueendom_55:
(Start: 32 @38461 has 203 MA's), (146, 38056), (169, 38017),

Gene: Shuman_51 Start: 36753, Stop: 36313, Start Num: 73
Candidate Starts for Shuman_51:
(Start: 73 @36753 has 34 MA's), (99, 36651), (122, 36474), (128, 36435), (130, 36432), (131, 36423), (146, 36357),

Gene: Shygu2_56 Start: 38854, Stop: 38384, Start Num: 41
Candidate Starts for Shygu2_56:
(36, 38860), (Start: 41 @38854 has 207 MA's), (92, 38764), (106, 38665), (151, 38398),

Gene: Sibs6_62 Start: 39463, Stop: 38969, Start Num: 32
Candidate Starts for Sibs6_62:
(Start: 32 @39463 has 203 MA's), (146, 39058), (169, 39019),

Gene: Skadoosh_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Skadoosh_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: SkiPole_64 Start: 41080, Stop: 40613, Start Num: 32
Candidate Starts for SkiPole_64:
(Start: 32 @41080 has 203 MA's), (128, 40759), (146, 40681),

Gene: Skipitt_57 Start: 38972, Stop: 38502, Start Num: 41

Candidate Starts for Skipitt_57:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: Sknot_62 Start: 39594, Stop: 39121, Start Num: 47
Candidate Starts for Sknot_62:
(Start: 43 @39600 has 14 MA's), (Start: 47 @39594 has 170 MA's), (98, 39465), (126, 39264), (130, 39246),

Gene: Slagathor_62 Start: 42823, Stop: 42329, Start Num: 53
Candidate Starts for Slagathor_62:
(Start: 53 @42823 has 40 MA's), (146, 42418), (169, 42379),

Gene: Slarp_76 Start: 48376, Stop: 48852, Start Num: 69
Candidate Starts for Slarp_76:
(Start: 52 @48352 has 35 MA's), (Start: 69 @48376 has 19 MA's), (Start: 73 @48388 has 34 MA's), (89, 48424), (96, 48460), (97, 48478), (99, 48496), (117, 48640), (118, 48646), (127, 48709), (133, 48745), (135, 48748), (150, 48817), (163, 48841),

Gene: Smairt_63 Start: 43299, Stop: 42805, Start Num: 32
Candidate Starts for Smairt_63:
(Start: 32 @43299 has 203 MA's), (146, 42894), (169, 42855),

Gene: Smeadley_64 Start: 39401, Stop: 38913, Start Num: 56
Candidate Starts for Smeadley_64:
(Start: 47 @39407 has 170 MA's), (Start: 56 @39401 has 27 MA's), (97, 39299), (106, 39239), (130, 39035), (146, 38960),

Gene: Smeagan_65 Start: 40454, Stop: 39981, Start Num: 47
Candidate Starts for Smeagan_65:
(Start: 47 @40454 has 170 MA's), (98, 40325), (126, 40124),

Gene: Smeagol_62 Start: 42613, Stop: 42152, Start Num: 79
Candidate Starts for Smeagol_62:
(Start: 53 @42646 has 40 MA's), (Start: 79 @42613 has 1 MA's), (146, 42241), (169, 42202),

Gene: SmellyB_63 Start: 38580, Stop: 38080, Start Num: 51
Candidate Starts for SmellyB_63:
(Start: 47 @38583 has 170 MA's), (Start: 51 @38580 has 20 MA's), (126, 38256),

Gene: Smooch_11 Start: 3755, Stop: 3270, Start Num: 75
Candidate Starts for Smooch_11:
(Start: 75 @3755 has 31 MA's), (94, 3695), (120, 3482), (121, 3470),

Gene: Smoothie_135 Start: 74334, Stop: 74777, Start Num: 76
Candidate Starts for Smoothie_135:
(Start: 62 @74307 has 3 MA's), (Start: 76 @74334 has 11 MA's), (Start: 78 @74337 has 3 MA's), (128, 74655), (146, 74733),

Gene: SnapTap_62 Start: 39981, Stop: 39508, Start Num: 47
Candidate Starts for SnapTap_62:
(Start: 27 @40005 has 1 MA's), (Start: 43 @39987 has 14 MA's), (Start: 47 @39981 has 170 MA's), (98, 39852), (126, 39651),

Gene: Snape_61 Start: 38874, Stop: 38413, Start Num: 65
Candidate Starts for Snape_61:
(Start: 40 @38910 has 43 MA's), (Start: 65 @38874 has 21 MA's), (Start: 87 @38832 has 3 MA's), (104, 38739), (117, 38616), (124, 38574), (126, 38562), (162, 38427),

Gene: Snazzy_58 Start: 39917, Stop: 39441, Start Num: 32
Candidate Starts for Snazzy_58:
(Start: 32 @39917 has 203 MA's), (146, 39512), (169, 39473),

Gene: Snickers_64 Start: 39595, Stop: 39119, Start Num: 41
Candidate Starts for Snickers_64:
(Start: 35 @39601 has 25 MA's), (Start: 41 @39595 has 207 MA's), (Start: 87 @39520 has 3 MA's), (144, 39163), (156, 39130),

Gene: SoYo_64 Start: 39539, Stop: 39057, Start Num: 35
Candidate Starts for SoYo_64:
(Start: 35 @39539 has 25 MA's), (Start: 41 @39533 has 207 MA's), (Start: 87 @39458 has 3 MA's), (144, 39101), (156, 39068),

Gene: SoilDragon_64 Start: 39069, Stop: 38593, Start Num: 41
Candidate Starts for SoilDragon_64:
(Start: 35 @39075 has 25 MA's), (Start: 41 @39069 has 207 MA's), (Start: 87 @38994 has 3 MA's), (144, 38637), (156, 38604),

Gene: Solon_57 Start: 39789, Stop: 39313, Start Num: 32
Candidate Starts for Solon_57:
(Start: 32 @39789 has 203 MA's), (146, 39384), (169, 39345),

Gene: SororFago_62 Start: 40593, Stop: 40114, Start Num: 47
Candidate Starts for SororFago_62:
(Start: 27 @40626 has 1 MA's), (Start: 47 @40593 has 170 MA's), (116, 40320), (126, 40257), (146, 40164), (160, 40125),

Gene: Sorpresa_57 Start: 40018, Stop: 39530, Start Num: 32
Candidate Starts for Sorpresa_57:
(Start: 32 @40018 has 203 MA's), (97, 39904), (128, 39676), (146, 39598),

Gene: Soshari_66 Start: 39645, Stop: 39169, Start Num: 41
Candidate Starts for Soshari_66:
(Start: 35 @39651 has 25 MA's), (Start: 41 @39645 has 207 MA's), (Start: 87 @39570 has 3 MA's), (144, 39213), (156, 39180),

Gene: Soups_70 Start: 40234, Stop: 39776, Start Num: 43
Candidate Starts for Soups_70:
(31, 40252), (Start: 43 @40234 has 14 MA's), (95, 40144), (122, 39934), (147, 39808), (156, 39790),

Gene: Sparxx_59 Start: 38973, Stop: 38503, Start Num: 41
Candidate Starts for Sparxx_59:
(Start: 41 @38973 has 207 MA's), (106, 38784),

Gene: Spike509_64 Start: 39646, Stop: 39170, Start Num: 41
Candidate Starts for Spike509_64:

(Start: 35 @39652 has 25 MA's), (Start: 41 @39646 has 207 MA's), (Start: 87 @39571 has 3 MA's), (144, 39214), (156, 39181),

Gene: SpikeBT_58 Start: 40212, Stop: 39724, Start Num: 32
Candidate Starts for SpikeBT_58:
(Start: 32 @40212 has 203 MA's), (97, 40098), (128, 39870), (146, 39792),

Gene: Spino_57 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Spino_57:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Spouty_62 Start: 39760, Stop: 39296, Start Num: 47
Candidate Starts for Spouty_62:
(Start: 47 @39760 has 170 MA's), (126, 39445),

Gene: Squee_60 Start: 40635, Stop: 40159, Start Num: 32
Candidate Starts for Squee_60:
(Start: 32 @40635 has 203 MA's), (128, 40308), (146, 40230), (169, 40191),

Gene: Squint_125 Start: 68099, Stop: 68599, Start Num: 30
Candidate Starts for Squint_125:
(17, 68063), (Start: 30 @68099 has 3 MA's), (104, 68285), (117, 68408), (131, 68486), (133, 68501), (137, 68522), (142, 68540),

Gene: StCroix_50 Start: 36821, Stop: 36381, Start Num: 73
Candidate Starts for StCroix_50:
(Start: 73 @36821 has 34 MA's), (99, 36719), (122, 36542), (128, 36503), (130, 36500), (131, 36491), (146, 36425),

Gene: Stagni_64 Start: 39630, Stop: 39148, Start Num: 35
Candidate Starts for Stagni_64:
(Start: 35 @39630 has 25 MA's), (Start: 41 @39624 has 207 MA's), (Start: 87 @39549 has 3 MA's), (144, 39192), (156, 39159),

Gene: Stank_24 Start: 13327, Stop: 13842, Start Num: 46
Candidate Starts for Stank_24:
(Start: 46 @13327 has 19 MA's), (Start: 75 @13372 has 31 MA's), (119, 13624), (136, 13720),

Gene: StarStuff_63 Start: 39578, Stop: 39117, Start Num: 65
Candidate Starts for StarStuff_63:
(Start: 34 @39614 has 3 MA's), (Start: 65 @39578 has 21 MA's), (Start: 87 @39536 has 3 MA's), (126, 39266), (134, 39221),

Gene: Stasia_56 Start: 38728, Stop: 38258, Start Num: 41
Candidate Starts for Stasia_56:
(36, 38734), (Start: 41 @38728 has 207 MA's), (92, 38638), (106, 38539), (139, 38314), (151, 38272),

Gene: SteMason_57 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for SteMason_57:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Steamy_58 Start: 39493, Stop: 39017, Start Num: 47
Candidate Starts for Steamy_58:

(Start: 47 @39493 has 170 MA's), (118, 39214), (126, 39166), (146, 39073),

Gene: Stellammi_95 Start: 47969, Stop: 48418, Start Num: 49
Candidate Starts for Stellammi_95:
(19, 47909), (21, 47915), (Start: 34 @47942 has 3 MA's), (Start: 49 @47969 has 3 MA's), (117, 48221), (127, 48278), (137, 48335), (142, 48353), (152, 48392),

Gene: StepMih_63 Start: 39615, Stop: 39139, Start Num: 41
Candidate Starts for StepMih_63:
(Start: 35 @39621 has 25 MA's), (Start: 41 @39615 has 207 MA's), (Start: 87 @39540 has 3 MA's), (144, 39183), (156, 39150),

Gene: Stephig9_63 Start: 39335, Stop: 38874, Start Num: 56
Candidate Starts for Stephig9_63:
(Start: 47 @39341 has 170 MA's), (Start: 56 @39335 has 27 MA's), (97, 39233), (106, 39173), (146, 38921),

Gene: StewieG_55 Start: 37309, Stop: 36833, Start Num: 32
Candidate Starts for StewieG_55:
(Start: 32 @37309 has 203 MA's), (146, 36904), (169, 36865),

Gene: Stink_55 Start: 38544, Stop: 38074, Start Num: 41
Candidate Starts for Stink_55:
(19, 38583), (21, 38577), (Start: 41 @38544 has 207 MA's), (106, 38355), (151, 38088),

Gene: Stormageddon_2 Start: 2195, Stop: 2695, Start Num: 57
Candidate Starts for Stormageddon_2:
(Start: 57 @2195 has 5 MA's), (64, 2204), (72, 2222), (138, 2591),

Gene: StrongArm_58 Start: 41327, Stop: 40839, Start Num: 32
Candidate Starts for StrongArm_58:
(Start: 32 @41327 has 203 MA's), (97, 41213), (128, 40985), (146, 40907),

Gene: Sultana_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for Sultana_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: Sumter_55 Start: 40525, Stop: 40049, Start Num: 32
Candidate Starts for Sumter_55:
(Start: 32 @40525 has 203 MA's), (146, 40120), (169, 40081),

Gene: Sunhee_64 Start: 39155, Stop: 38679, Start Num: 47
Candidate Starts for Sunhee_64:
(Start: 27 @39179 has 1 MA's), (Start: 47 @39155 has 170 MA's), (116, 38885), (126, 38822), (146, 38729), (154, 38705), (160, 38690),

Gene: Sunshine924_61 Start: 39697, Stop: 39218, Start Num: 58
Candidate Starts for Sunshine924_61:
(Start: 22 @39730 has 2 MA's), (Start: 58 @39697 has 7 MA's), (97, 39592), (128, 39364), (146, 39286),

Gene: SuperAwesome_63 Start: 38585, Stop: 38085, Start Num: 51
Candidate Starts for SuperAwesome_63:

(Start: 47 @38588 has 170 MA's), (Start: 51 @38585 has 20 MA's), (126, 38261),

Gene: SuperCallie99_60 Start: 38467, Stop: 37967, Start Num: 51
Candidate Starts for SuperCallie99_60:
(Start: 47 @38470 has 170 MA's), (Start: 51 @38467 has 20 MA's), (118, 38191), (126, 38143),

Gene: Superchunk_61 Start: 38582, Stop: 38100, Start Num: 47
Candidate Starts for Superchunk_61:
(Start: 47 @38582 has 170 MA's), (126, 38246), (139, 38177),

Gene: Superphikiman_125 Start: 67553, Stop: 68035, Start Num: 40
Candidate Starts for Superphikiman_125:
(Start: 40 @67553 has 43 MA's), (117, 67847), (122, 67877), (123, 67880), (128, 67916),

Gene: Swann_51 Start: 36797, Stop: 36357, Start Num: 73
Candidate Starts for Swann_51:
(Start: 73 @36797 has 34 MA's), (99, 36695), (122, 36518), (128, 36479), (130, 36476), (131, 36467), (146, 36401),

Gene: SweetiePie_62 Start: 40119, Stop: 39640, Start Num: 43
Candidate Starts for SweetiePie_62:
(Start: 27 @40137 has 1 MA's), (Start: 43 @40119 has 14 MA's), (Start: 47 @40113 has 170 MA's), (98, 39984), (126, 39783),

Gene: Swirley_59 Start: 39758, Stop: 39294, Start Num: 53
Candidate Starts for Swirley_59:
(Start: 43 @39773 has 14 MA's), (Start: 53 @39758 has 40 MA's), (97, 39650), (106, 39590), (130, 39413), (146, 39338), (157, 39308),

Gene: SwissCheese_60 Start: 40105, Stop: 39629, Start Num: 32
Candidate Starts for SwissCheese_60:
(Start: 32 @40105 has 203 MA's), (146, 39700), (169, 39661),

Gene: Switzer_60 Start: 42152, Stop: 41685, Start Num: 32
Candidate Starts for Switzer_60:
(Start: 32 @42152 has 203 MA's), (128, 41831), (146, 41753),

Gene: Swole_61 Start: 40742, Stop: 40233, Start Num: 32
Candidate Starts for Swole_61:
(Start: 32 @40742 has 203 MA's), (97, 40628), (128, 40400), (146, 40322), (169, 40283),

Gene: SydNat_60 Start: 40376, Stop: 39912, Start Num: 53
Candidate Starts for SydNat_60:
(Start: 43 @40391 has 14 MA's), (Start: 53 @40376 has 40 MA's), (97, 40268), (106, 40208), (130, 40031), (136, 39998), (146, 39956), (157, 39926),

Gene: TNguyen7_62 Start: 39345, Stop: 38887, Start Num: 44
Candidate Starts for TNguyen7_62:
(5, 39507), (8, 39468), (Start: 44 @39345 has 37 MA's), (91, 39267), (92, 39264), (106, 39165), (146, 38916), (151, 38898),

Gene: TPA4_77 Start: 51945, Stop: 52427, Start Num: 59
Candidate Starts for TPA4_77:

(59, 51945), (80, 51981), (112, 52194),

Gene: TWAMP_51 Start: 36799, Stop: 36359, Start Num: 73
Candidate Starts for TWAMP_51:
(Start: 73 @36799 has 34 MA's), (99, 36697), (122, 36520), (128, 36481), (130, 36478), (131, 36469), (146, 36403),

Gene: Takoda_51 Start: 36982, Stop: 36542, Start Num: 73
Candidate Starts for Takoda_51:
(Start: 73 @36982 has 34 MA's), (Start: 87 @36952 has 3 MA's), (99, 36880), (122, 36703), (128, 36664), (130, 36661), (131, 36652), (146, 36586),

Gene: Taquarus_58 Start: 38981, Stop: 38511, Start Num: 41
Candidate Starts for Taquarus_58:
(Start: 41 @38981 has 207 MA's), (106, 38792),

Gene: Taquito_75 Start: 48581, Stop: 49057, Start Num: 69
Candidate Starts for Taquito_75:
(Start: 52 @48557 has 35 MA's), (Start: 69 @48581 has 19 MA's), (Start: 73 @48593 has 34 MA's), (89, 48629), (96, 48665), (97, 48683), (99, 48701), (127, 48914), (133, 48950), (135, 48953), (150, 49022), (163, 49046),

Gene: Target_61 Start: 39917, Stop: 39420, Start Num: 32
Candidate Starts for Target_61:
(Start: 32 @39917 has 203 MA's), (146, 39512), (169, 39473),

Gene: TarsusIV_59 Start: 39575, Stop: 39102, Start Num: 47
Candidate Starts for TarsusIV_59:
(29, 39596), (Start: 43 @39581 has 14 MA's), (Start: 47 @39575 has 170 MA's), (98, 39446), (126, 39245),

Gene: Tarynearal_55 Start: 39197, Stop: 38739, Start Num: 56
Candidate Starts for Tarynearal_55:
(Start: 56 @39197 has 27 MA's), (97, 39095), (106, 39035), (130, 38858), (146, 38783), (157, 38753),

Gene: Tasp14_63 Start: 42472, Stop: 41978, Start Num: 32
Candidate Starts for Tasp14_63:
(Start: 32 @42472 has 203 MA's), (146, 42067), (169, 42028),

Gene: Taurus_65 Start: 39627, Stop: 39145, Start Num: 35
Candidate Starts for Taurus_65:
(Start: 35 @39627 has 25 MA's), (Start: 41 @39621 has 207 MA's), (Start: 87 @39546 has 3 MA's), (144, 39189), (156, 39156),

Gene: Teaspoon_22 Start: 12777, Stop: 13292, Start Num: 46
Candidate Starts for Teaspoon_22:
(Start: 46 @12777 has 19 MA's), (Start: 75 @12822 has 31 MA's), (119, 13074), (136, 13170),

Gene: TelAviv_9 Start: 3148, Stop: 2663, Start Num: 75
Candidate Starts for TelAviv_9:
(Start: 75 @3148 has 31 MA's), (94, 3088), (120, 2875), (121, 2863), (158, 2704),

Gene: Temprado_65 Start: 39067, Stop: 38564, Start Num: 47

Candidate Starts for Temprado_65:
(Start: 47 @39067 has 170 MA's), (Start: 51 @39064 has 20 MA's), (126, 38740),

Gene: Terrific_63 Start: 39948, Stop: 39475, Start Num: 47
Candidate Starts for Terrific_63:
(Start: 43 @39954 has 14 MA's), (Start: 47 @39948 has 170 MA's), (98, 39819), (126, 39618),

Gene: Texage_59 Start: 39339, Stop: 38881, Start Num: 44
Candidate Starts for Texage_59:
(Start: 44 @39339 has 37 MA's), (91, 39261), (92, 39258), (106, 39159), (123, 39024), (144, 38916), (151, 38892),

Gene: Thanksgivukkah_57 Start: 38976, Stop: 38506, Start Num: 41
Candidate Starts for Thanksgivukkah_57:
(Start: 41 @38976 has 207 MA's), (106, 38787),

Gene: Theia_57 Start: 40029, Stop: 39565, Start Num: 53
Candidate Starts for Theia_57:
(Start: 43 @40044 has 14 MA's), (Start: 53 @40029 has 40 MA's), (97, 39921), (106, 39861), (111, 39825), (130, 39684), (146, 39609), (157, 39579),

Gene: TheloniousMonk_60 Start: 42235, Stop: 41762, Start Num: 32
Candidate Starts for TheloniousMonk_60:
(Start: 32 @42235 has 203 MA's), (146, 41833), (169, 41794),

Gene: Thibault_112 Start: 65943, Stop: 66419, Start Num: 52
Candidate Starts for Thibault_112:
(Start: 52 @65943 has 35 MA's), (122, 66261), (123, 66264), (128, 66300), (144, 66372), (149, 66393),

Gene: Thor_56 Start: 38915, Stop: 38448, Start Num: 32
Candidate Starts for Thor_56:
(Start: 32 @38915 has 203 MA's), (109, 38741), (128, 38594), (146, 38516),

Gene: ThreeRngTarjay_126 Start: 71766, Stop: 72242, Start Num: 52
Candidate Starts for ThreeRngTarjay_126:
(25, 71721), (Start: 52 @71766 has 35 MA's), (122, 72084), (123, 72087), (128, 72123), (144, 72195), (149, 72216),

Gene: Tiffany_63 Start: 39513, Stop: 39031, Start Num: 35
Candidate Starts for Tiffany_63:
(Start: 35 @39513 has 25 MA's), (Start: 41 @39507 has 207 MA's), (Start: 87 @39432 has 3 MA's), (144, 39075), (156, 39042),

Gene: Tiger_58 Start: 39478, Stop: 39020, Start Num: 56
Candidate Starts for Tiger_58:
(Start: 56 @39478 has 27 MA's), (97, 39376), (106, 39316), (111, 39280), (130, 39139), (146, 39064), (157, 39034),

Gene: Timothy_61 Start: 38887, Stop: 38390, Start Num: 40
Candidate Starts for Timothy_61:
(Start: 40 @38887 has 43 MA's), (Start: 65 @38851 has 21 MA's), (Start: 87 @38809 has 3 MA's), (104, 38716), (117, 38593), (124, 38551), (126, 38539), (162, 38404),

Gene: Timshel_57 Start: 41460, Stop: 41023, Start Num: 70
Candidate Starts for Timshel_57:
(4, 41685), (6, 41646), (14, 41565), (37, 41511), (Start: 70 @41460 has 4 MA's), (97, 41373), (104, 41334), (128, 41142), (130, 41139), (131, 41130), (149, 41049), (151, 41046),

Gene: TinaFeyge_57 Start: 38973, Stop: 38503, Start Num: 41
Candidate Starts for TinaFeyge_57:
(Start: 41 @38973 has 207 MA's), (106, 38784),

Gene: TinyPebbles_63 Start: 39651, Stop: 39175, Start Num: 41
Candidate Starts for TinyPebbles_63:
(Start: 35 @39657 has 25 MA's), (Start: 41 @39651 has 207 MA's), (144, 39219), (156, 39186),

Gene: TinyTimmy_61 Start: 38936, Stop: 38439, Start Num: 40
Candidate Starts for TinyTimmy_61:
(Start: 40 @38936 has 43 MA's), (Start: 65 @38900 has 21 MA's), (Start: 87 @38858 has 3 MA's), (97, 38804), (104, 38765), (117, 38642), (124, 38600), (126, 38588), (162, 38453),

Gene: Tinybot_57 Start: 39005, Stop: 38535, Start Num: 41
Candidate Starts for Tinybot_57:
(Start: 41 @39005 has 207 MA's), (106, 38816),

Gene: TipsytheTRex_59 Start: 39350, Stop: 38892, Start Num: 65
Candidate Starts for TipsytheTRex_59:
(Start: 40 @39389 has 43 MA's), (Start: 65 @39350 has 21 MA's), (101, 39230), (124, 39050), (126, 39038), (139, 38969),

Gene: TiroTheta9_58 Start: 38972, Stop: 38502, Start Num: 41
Candidate Starts for TiroTheta9_58:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: Toaka_64 Start: 40139, Stop: 39675, Start Num: 47
Candidate Starts for Toaka_64:
(Start: 47 @40139 has 170 MA's), (123, 39845), (126, 39824),

Gene: Todacoro_60 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Todacoro_60:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (144, 38915), (151, 38891),

Gene: Tomathan_63 Start: 39583, Stop: 39164, Start Num: 87
Candidate Starts for Tomathan_63:
(Start: 34 @39661 has 3 MA's), (Start: 65 @39625 has 21 MA's), (Start: 87 @39583 has 3 MA's), (91, 39571), (126, 39313), (134, 39268),

Gene: ToneTone_61 Start: 38627, Stop: 38124, Start Num: 47
Candidate Starts for ToneTone_61:
(Start: 47 @38627 has 170 MA's), (Start: 51 @38624 has 20 MA's), (126, 38300),

Gene: Toniann_134 Start: 73864, Stop: 74307, Start Num: 76
Candidate Starts for Toniann_134:
(Start: 62 @73837 has 3 MA's), (Start: 76 @73864 has 11 MA's), (Start: 78 @73867 has 3 MA's), (128, 74185), (146, 74263),

Gene: Topanga_56 Start: 38918, Stop: 38433, Start Num: 40
Candidate Starts for Topanga_56:
(11, 38984), (Start: 40 @38918 has 43 MA's), (106, 38726), (144, 38483), (149, 38462), (151, 38459), (157, 38447),

Gene: Topgun_58 Start: 39675, Stop: 39199, Start Num: 53
Candidate Starts for Topgun_58:
(Start: 53 @39675 has 40 MA's), (146, 39270), (169, 39231),

Gene: Toro_61 Start: 42286, Stop: 41837, Start Num: 77
Candidate Starts for Toro_61:
(Start: 77 @42286 has 1 MA's), (82, 42280), (88, 42262), (106, 42151), (122, 41995), (125, 41980), (135, 41923), (136, 41920), (146, 41878), (147, 41869), (151, 41860),

Gene: Tote_56 Start: 38009, Stop: 37500, Start Num: 32
Candidate Starts for Tote_56:
(Start: 32 @38009 has 203 MA's), (97, 37895), (128, 37667), (146, 37589), (169, 37550),

Gene: Traft412_62 Start: 41416, Stop: 40925, Start Num: 32
Candidate Starts for Traft412_62:
(Start: 32 @41416 has 203 MA's), (146, 41011), (169, 40972),

Gene: Travvers_62 Start: 39611, Stop: 39114, Start Num: 34
Candidate Starts for Travvers_62:
(Start: 34 @39611 has 3 MA's), (Start: 65 @39575 has 21 MA's), (Start: 87 @39533 has 3 MA's), (91, 39521), (126, 39263), (134, 39218),

Gene: Treddle_61 Start: 42195, Stop: 41701, Start Num: 53
Candidate Starts for Treddle_61:
(Start: 53 @42195 has 40 MA's), (146, 41790), (169, 41751),

Gene: Trike_56 Start: 38142, Stop: 37657, Start Num: 40
Candidate Starts for Trike_56:
(Start: 40 @38142 has 43 MA's), (106, 37950), (148, 37689), (157, 37671),

Gene: Tripl3t_62 Start: 43127, Stop: 42633, Start Num: 32
Candidate Starts for Tripl3t_62:
(Start: 32 @43127 has 203 MA's), (146, 42722), (169, 42683),

Gene: Tristan_60 Start: 40624, Stop: 40148, Start Num: 47
Candidate Starts for Tristan_60:
(Start: 43 @40630 has 14 MA's), (Start: 47 @40624 has 170 MA's), (98, 40498), (126, 40297),

Gene: Trixie_60 Start: 39882, Stop: 39415, Start Num: 47
Candidate Starts for Trixie_60:
(Start: 47 @39882 has 170 MA's), (118, 39606), (123, 39579), (126, 39558),

Gene: Trooper_63 Start: 40302, Stop: 39829, Start Num: 47
Candidate Starts for Trooper_63:
(Start: 27 @40326 has 1 MA's), (29, 40323), (Start: 43 @40308 has 14 MA's), (Start: 47 @40302 has 170 MA's), (98, 40173), (126, 39972),

Gene: Trouble_61 Start: 41329, Stop: 40853, Start Num: 32
Candidate Starts for Trouble_61:
(Start: 32 @41329 has 203 MA's), (146, 40924), (169, 40885),

Gene: TroyPia_59 Start: 38976, Stop: 38506, Start Num: 41
Candidate Starts for TroyPia_59:
(Start: 41 @38976 has 207 MA's), (106, 38787),

Gene: Tubs_63 Start: 39912, Stop: 39448, Start Num: 47
Candidate Starts for Tubs_63:
(Start: 47 @39912 has 170 MA's), (118, 39645), (123, 39618), (126, 39597), (144, 39510),

Gene: Tucker_64 Start: 38793, Stop: 38293, Start Num: 51
Candidate Starts for Tucker_64:
(Start: 47 @38796 has 170 MA's), (Start: 51 @38793 has 20 MA's), (126, 38469),

Gene: Tuco_22 Start: 13333, Stop: 13848, Start Num: 46
Candidate Starts for Tuco_22:
(Start: 46 @13333 has 19 MA's), (Start: 75 @13378 has 31 MA's), (119, 13630), (136, 13726),

Gene: Turbido_63 Start: 40194, Stop: 39715, Start Num: 43
Candidate Starts for Turbido_63:
(Start: 27 @40212 has 1 MA's), (Start: 43 @40194 has 14 MA's), (Start: 47 @40188 has 170 MA's), (98, 40059), (126, 39858),

Gene: Turj99_57 Start: 41394, Stop: 40915, Start Num: 58
Candidate Starts for Turj99_57:
(Start: 22 @41427 has 2 MA's), (Start: 58 @41394 has 7 MA's), (97, 41289), (128, 41061), (146, 40983),

Gene: Twigg_57 Start: 39406, Stop: 38942, Start Num: 53
Candidate Starts for Twigg_57:
(Start: 43 @39421 has 14 MA's), (Start: 53 @39406 has 40 MA's), (97, 39298), (106, 39238), (130, 39061), (146, 38986), (157, 38956),

Gene: Twister_57 Start: 38835, Stop: 38350, Start Num: 40
Candidate Starts for Twister_57:
(11, 38901), (Start: 40 @38835 has 43 MA's), (106, 38643), (144, 38400), (149, 38379), (151, 38376), (157, 38364),

Gene: TwoPeat_62 Start: 41579, Stop: 41085, Start Num: 32
Candidate Starts for TwoPeat_62:
(Start: 32 @41579 has 203 MA's), (169, 41135),

Gene: TygerBlood_58 Start: 38978, Stop: 38508, Start Num: 41
Candidate Starts for TygerBlood_58:
(Start: 41 @38978 has 207 MA's), (106, 38789),

Gene: U2_58 Start: 41121, Stop: 40633, Start Num: 32
Candidate Starts for U2_58:
(Start: 32 @41121 has 203 MA's), (97, 41007), (128, 40779), (146, 40701), (170, 40638),

Gene: Ugenie5_60 Start: 40322, Stop: 39858, Start Num: 47

Candidate Starts for Ugenie5_60:
(Start: 47 @40322 has 170 MA's), (118, 40055), (123, 40028), (126, 40007), (144, 39920),

Gene: UhSalsa_51 Start: 36741, Stop: 36301, Start Num: 73
Candidate Starts for UhSalsa_51:
(Start: 73 @36741 has 34 MA's), (99, 36639), (122, 36462), (128, 36423), (130, 36420), (131, 36411), (146, 36345),

Gene: Ulysses_57 Start: 38655, Stop: 38185, Start Num: 41
Candidate Starts for Ulysses_57:
(Start: 41 @38655 has 207 MA's), (106, 38466),

Gene: UnionJack_60 Start: 39620, Stop: 39156, Start Num: 53
Candidate Starts for UnionJack_60:
(Start: 43 @39635 has 14 MA's), (Start: 53 @39620 has 40 MA's), (97, 39512), (106, 39452), (130, 39275), (146, 39200), (157, 39170),

Gene: Updawg_63 Start: 39838, Stop: 39365, Start Num: 47
Candidate Starts for Updawg_63:
(Start: 43 @39844 has 14 MA's), (Start: 47 @39838 has 170 MA's), (98, 39709), (126, 39508),

Gene: VA6_63 Start: 40168, Stop: 39695, Start Num: 47
Candidate Starts for VA6_63:
(Start: 47 @40168 has 170 MA's), (126, 39838),

Gene: VC3_64 Start: 40015, Stop: 39551, Start Num: 47
Candidate Starts for VC3_64:
(Start: 47 @40015 has 170 MA's), (126, 39700), (134, 39655),

Gene: Vagabond_10 Start: 3503, Stop: 3018, Start Num: 75
Candidate Starts for Vagabond_10:
(Start: 75 @3503 has 31 MA's), (94, 3443), (120, 3230), (121, 3218),

Gene: Vanisoa_63 Start: 41016, Stop: 40552, Start Num: 47
Candidate Starts for Vanisoa_63:
(Start: 47 @41016 has 170 MA's), (118, 40749), (123, 40722), (126, 40701), (165, 40560),

Gene: Veracruz_59 Start: 39338, Stop: 38880, Start Num: 44
Candidate Starts for Veracruz_59:
(Start: 44 @39338 has 37 MA's), (91, 39260), (92, 39257), (106, 39158), (123, 39023), (144, 38915), (151, 38891),

Gene: Violet_58 Start: 42553, Stop: 42059, Start Num: 53
Candidate Starts for Violet_58:
(Start: 53 @42553 has 40 MA's), (106, 42397), (146, 42148), (169, 42109),

Gene: Vix_62 Start: 39704, Stop: 39228, Start Num: 41
Candidate Starts for Vix_62:
(Start: 35 @39710 has 25 MA's), (Start: 41 @39704 has 207 MA's), (Start: 87 @39629 has 3 MA's), (144, 39272), (156, 39239),

Gene: VohminGhazi_63 Start: 38584, Stop: 38081, Start Num: 47
Candidate Starts for VohminGhazi_63:

(Start: 47 @38584 has 170 MA's), (Start: 51 @38581 has 20 MA's), (126, 38257),

Gene: Vorrps_10 Start: 3349, Stop: 2729, Start Num: 75
Candidate Starts for Vorrps_10:
(Start: 75 @3349 has 31 MA's), (120, 3076), (165, 2887), (168, 2863), (173, 2788),

Gene: Waits_70 Start: 40007, Stop: 39549, Start Num: 43
Candidate Starts for Waits_70:
(31, 40025), (Start: 43 @40007 has 14 MA's), (95, 39917), (122, 39707), (147, 39581), (156, 39563),

Gene: WalterMcMickey_57 Start: 38835, Stop: 38350, Start Num: 40
Candidate Starts for WalterMcMickey_57:
(11, 38901), (Start: 40 @38835 has 43 MA's), (106, 38643), (144, 38400), (149, 38379), (151, 38376), (157, 38364),

Gene: Wanda_129 Start: 68901, Stop: 69377, Start Num: 52
Candidate Starts for Wanda_129:
(25, 68856), (Start: 52 @68901 has 35 MA's), (122, 69219), (123, 69222), (128, 69258), (144, 69330), (149, 69351),

Gene: Wander_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Wander_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Warrior24_72 Start: 40465, Stop: 39983, Start Num: 38
Candidate Starts for Warrior24_72:
(Start: 38 @40465 has 1 MA's), (Start: 81 @40402 has 2 MA's), (93, 40360), (98, 40318), (118, 40165), (122, 40141), (147, 40015), (156, 39997),

Gene: Watermelon_60 Start: 40292, Stop: 39816, Start Num: 32
Candidate Starts for Watermelon_60:
(Start: 32 @40292 has 203 MA's), (146, 39887), (169, 39848),

Gene: Watson_63 Start: 39613, Stop: 39137, Start Num: 41
Candidate Starts for Watson_63:
(Start: 35 @39619 has 25 MA's), (Start: 41 @39613 has 207 MA's), (Start: 87 @39538 has 3 MA's), (144, 39181), (156, 39148),

Gene: WeiHuaDA_62 Start: 40602, Stop: 40135, Start Num: 47
Candidate Starts for WeiHuaDA_62:
(Start: 47 @40602 has 170 MA's), (118, 40326), (123, 40299), (126, 40278),

Gene: Whabigail7_63 Start: 40173, Stop: 39700, Start Num: 47
Candidate Starts for Whabigail7_63:
(Start: 47 @40173 has 170 MA's), (98, 40044), (126, 39843),

Gene: Wheeler_59 Start: 40097, Stop: 39621, Start Num: 32
Candidate Starts for Wheeler_59:
(Start: 32 @40097 has 203 MA's), (146, 39692), (169, 39653),

Gene: Whitspit_56 Start: 37855, Stop: 37364, Start Num: 32
Candidate Starts for Whitspit_56:
(Start: 32 @37855 has 203 MA's), (146, 37450), (169, 37411),

Gene: WideWale_63 Start: 39838, Stop: 39365, Start Num: 47
Candidate Starts for WideWale_63:
(Start: 43 @39844 has 14 MA's), (Start: 47 @39838 has 170 MA's), (98, 39709), (126, 39508),

Gene: Wiks_63 Start: 38695, Stop: 38195, Start Num: 51
Candidate Starts for Wiks_63:
(Start: 47 @38698 has 170 MA's), (Start: 51 @38695 has 20 MA's), (126, 38371),

Gene: Wilbur_58 Start: 38975, Stop: 38505, Start Num: 41
Candidate Starts for Wilbur_58:
(Start: 41 @38975 has 207 MA's), (106, 38786),

Gene: Wildflower_10 Start: 3463, Stop: 2978, Start Num: 75
Candidate Starts for Wildflower_10:
(Start: 75 @3463 has 31 MA's), (94, 3403), (120, 3190), (121, 3178),

Gene: Wile_56 Start: 38834, Stop: 38364, Start Num: 41
Candidate Starts for Wile_56:
(36, 38840), (Start: 41 @38834 has 207 MA's), (106, 38645), (151, 38378),

Gene: Wilkins_58 Start: 39605, Stop: 39129, Start Num: 53
Candidate Starts for Wilkins_58:
(Start: 53 @39605 has 40 MA's), (146, 39200), (169, 39161),

Gene: WilliamBoone_132 Start: 71530, Stop: 71970, Start Num: 78
Candidate Starts for WilliamBoone_132:
(Start: 74 @71527 has 1 MA's), (Start: 78 @71530 has 3 MA's), (Start: 87 @71554 has 3 MA's), (146, 71926),

Gene: Winget_10 Start: 3502, Stop: 3017, Start Num: 75
Candidate Starts for Winget_10:
(Start: 75 @3502 has 31 MA's), (94, 3442), (120, 3229), (121, 3217),

Gene: Wintermute_76 Start: 48607, Stop: 49083, Start Num: 69
Candidate Starts for Wintermute_76:
(Start: 52 @48583 has 35 MA's), (Start: 69 @48607 has 19 MA's), (Start: 73 @48619 has 34 MA's), (89, 48655), (96, 48691), (97, 48709), (99, 48727), (127, 48940), (133, 48976), (135, 48979), (150, 49048), (163, 49072),

Gene: Wizard007_58 Start: 38983, Stop: 38513, Start Num: 41
Candidate Starts for Wizard007_58:
(Start: 41 @38983 has 207 MA's), (106, 38794),

Gene: Wogge42_10 Start: 3487, Stop: 2867, Start Num: 75
Candidate Starts for Wogge42_10:
(Start: 75 @3487 has 31 MA's), (120, 3214), (165, 3025), (168, 3001), (173, 2926),

Gene: Wolpertinger_59 Start: 38919, Stop: 38422, Start Num: 40
Candidate Starts for Wolpertinger_59:
(Start: 40 @38919 has 43 MA's), (Start: 65 @38883 has 21 MA's), (Start: 87 @38841 has 3 MA's), (104, 38748), (117, 38625), (124, 38583), (126, 38571), (162, 38436),

Gene: Wooldri_66 Start: 39533, Stop: 39057, Start Num: 41
Candidate Starts for Wooldri_66:
(Start: 35 @39539 has 25 MA's), (Start: 41 @39533 has 207 MA's), (Start: 87 @39458 has 3 MA's), (144, 39101), (156, 39068),

Gene: WorldCup_61 Start: 39661, Stop: 39197, Start Num: 47
Candidate Starts for WorldCup_61:
(Start: 44 @39664 has 37 MA's), (Start: 47 @39661 has 170 MA's), (123, 39367), (126, 39346),

Gene: WunderPhul_64 Start: 38693, Stop: 38193, Start Num: 51
Candidate Starts for WunderPhul_64:
(Start: 47 @38696 has 170 MA's), (Start: 51 @38693 has 20 MA's), (126, 38369),

Gene: Xena_55 Start: 38800, Stop: 38330, Start Num: 41
Candidate Starts for Xena_55:
(36, 38806), (Start: 41 @38800 has 207 MA's), (106, 38611), (151, 38344),

Gene: XianYue_60 Start: 39341, Stop: 38868, Start Num: 47
Candidate Starts for XianYue_60:
(29, 39362), (Start: 43 @39347 has 14 MA's), (Start: 47 @39341 has 170 MA's), (126, 39011), (144, 38924),

Gene: Xiaokay_124 Start: 68839, Stop: 69315, Start Num: 52
Candidate Starts for Xiaokay_124:
(Start: 52 @68839 has 35 MA's), (122, 69157), (123, 69160), (128, 69196), (144, 69268), (149, 69289),

Gene: Y10_73 Start: 48583, Stop: 49059, Start Num: 69
Candidate Starts for Y10_73:
(Start: 52 @48559 has 35 MA's), (Start: 69 @48583 has 19 MA's), (Start: 73 @48595 has 34 MA's), (89, 48631), (96, 48667), (97, 48685), (99, 48703), (117, 48847), (118, 48853), (127, 48916), (133, 48952), (135, 48955), (150, 49024), (163, 49048),

Gene: Y2_73 Start: 48583, Stop: 49059, Start Num: 69
Candidate Starts for Y2_73:
(Start: 52 @48559 has 35 MA's), (Start: 69 @48583 has 19 MA's), (Start: 73 @48595 has 34 MA's), (89, 48631), (96, 48667), (97, 48685), (99, 48703), (117, 48847), (118, 48853), (127, 48916), (133, 48952), (135, 48955), (150, 49024), (163, 49048),

Gene: YasnayaPolyana_75 Start: 48408, Stop: 48908, Start Num: 52
Candidate Starts for YasnayaPolyana_75:
(Start: 52 @48408 has 35 MA's), (Start: 69 @48432 has 19 MA's), (Start: 73 @48444 has 34 MA's), (89, 48480), (96, 48516), (97, 48534), (99, 48552), (117, 48696), (118, 48702), (127, 48765), (133, 48801), (135, 48804), (150, 48873), (163, 48897),

Gene: YassJohnny_22 Start: 13333, Stop: 13848, Start Num: 46
Candidate Starts for YassJohnny_22:
(Start: 46 @13333 has 19 MA's), (Start: 75 @13378 has 31 MA's), (119, 13630), (136, 13726),

Gene: Yecey3_64 Start: 39908, Stop: 39444, Start Num: 47
Candidate Starts for Yecey3_64:
(Start: 47 @39908 has 170 MA's), (123, 39614), (126, 39593),

Gene: Yeet_122 Start: 70488, Stop: 70964, Start Num: 52

Candidate Starts for Yeet_122:
(Start: 52 @70488 has 35 MA's), (122, 70806), (123, 70809), (128, 70845), (144, 70917), (149, 70938),

Gene: YoSam321_58 Start: 38972, Stop: 38502, Start Num: 41
Candidate Starts for YoSam321_58:
(Start: 41 @38972 has 207 MA's), (106, 38783),

Gene: Yogi_51 Start: 37150, Stop: 36578, Start Num: 73
Candidate Starts for Yogi_51:
(Start: 73 @37150 has 34 MA's), (99, 37048), (122, 36871), (124, 36859), (132, 36808), (146, 36754), (155, 36730), (161, 36715), (171, 36622),

Gene: Yokurt_63 Start: 38698, Stop: 38195, Start Num: 47
Candidate Starts for Yokurt_63:
(Start: 47 @38698 has 170 MA's), (Start: 51 @38695 has 20 MA's), (126, 38371),

Gene: YoyoKar_9 Start: 3158, Stop: 2673, Start Num: 75
Candidate Starts for YoyoKar_9:
(Start: 75 @3158 has 31 MA's), (94, 3098), (120, 2885), (121, 2873), (158, 2714),

Gene: YungJamal_11 Start: 3791, Stop: 3306, Start Num: 75
Candidate Starts for YungJamal_11:
(Start: 75 @3791 has 31 MA's), (94, 3731), (120, 3518), (121, 3506),

Gene: Yvonnetastic_141 Start: 77774, Stop: 78214, Start Num: 76
Candidate Starts for Yvonnetastic_141:
(Start: 76 @77774 has 11 MA's), (107, 77921), (118, 78023), (128, 78095), (130, 78098), (146, 78173), (147, 78182), (159, 78209),

Gene: Zaka_64 Start: 38695, Stop: 38195, Start Num: 51
Candidate Starts for Zaka_64:
(Start: 47 @38698 has 170 MA's), (Start: 51 @38695 has 20 MA's), (126, 38371),

Gene: Zakhe101_11 Start: 3815, Stop: 3330, Start Num: 75
Candidate Starts for Zakhe101_11:
(Start: 75 @3815 has 31 MA's), (94, 3755), (120, 3542), (121, 3530),

Gene: Zarafa_60 Start: 39298, Stop: 38837, Start Num: 44
Candidate Starts for Zarafa_60:
(5, 39460), (8, 39421), (Start: 44 @39298 has 37 MA's), (92, 39214), (104, 39136), (106, 39115), (146, 38866), (151, 38848),

Gene: Zebo_9 Start: 3151, Stop: 2666, Start Num: 75
Candidate Starts for Zebo_9:
(Start: 75 @3151 has 31 MA's), (94, 3091), (120, 2878), (121, 2866), (158, 2707),

Gene: Zeeculate_57 Start: 41042, Stop: 40566, Start Num: 32
Candidate Starts for Zeeculate_57:
(Start: 32 @41042 has 203 MA's), (146, 40637), (169, 40598),

Gene: Zelink_125 Start: 71713, Stop: 72189, Start Num: 52
Candidate Starts for Zelink_125:

(25, 71668), (Start: 52 @71713 has 35 MA's), (122, 72031), (123, 72034), (128, 72070), (144, 72142), (149, 72163),

Gene: Zephyr_61 Start: 40459, Stop: 39965, Start Num: 32
Candidate Starts for Zephyr_61:
(Start: 32 @40459 has 203 MA's), (146, 40054), (169, 40015),

Gene: Zetzy_63 Start: 39184, Stop: 38708, Start Num: 41
Candidate Starts for Zetzy_63:
(Start: 35 @39190 has 25 MA's), (Start: 41 @39184 has 207 MA's), (Start: 87 @39109 has 3 MA's), (144, 38752), (156, 38719),

Gene: Zeuska_59 Start: 41773, Stop: 41279, Start Num: 32
Candidate Starts for Zeuska_59:
(Start: 32 @41773 has 203 MA's), (146, 41368), (169, 41329),

Gene: Zimmer_59 Start: 40719, Stop: 40255, Start Num: 47
Candidate Starts for Zimmer_59:
(Start: 32 @40734 has 203 MA's), (Start: 47 @40719 has 170 MA's), (123, 40425), (126, 40404), (146, 40311),

Gene: Zolita_59 Start: 40380, Stop: 39916, Start Num: 53
Candidate Starts for Zolita_59:
(Start: 43 @40395 has 14 MA's), (Start: 53 @40380 has 40 MA's), (97, 40272), (106, 40212), (130, 40035), (136, 40002), (146, 39960), (157, 39930),

Gene: Zulu_65 Start: 39073, Stop: 38573, Start Num: 51
Candidate Starts for Zulu_65:
(Start: 47 @39076 has 170 MA's), (Start: 51 @39073 has 20 MA's), (126, 38749),

Gene: xkcd_22 Start: 12993, Stop: 13508, Start Num: 46
Candidate Starts for xkcd_22:
(Start: 46 @12993 has 19 MA's), (Start: 75 @13038 has 31 MA's), (119, 13290), (136, 13386),