

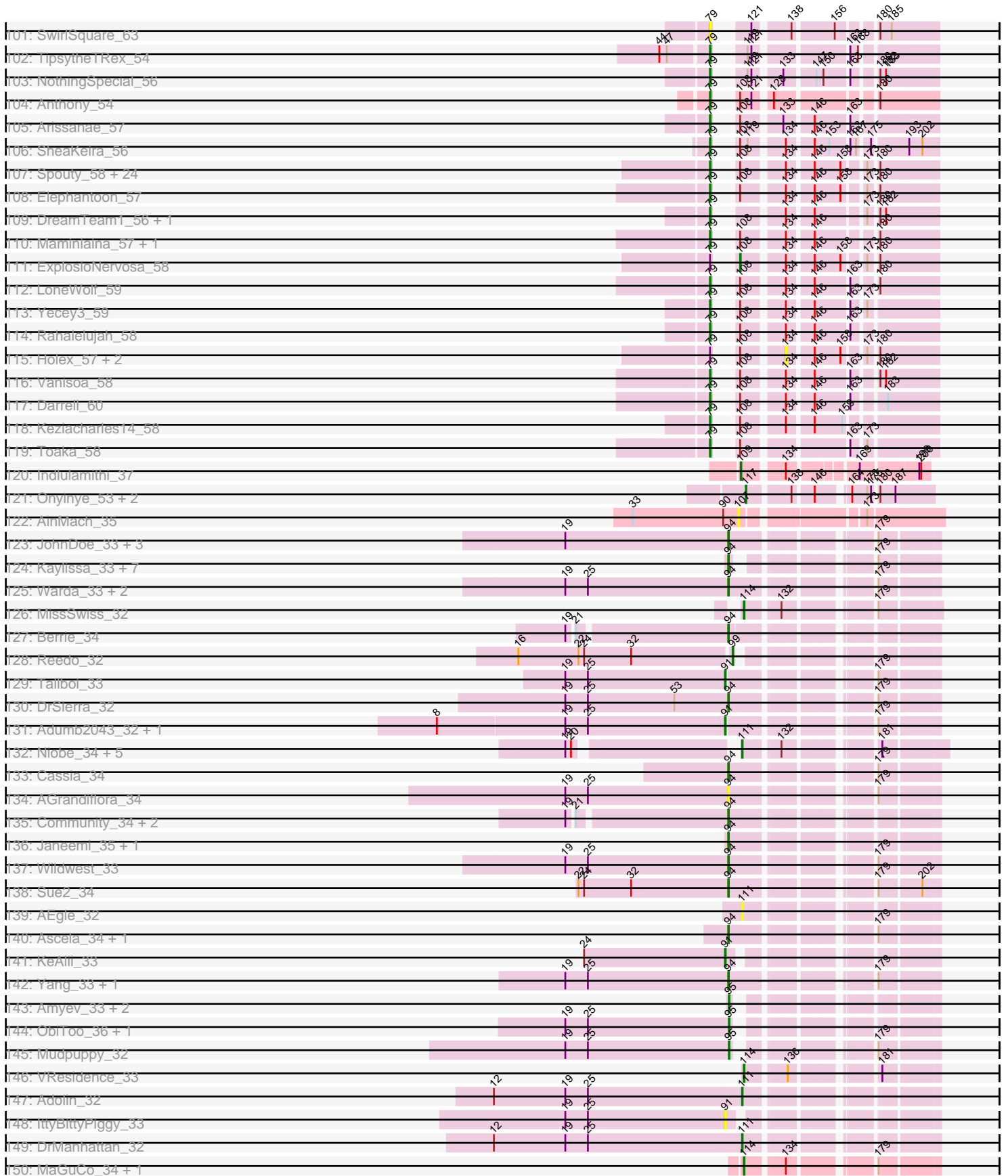
Pham 202527

1: Gompell16_61 + 3	138	142	149	164	175
2: GrecoEtereo_61 + 34	138	142	149	164	175
3: Onno789_62 + 3	138	142	149	164	175
4: Monel_65 + 2	138	142	149	164	175
5: Peterson_66 + 1	138	142	149	164	175
6: Gwendoluna_65	138	142	149	164	175
7: Buttons_59 + 12	138	142	149	164	175
8: PacerPaul_61	138	142	149	164	175
9: KylMonks1A_65 + 4	138	142	149	164	175
10: Homines_54 + 27	138	142	149	164	175
11: Fajezeel_63 + 3	138	142	149	164	175
12: Beatrix_61	138	142	149	164	175
13: Sumter_58 + 2	138	142	149	164	175
14: Eyeball_64	138	142	149	164	175
15: StrongArm_60 + 1	138	142	149	164	175
16: STLscum_70 + 1	138	142	149	164	175
17: Zeuska_67	138	142	149	164	175
18: Trouble_63	138	142	149	164	175
19: Parasetene_60 + 1	138	142	149	164	175
20: SarFire_61 + 1	138	142	149	164	175
21: Pepe_60	138	142	149	164	175
22: Naira_64 + 1	138	142	149	164	175
23: Arcanine_64 + 2	138	142	149	164	175
24: Dulcie_62 + 3	138	142	149	164	175
25: StewieG_57	138	142	149	164	175
26: Rutherford_64 + 1	138	142	149	164	175
27: Gyzlar_57 + 1	138	142	149	164	175
28: Rulus_63 + 3	138	142	149	164	175
29: Abrogate_610	138	142	149	164	175
30: BPBiebs31_64	138	142	149	164	175
31: Wheeler_64 + 1	138	142	149	164	175
32: Marsha_61	138	142	149	164	175
33: Oogway_61	138	142	149	164	175
34: TheIoniousMonk_65	138	142	149	164	175
35: Mryoio_58	138	142	149	164	175
36: Marcell_58	138	142	149	164	175
37: iLeeKay_64 + 4	138	142	149	164	175
38: Smeagol_64 + 1	138	142	149	164	175
39: DD5_60 + 1	138	142	149	164	175
40: JackSparrow_64	138	142	149	164	175
41: Mikhuseil_58	138	142	149	164	175
42: Sanya_57	138	142	149	164	175
43: Squee_63	138	142	149	164	175
44: Angletish_62 + 1	138	142	149	164	175
45: Turj99_60	138	142	149	164	175
46: RidgeCB_61	138	142	149	164	175
47: Scowl_63 + 1	138	142	149	164	175
48: Blue_61	138	142	149	164	175
49: Carlyle_62	138	142	149	164	175
50: Maroc7_59	138	142	149	164	175

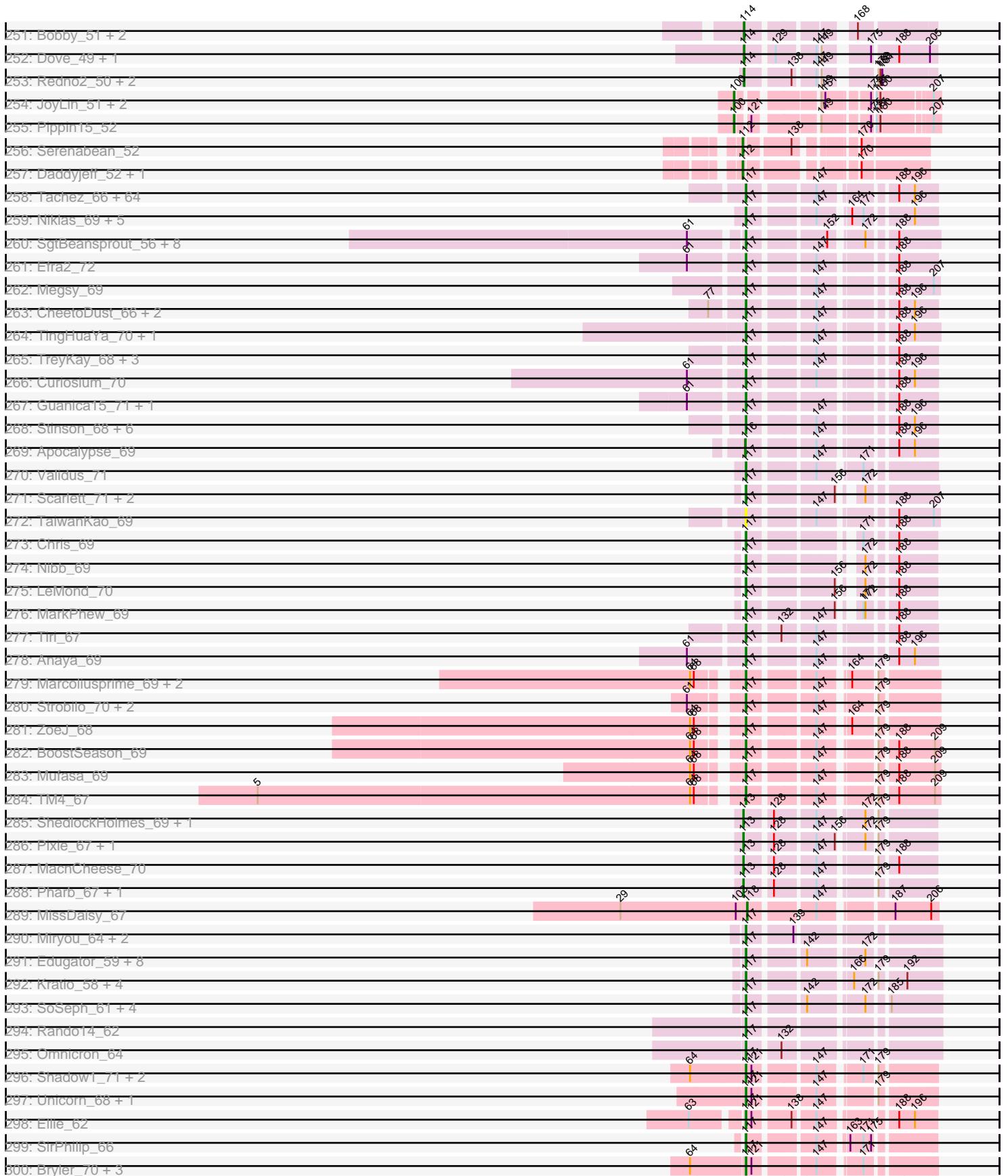
Pham 202527



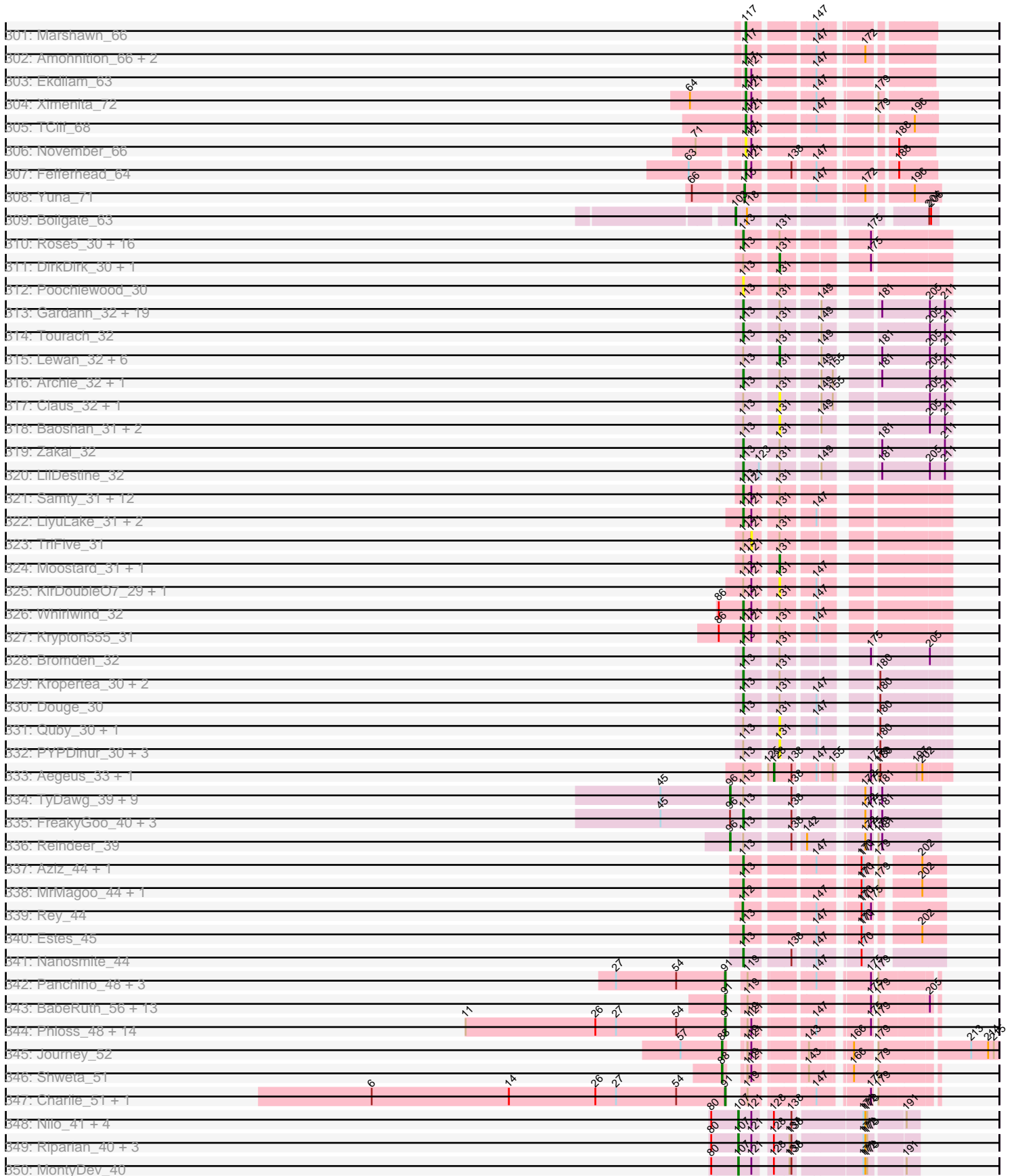
Pham 202527



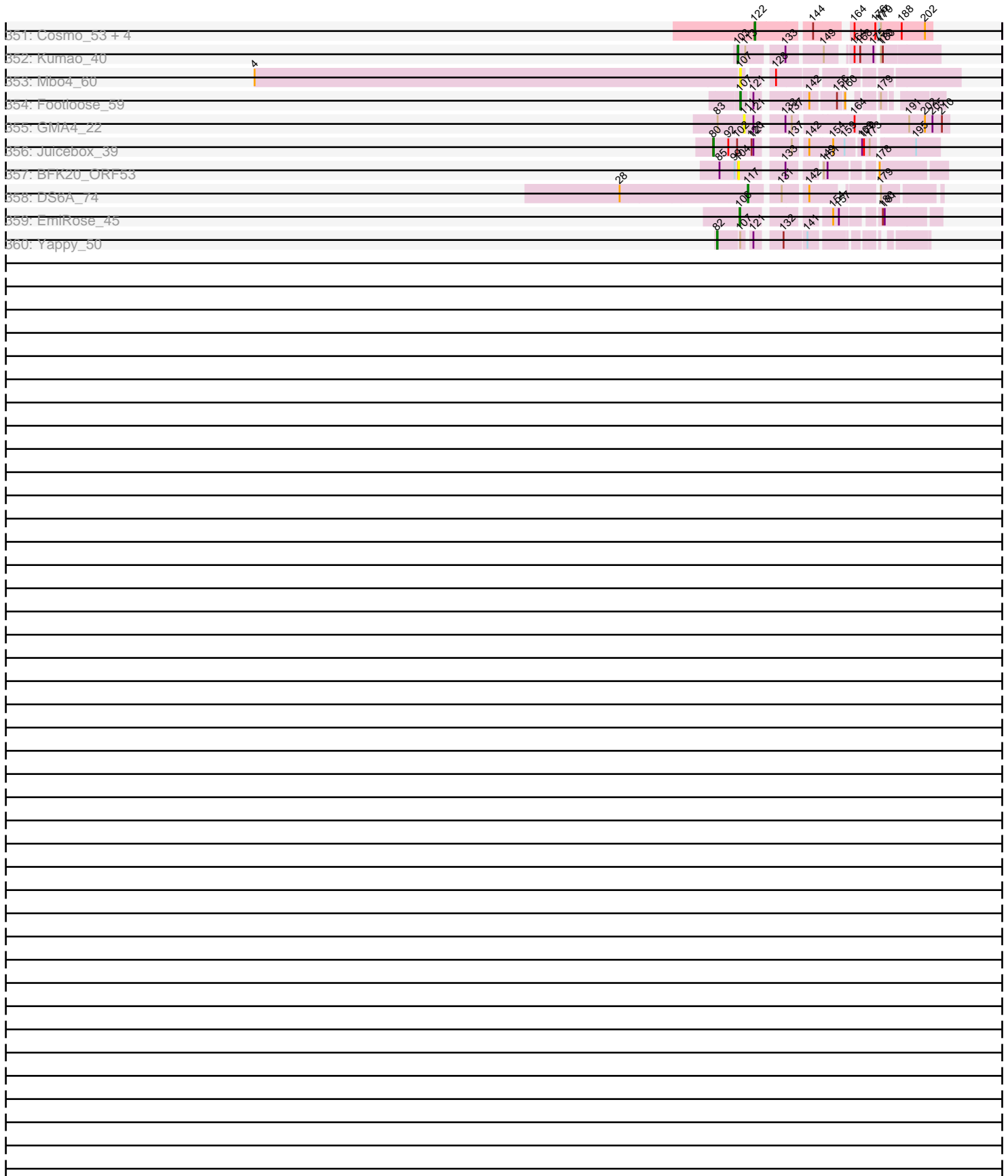
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Pham 202527



Pham 202527



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 202527 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202527 has 1107 members, 127 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : GrecoEtereo_61, Sagefire_64, Swole_63, Marge_59, Hami1_57, Ashballer_65, QTRlifeCrisis_62, A6_54, ConceptII_64, Violet_60, Smairt_64, Abbyshoes_63, BigPaolini_59, Rajelicia_62, Gandalf20_64, BK1_54, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, Mule_59, Nerujay_64, JuliaChild_63, PascalRango_60, Doom_60, LilBib_62, Edtherson_61, PSullivan_60, Licorice_63, Hermia_60, Bigfoot_54, Norz_62, BaconJack_66, Ciao_60, Tote_58
- Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 4 : Monet_65, Marchy_56, Payneful_60
- Track 5 : Peterson_66, Lesedi_58
- Track 6 : Gwendoluna_65
- Track 7 : Buttons_59, Kenmech_65, HarryOW_60, KSSJEB_62, Papez_64, Pippin_62, Pita2_63, PattyP_64, Fushigi_58, Espresso_59, Aeneas_65, Fascinus_56, PhrostyMug_62
- Track 8 : PacerPaul_61
- Track 9 : KyMonks1A_65, Sorpresa_59, Sandaddy_58, Tripl3t_65, Magnar_60
- Track 10 : Homines_54, SpikeBT_60, Burton_63, MaryBeth_60, Jerm2_64, Corvo_63, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Barriga_65, Bxb1_56, Petruccio_62, Niza_64, NEHalo_59, Ajay_62, Graduation_66, Froghopper_60, Big3_63, MetalQZJ_59, Ichabod_66, Target_64, Dexes_62, Pelly_63, Hope4ever_63, Jorgensen_65, Solon_61, AFIS_58
- Track 11 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 12 : Beatrix_61
- Track 13 : Sumter_58, Thor_61, Pari_65
- Track 14 : Eyeball_64
- Track 15 : StrongArm_60, Bexan_59
- Track 16 : STLscum_70, Ringer_62
- Track 17 : Zeuska_67
- Track 18 : Trouble_63
- Track 19 : Paraselene_60, Inyanga_57
- Track 20 : SarFire_61, Bethlehem_61
- Track 21 : Pepe_60
- Track 22 : Naira_64, Fenn_64
- Track 23 : Arcanine_64, Slagathor_64, TwoPeat_63
- Track 24 : Dulcie_62, Ruotula_64, DrFeelGood_58, Traft412_64
- Track 25 : StewieG_57
- Track 26 : Rutherford_64, Rhynn_60

- Track 27 : Gyzlar_57, Rubeus_60
- Track 28 : Rufus_63, Atkinbua_64, Makemake_64, Pinto_62
- Track 29 : Abrogate_610
- Track 30 : BPBiebs31_64
- Track 31 : Wheeler_64, Michley_65
- Track 32 : Marsha_61
- Track 33 : Oogway_61
- Track 34 : TheloniousMonk_65
- Track 35 : Mryolo_58
- Track 36 : Marcell_58
- Track 37 : ILeeKay_64, ShortQueendom_54, Kanely_63, Altman_64, Snazzy_60
- Track 38 : Smeagol_64, Teodoridan_60
- Track 39 : DD5_60, Lockley_59
- Track 40 : JackSparrow_64
- Track 41 : Mkhuseji_58
- Track 42 : Sanya_57
- Track 43 : Squee_63
- Track 44 : Anglerfish_62, Manatee_62
- Track 45 : Turj99_60
- Track 46 : RidgeCB_61
- Track 47 : Scowl_63, KBG_63
- Track 48 : Blue_61
- Track 49 : Carlyle_62
- Track 50 : Maroc7_59
- Track 51 : JC27_65
- Track 52 : BeesKnees_64
- Track 53 : Treddle_63
- Track 54 : Sunshine924_67
- Track 55 : Alvin_62
- Track 56 : Lopton_60
- Track 57 : Euphoria_60
- Track 58 : Applejack_60
- Track 59 : Magnito_60
- Track 60 : Dynamix_64
- Track 61 : Flaverint_58, Bud_57, Jabith_58, Mulciber_57, Hutc2_57, Munch_58, Orange_57, Insomnia_58, TinyTimmy_57, Et2Brutus_56, Ebony_57, Fibonacci_57, Bowtie_58, Joselito_58, Sham4_57, Snape_57, Gilberta_58, Salz_56, Timothy_57, Aneem_58, Lucivia_58, Petersenfast_56
- Track 62 : MaCh_58, Bachome_59
- Track 63 : Mabel_57
- Track 64 : Pharaoh_53
- Track 65 : Steamy_54
- Track 66 : Refuge_56, Zimmer_55
- Track 67 : DarthPhader_54
- Track 68 : Phlei_47
- Track 69 : Rosalind_62, Looper_63, Epsocamisio_61, LastResort_62, Strosahl_64, Waits_64, JSwag_63, Remus_64, ReMo_62
- Track 70 : Anon_61
- Track 71 : Boohoo_64, Anaysia_64, Nebulosus_62
- Track 72 : Battleship_66, ShayRa_64, Soups_64, Switzerland_63, DekHockey33_65
- Track 73 : Oofda_65, Warrior24_67
- Track 74 : MinecraftSteve_64, KatherineG_64
- Track 75 : Nedarya_60

- Track 76 : PainterBoy_59
- Track 77 : Lucyedi_59
- Track 78 : EagleEye_60
- Track 79 : 40AC_59
- Track 80 : Adzzy_59
- Track 81 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, Agape74_60, Smeagan_61, SnapTap_58, LilTurb_59, SemperFi_59, Crucio_58, KingCyrus_60, QueenBeesly_58
- Track 82 : Georgie2_59, AbbyPaige_60, Turbido_59, SweetiePie_58
- Track 83 : Larenn_57, Malec_58
- Track 84 : Jsquared_56, Quokka_56, Bradman_57, MajorMajor_57
- Track 85 : Caraxes_58, Odin_56, Superchunk_56
- Track 86 : Duplo_60, DBQu4n_60, StarStuff_60, Pomar16_60, D32_59, Travvers_60, Naji_60, Kerberos_60, D29_56, Tomathan_60
- Track 87 : Che12_59
- Track 88 : L5_56, Koduck_59
- Track 89 : Lokk_55, Rachaly_57, BobSwaget_54
- Track 90 : Buggy_60
- Track 91 : Miko_55
- Track 92 : DudeLittle_57, Anselm_59, Dalmatian_59, Retro23_59
- Track 93 : QueenB2_57, Fameo_58, Heffalump_57
- Track 94 : Journey13_52
- Track 95 : Ph8s_59
- Track 96 : MissWhite_57
- Track 97 : Herbertwm_56
- Track 98 : Serenity_58
- Track 99 : C3_56, VC3_61, AN9_61, ANI8_61
- Track 100 : Acolyte_53
- Track 101 : SwirlSquare_63
- Track 102 : TopsytheTRex_54
- Track 103 : NothingSpecial_56
- Track 104 : Anthony_54
- Track 105 : Arissanae_57
- Track 106 : SheaKeira_56
- Track 107 : Spouty_58, RyeScarlet_59, Onglai_56, Beemo_58, Eidsmoe_58, Conquerage_58, Scherzo_58, Fayely_58, Lilleskat_56, Priya_58, Myxus_58, HortumSL17_58, Catalina_59, Aliter_58, Qobbit_58, Ugenie5_55, Alma_58, Pioneer_58, Phonnegut_58, Phaeder_58, Sachima_55, EmyBug_57, Jiawan_56, Tubs_58, PackMan_57
- Track 108 : Elephantoon_57
- Track 109 : DreamTeam1_56, Charm_56
- Track 110 : Maminiaina_57, BogosyJay_57
- Track 111 : ExplosioNervosa_58
- Track 112 : LoneWolf_59
- Track 113 : Yecey3_59
- Track 114 : Rahalelujah_58
- Track 115 : Horex_57, EdogawaKiddo_56, Hanray_56
- Track 116 : Vanisoa_58
- Track 117 : Darrell_60
- Track 118 : Keziacharles14_58
- Track 119 : Toaka_58
- Track 120 : Indlulamithi_37

- Track 121 : Onyinye_53, Leopard_52, Aikoy_52
- Track 122 : AinMach_35
- Track 123 : JohnDoe_33, Cyan_33, Joemato_33, Simpson_35
- Track 124 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
- Track 125 : Warda_33, Tutumahutu_33, Tbone_32
- Track 126 : MissSwiss_32
- Track 127 : Berrie_34
- Track 128 : Reedo_32
- Track 129 : Tallboi_33
- Track 130 : DrSierra_32
- Track 131 : Adumb2043_32, Turab_32
- Track 132 : Niobe_34, Eraser_34, Jstan_36, Elezi_34, Asa16_34, London_34
- Track 133 : Cassia_34
- Track 134 : AGrandiflora_34
- Track 135 : Community_34, Tuck_36, Phives_35
- Track 136 : Janeemi_35, Lego_33
- Track 137 : Wildwest_33
- Track 138 : Sue2_34
- Track 139 : AEgle_32
- Track 140 : Ascela_34, Iter_34
- Track 141 : KeAlii_33
- Track 142 : Yang_33, Shaffner_34
- Track 143 : Amyev_33, Tian_33, Pixelle_33
- Track 144 : ObiToo_36, Crewmate_37
- Track 145 : Mudpuppy_32
- Track 146 : VResidence_33
- Track 147 : Adolin_32
- Track 148 : IttyBittyPiggy_33
- Track 149 : DrManhattan_32
- Track 150 : MaGuCo_34, Maureen_36
- Track 151 : Liebe_36
- Track 152 : Tweety19_33, Snek_33
- Track 153 : JasmineDragon_39, ShakeltOph_41, MiniMommy_41
- Track 154 : VroomVroom_39
- Track 155 : Gambol_31, Cappuccino_31, Sooty_31
- Track 156 : Kalimba_31
- Track 157 : Donkey_31
- Track 158 : Moss_31
- Track 159 : Ashes_31, Halsey_31
- Track 160 : SpecialK_31
- Track 161 : Mysterium_31
- Track 162 : Thonko_81
- Track 163 : ScoobyDoobyDoo_73
- Track 164 : Greely_81, Phabba_83
- Track 165 : Myrna_77
- Track 166 : Gollum_46, Rasputin_46, BobbyDazzler_46, Lillie_46, Dinger_45, Jester_45, Bryce_45, Yoncess_45, Shuman_46, RexFury_45, Nancinator_46, Rhodalysa_46, Yogi_45, Espica_46, Bradshaw_46, Swann_46, UhSalsa_46, Natosaleda_45, CosmicSans_46, Naiad_45, Takoda_46, Bonanza_46, Belenaria_46, Harlequin_45, RER2_39, StCroix_45, TWAMP_46, Phrankenstien_46, Alatin_45, Krishelle_46, Erik_46, Alpacados_45, AngryOrchard_44
- Track 167 : Hiro_46, PhailMary_45

- Track 168 : Partridge_45
- Track 169 : RGL3_40
- Track 170 : AppleCloud_43
- Track 171 : PhinkBoden_125, Bachita_128, Cucurbita_126, Toniann_125, Engineer_127
- Track 172 : Abscondus_124, Geeche_123, Miskis_124, Culver_125, Aphelion_125, Dusty_121, Norvs_124, ClubL_125, Lozinak_125, Smoothie_126
- Track 173 : WilliamBoone_123
- Track 174 : OneUp_110
- Track 175 : BrutonGaster_100
- Track 176 : Banquo_62
- Track 177 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
- Track 178 : DinoDaryn_63, Huffy_63
- Track 179 : TinaLin_62
- Track 180 : Gspu1_55
- Track 181 : Dardanus_57
- Track 182 : Schmidt_57
- Track 183 : Catfish_63
- Track 184 : JonJames_133, Yvonnetastic_129
- Track 185 : Cardigan_134
- Track 186 : DatBoi_82
- Track 187 : Bantam_85, SpeedDemon_860
- Track 188 : Mollymur_85
- Track 189 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 190 : Skog_140
- Track 191 : Sephiroth_110
- Track 192 : Octobien14_110
- Track 193 : Kudrefre_114
- Track 194 : Syleon_115
- Track 195 : Neville_111
- Track 196 : Rabbitrun_113
- Track 197 : Trax_113
- Track 198 : Stark_38, Maxxinista_38, Moldemort_38, Emmina_38, Tarkin_39, Gage_39, HufflyPuff_36, Petra64142_39, FireRed_37, Hopey_39, Rakim_38, Czyszczon1_38, StellaBean_37, Elph10_38, Policronamos_38, Buck_36, Kostya_38, Kanye_39, Adnama_40, TeardropMSU_36, Thresher_38, GoldenSpark_39, Sassay_36, 244_39, Argent26_39, BugsBunny_35, HanKaySha_38, MISSy_36, Manda_38, Nimrod_37, MadamMonkfish_37, Easy2Say_39, BilboSwaggins_37, Myrale_37, Dumbo_37, SophKB_37, YassJohnny_38, GooberAzure_39, Miniwave_37, RiverMonster_37, PhatBacter_37, Highbury_38, Command613_38, JeTaimie_39, Icee_36, Teaspoon_38, MPhalcon_36, CrystalP_37, Kimchi_39, Asriel_36, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Tuco_38, Quallification_38, Palpatine_37, NoSleep_38, Traaww1_35, Cactus_38, Lilac_39, Filch_38, Phaux_36, Toto_37, Sotrice96_37, NelitzaMV_37, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, Bench_39, Gator_35, Phrux_37, Simpliphy_38, Hoonter_39, Elite2014_36, Misfit_37, Wiggin_40, Lilizi_39, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, DrDrey_38, Paperbeatsrock_39, Gemini_40, Cjw1_37, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, TBrady12_39, Pumpkin_39, Lilpickle_36, Pharsalus_38, Barbarian_36, xkcd_38, OrionPax_38, Rimmer_36, Murica_36, Inca_36
- Track 199 : Harella_36, Tomaszewski_36, SirDuracell_36, Glexan_35, ChotaBhai_37, Daikon_36, Youngblood_37, Balomoji_36, BadStone_36, Contagion_36, Mindy_37, Dusk_36, Flypotenuse_35, Mosby_36, Amao_37,

BigBubba_38, Pat3_36, DoctorDiddles_37, Holt_38, Cookies_37, Henry_38

- Track 200 : FairyPath_37, Phaja_37, IHOP_37, ShereKhan_39
- Track 201 : BaboJay_37, Eureka_38, Goku_38
- Track 202 : Shayna_36
- Track 203 : CliffHanger_37
- Track 204 : SunnyD_36, Teagster_37
- Track 205 : GardenState_42, IAmGroot_42
- Track 206 : Floof_43
- Track 207 : Caron_44
- Track 208 : SuMoo_44
- Track 209 : Cen1621_38
- Track 210 : Percival_43
- Track 211 : Zeta1847_35
- Track 212 : Honk_39
- Track 213 : Barnstormer_41, UtzChips_41
- Track 214 : Mabodamaca_42
- Track 215 : Gretchen_42
- Track 216 : Count_87
- Track 217 : Kikiko_7
- Track 218 : MissAmericana_7
- Track 219 : Pollywog_85
- Track 220 : Kumotta_57, MargaretKali_53
- Track 221 : DunneganBoMo_101, Ellewin_99, WaddleDee_101
- Track 222 : LeoJr_107, Atuin_105
- Track 223 : Rockabye_113
- Track 224 : GoldenEssence_97, Talia1610_108, Mimi_114, Racecar_109, Bloom_112, Patbob_109
- Track 225 : Chilliams_107
- Track 226 : Phrampa_103
- Track 227 : ReginaGlobina_107
- Track 228 : SJReid_115
- Track 229 : KSunshine22_102
- Track 230 : Vitus_40
- Track 231 : Vibaki_39
- Track 232 : Hirko_38
- Track 233 : Pitbull_58
- Track 234 : TMaxx_3
- Track 235 : Audell_6
- Track 236 : AnnabelLee_3
- Track 237 : Khuang_61
- Track 238 : Altostratus_59
- Track 239 : WaterT_52, LeeroyJenkins_54
- Track 240 : BarnCat_46
- Track 241 : Lifes_48
- Track 242 : Cassita_54
- Track 243 : Zooman_185, Big4_204
- Track 244 : Cece_195
- Track 245 : Pumpnickel_201
- Track 246 : Squint_50, Gonephishing_53
- Track 247 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 248 : JuicyJay_54, Klein_52, DmpstrDiver_53, Odette_52, Schatzie_49

- Track 249 : Pound_54, Minerva_58, Wanda_58, Bombitas_49, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
- Track 250 : MiaZeal_51, Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, LittleE_56, Thibault_45, Courthouse_51, Superphikiman_51
- Track 251 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 252 : Dove_49, Constella_44
- Track 253 : Redno2_50, Dallas_54, Zelink_53
- Track 254 : JoyLin_51, Eevee_51, Yotsuba_51
- Track 255 : Pippin15_52
- Track 256 : Serenabean_52
- Track 257 : Daddyjeff_52, AddiRose_51
- Track 258 : Tachez_66, Zavala_69, CaseJules_68, DrHayes_67, Ramen_67, Emerson_68, Homura_66, Spock_66, Rosmarinus_66, Lunahalos_66, ActinUp_66, Joy99_66, Padpat_69, Peel_66, Belladonna_66, Padfoot_66, Jayhawk_68, Angelica_66, CallaLilly_68, Jeckyll_66, HedwigODU_66, Geraldini_69, Veliki_68, YoureAdopted_66, Hyperbowlee_66, BGlluviae_66, Inky_66, TiniBug_67, Blizzard_66, Llorens_66, Zabiza_61, Rapunzel97_68, Deby_67, Piatt_66, Beezoo_68, Mynx_68, Asayake_66, Ganymede_66, MacKat_62, AlishaPH_66, BEEST_66, Twitch_66, Jarvi_66, Pokerus_66, Adephagia_66, Dalmuri_66, Urkel_67, BarrelRoll_67, TruffulaTree_67, Boiiii_66, Bella96_67, ShiaSurprise_67, JAWS_67, Clipper_71, CREW_66, Atiba_67, QuincyRose_64, Capricorn_66, Durfee_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, Adonis_66, Topper_66, MeaningOfLife_67
- Track 259 : Niklas_69, Dartin_69, Shaobing_69, McMater_69, Peanam_69, Richo_69
- Track 260 : SgtBeansprout_56, Enkosi_57, Amelie_55, Nutello_55, Mdavu_56, Binglebops_55, LilPharaoh_56, Torres_57, Nikao_58
- Track 261 : Efra2_72
- Track 262 : Megsy_69
- Track 263 : CheetoDust_66, BaghaKamala_66, Bern_68
- Track 264 : TingHuaYa_70, LastHope_71
- Track 265 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 266 : Curiosium_70
- Track 267 : Guanica15_71, Yunkel11_71
- Track 268 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Ageofdapage_70, Illumine_72, Dole_72
- Track 269 : Apocalypse_69
- Track 270 : Validus_71
- Track 271 : Scarlett_71, Oscar_70, KiSi_71
- Track 272 : TaiwanKao_69
- Track 273 : Chris_69
- Track 274 : Nibb_69
- Track 275 : LeMond_70
- Track 276 : MarkPhew_69
- Track 277 : Tiri_67
- Track 278 : Anaya_69
- Track 279 : Marcoliusprime_69, DismalStressor_69, DismalFunk_69
- Track 280 : Strobilo_70, Findley_69, Milly_69
- Track 281 : ZoeJ_68
- Track 282 : BoostSeason_69
- Track 283 : Mufasa_69
- Track 284 : TM4_67
- Track 285 : ShedlockHolmes_69, Hurricane_68

- Track 286 : Pixie_67, TBond007_64
- Track 287 : MacnCheese_70
- Track 288 : Pharb_67, TribbleTrouble_68
- Track 289 : MissDaisy_67
- Track 290 : Miryou_64, OkiRoe_61, Gengar_60
- Track 291 : Edugator_59, Dadosky_62, Leston_60, Paola_60, Psycho_60, Guillsminger_61, Neighly_62, AlleyCat_62, Larva_61
- Track 292 : Kratio_58, Agent47_60, InvictusManeo_58, ViviJ_58, Collard_58
- Track 293 : SoSeph_61, Heftyboy_61, Feyre_63, Thyatira_63, Waterfoul_62
- Track 294 : Rando14_62
- Track 295 : Omnicron_64
- Track 296 : Shadow1_71, Sunflower1121_72, Syra333_70
- Track 297 : Unicorn_68, PhelpsODU_68
- Track 298 : Ellie_62
- Track 299 : SirPhilip_66
- Track 300 : Bryler_70, Tierra_70, Cain_70, Phrank_70
- Track 301 : Marshawn_66
- Track 302 : Amohntion_66, DARTH_P_66, Hammy_66
- Track 303 : Ekdilam_63
- Track 304 : Ximenita_72
- Track 305 : TClif_68
- Track 306 : November_66
- Track 307 : Fefferhead_64
- Track 308 : Yuna_71
- Track 309 : Boilgate_63
- Track 310 : Rose5_30, Acquire49_30, Enceladus_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburggrxpress_30, JoeDirt_30, LeBron_30, Halena_30, MAckerman_30, Wyatt2_30, Appletree2_30, UPIE_30, AvadaKedavra_30, Silverleaf_30
- Track 311 : DirkDirk_30, Tyson_30
- Track 312 : Poochiewood_30
- Track 313 : Gardann_32, Vetrix_32, Faith1_32, Netyap_32, Winky_32, Crossroads_32, Miley16_32, DrSeegs_32, Finemlucis_32, Itos_32, Breezona_32, MkaliMinitis3_32, Gabriela_32, Wilder_32, Loadrie_32, BigCheese_32, Nicholasp3_32, BobsGarage_32, GuuelaD_32, Wigglewiggle_32
- Track 314 : Tourach_32
- Track 315 : Lewan_32, Rumpelstiltskin_32, Underpass_32, Soap141_32, Hafay_32, Sarshaun_32, Kahlid_32
- Track 316 : Archie_32, Bazzle_32
- Track 317 : Claus_32, DHan_32
- Track 318 : Baoshan_31, ZhongYanYuan_31, DanBing_31
- Track 319 : Zakai_32
- Track 320 : LilDestine_32
- Track 321 : Samty_31, Clautastrophe_31, Jubie_31, Kingsolomon_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, Finnry_31, MsGreen_31, Lolly9_31, Bellis_31
- Track 322 : LiyuLake_31, Ellson_31, DuncansLeg_31
- Track 323 : TriFive_31
- Track 324 : Moostard_31, Jobypre_31
- Track 325 : KirDoubleO7_29, BourbonZero_30
- Track 326 : Whirlwind_32
- Track 327 : Krypton555_31
- Track 328 : Bromden_32

- Track 329 : Kropertea_30, Chaser_30, DyoEdafos_31
- Track 330 : Douge_30
- Track 331 : Quby_30, FarmResident_30
- Track 332 : PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
- Track 333 : Aegeus_33, Baudelaire_33
- Track 334 : TyDawg_39, Skinny_40, LilhomieP_38, Diminimus_40, Glaske16_40, Bongo_39, Bricole_39, IPhone7_39, Dulcita_40, PegLeg_39
- Track 335 : FreakyGoo_40, Auspice_39, SlimJimmy_38, Izel_39
- Track 336 : Reindeer_39
- Track 337 : Aziz_44, GenevaB15_44
- Track 338 : MrMagoo_44, GardenSalsa_44
- Track 339 : Rey_44
- Track 340 : Estes_45
- Track 341 : Nanosmite_44
- Track 342 : Panchino_48, Butters_53, Rubeelu_53, Kevin1_52
- Track 343 : BabeRuth_56, ShrimpFriedEgg_55, Jamie19_49, Redi_55, Andies_48, PhancyPhin_55, SpongeBob_49, Phrann_52, Nenae_55, Purgamenstris_55, Raymond7_49, Hanako_55, Tapioca_52, Snekmaggedon_49
- Track 344 : Phloss_48, Gex_50, Schnauzer_51, EGUnicorn_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Carcharodon_50, Melville_53, Fulbright_49, Parmesanjohn_50, Duplicity_50, Silvafighter_51, Chewbacca_52, Smurph_50
- Track 345 : Journey_52
- Track 346 : Shweta_51
- Track 347 : Charlie_51, Bosection6_51
- Track 348 : Nilo_41, Zenon_41, Yelo_40, Send513_40, Candle_40
- Track 349 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
- Track 350 : MontyDev_40
- Track 351 : Cosmo_53, Wildcat_53, Azrael100_52, EniyanLRS_50, MaryV_53
- Track 352 : Kumao_40
- Track 353 : Mbo4_60
- Track 354 : Footloose_59
- Track 355 : GMA4_22
- Track 356 : Juicebox_39
- Track 357 : BFK20_ORF53
- Track 358 : DS6A_74
- Track 359 : EmiRose_45
- Track 360 : Yappy_50

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

The start number called the most often in the published annotations is 113, it was called in 202 of the 980 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_39, ABCat_36, Acquire49_30, Adnama_40, Amao_37, AmericanBeauty_39, Appletree2_30, Archie_32, Argent26_39, Asriel_36, Auspice_39, AvadaKedavra_30, Aziz_44, BadStone_36, Balomoji_36, Banquo_62, Barbarian_36, Bask21_37, Bazzle_32, Bellis_31, Bench_39, BigBubba_38, BigCheese_32, BilboSwaggins_37, BobsGarage_32, Breezona_32, Bromden_32, Bruin_37, Buck_36, BugsBunny_35, Cactus_38, Calm_30, Chaser_30, ChosenOne_37, ChotaBhai_37, CicholasNage_30,

Cjw1_37, Clautastrophe_31, Command613_38, Contagion_36, Cookies_37, Crossroads_32, CrystalP_37, Czyszczon1_38, Daikon_36, Dardanus_57, DinoDaryn_63, DoctorDiddles_37, Douge_30, DrDrey_38, DrSeegs_32, Dumbo_37, DuncansLeg_31, Dusk_36, DyoEdafos_31, Easy2Say_39, Elite2014_36, Ellson_31, Elph10_38, Emmina_38, Enceladus_30, Estes_45, Faith1_32, Filch_38, Finemlucis_32, Finny_31, FireRed_37, Flypotenuse_35, FreakyGoo_40, Gabriela_32, Gage_39, Gardann_32, GardenSalsa_44, Gator_35, Gemini_40, GenevaB15_44, Glexan_35, Goib_64, GoldenSpark_39, Goldilocks_38, GooberAzure_39, GuuelaD_32, Halena_30, HanKaySha_38, Harella_36, Henry_38, Highbury_38, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Huffy_63, Hurricane_68, Icee_36, Inca_36, Itos_32, Izel_39, JeTaime_39, JoeDirt_30, Jubie_31, Kanye_39, Kimchi_39, Kingsolomon_31, Kostya_38, Kropertea_30, Krypton555_31, LeBron_30, LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, LiyuLake_31, Loadrie_32, Lolly9_31, Lumos_31, MAckerman_30, MISSy_36, MPhalcon_36, MacnCheese_70, MadamMonkfish_37, Manda_38, Marshmallow_37, Maxxinista_38, Miley16_32, Mindy_37, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MkaliMitinis3_32, Moldemort_38, Mosby_36, MrMagoo_44, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Nala_37, Nanosmite_44, NelitzaMV_37, Netyap_32, Nicholas_31, Nicholasp3_32, Nimrod_37, NoSleep_38, OhShagHennessy_30, OrionPax_38, Palpatine_37, Paperbeatsrock_39, Pat3_36, Petra64142_39, Pharb_67, Pharsalus_38, PhatBacter_37, Phaux_36, Phrux_37, Pixie_67, Policronamos_38, Poochiewood_30, Porky_37, Pumpkin_39, Quallification_38, Rakim_38, Rimmer_36, RiverMonster_37, Rose5_30, Saints25_38, Samty_31, Sassay_36, ShamWow_37, ShedlockHolmes_69, Silverleaf_30, Simpliphy_38, SirDuracell_36, SlimJimmy_38, Snenia_31, SophKB_37, Sotrice96_37, Splinter_63, Stank_40, Stark_38, StellaBean_37, StolenFromERC_39, TBond007_64, TBrady12_39, TZGordon_64, Tarkin_39, TeardropMSU_36, Teaspoon_38, Terminus_37, Thresher_38, TinaLin_62, Tomaszewski_36, Toto_37, Tourach_32, Traaww1_35, TribbleTrouble_68, Tuco_38, UPIE_30, Ukulele_37, Vendetta_63, Vetrix_32, Wamburgrxpress_30, Whirlwind_32, Wiggin_40, Wigglewiggie_32, Wilder_32, Willez_36, Winky_32, Wyatt2_30, Xandras_39, YassJohnny_38, Youngblood_37, Zakai_32, Zaria_30, xkcd_38,

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

- Aegeus_33, Baoshan_31, Baudelaire_33, Bongo_39, BourbonZero_30, BrainDrainer_31, Bricole_39, Claus_32, DHan_32, DanBing_31, Diminimus_40, DirkDirk_30, Douzhi_30, Dulcita_40, FairyPath_37, FarmResident_30, Glaske16_40, Hafay_32, IHOP_37, IPhone7_39, Jobypre_31, Kahlid_32, KirDoubleO7_29, Kumao_40, Lewan_32, LilhomieP_38, Moostard_31, PYPDinur_30, PegLeg_39, Phaja_37, Quby_30, Reindeer_39, Rumpelstiltskin_32, Sarshaun_32, Sheng711_30, ShereKhan_39, Skinny_40, Soap141_32, TriFive_31, TyDawg_39, Tyson_30, Underpass_32, ZhongYanYuan_31,

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

- 40AC_59, A6_54, AEgle_32, AFIS_58, AGrandiflora_34, AN9_61, ANI8_61, AbbyPaige_60, Abbysshoes_63, Abrogate_610, Abscondus_124, Acme_64, Acolyte_53, ActinUp_66, AddiRose_51, Adephagia_66, Adolin_32, Adonis_66, Adumb2043_32, Adzzy_59, Aeneas_65, Agaliana_56, Agape74_60, Agent47_60, Ageofdapage_70, Aikoy_52, AinMach_35, Ajay_62, Alatin_45, AlishaPH_66, Aliter_58, AlleyCat_62, Alma_58, Alpacados_45, Alsfro_68, Altman_64, Altostratus_59, Alvin_62, Amelie_55, Amohnition_66, Amyev_33, Anaya_69, Anaysia_64, Andies_48, Aneem_58, Angelica_66, Anglerfish_62, AngryOrchard_44, AnnabelLee_3, Anon_61, Anselm_59, Anthony_54, Aphelion_125, Apocalypse_69,

AppleCloud_43, Applejack_60, Arcanine_64, Ariel_51, Arissanae_57, Asa16_34, Asayake_66, Ascela_34, Ashballer_65, Ashes_31, Atiba_67, Atkinbua_64, Atuin_105, Audell_6, Azrael100_52, BAKA_56, BEEST_66, BFK20_ORF53, BGIlluviae_66, BK1_54, BPBiabs31_64, BabeRuth_56, BaboJay_37, Bachita_128, Bachome_59, BaconJack_66, BaghaKamala_66, Bagrid_51, Bantam_85, BarnCat_46, Barnstormer_41, BarrelRoll_67, Barriga_65, Battleship_66, Beatrix_61, Beem_52, Beemo_58, BeesKnees_64, Beezoo_68, Belenaria_46, Bella96_67, Belladonna_66, Benvolio_55, Bern_68, Berrie_34, Bethlehem_61, Bexan_59, Big3_63, Big4_204, BigPaolini_59, Bigfoot_54, Binglebops_55, Bircsak_61, Blizzard_66, Bloom_112, Blue_61, BobSwaget_54, BobbyDazzler_46, Bobby_51, BogosyJay_57, Boiiii_66, Boilgate_63, Bombitas_49, Bonanza_46, Boohoo_64, BoostSeason_69, Bosection6_51, Bowtie_58, Bradman_57, Bradshaw_46, BrutonGaster_100, Bryce_45, Bryler_70, Bud_57, Buggy_60, Burton_63, Butters_53, Buttons_59, Bxb1_56, C3_56, CREW_66, CactusRose_62, Cain_70, CallaLilly_68, Candle_40, Cappuccino_31, Capricorn_66, Caraxes_58, Carcharodon_50, Cardigan_134, Carlyle_62, Caron_44, CaseJules_68, Cassia_34, Cassita_54, Catalina_59, Catfish_63, Cece_195, Cen1621_38, Chanagan_56, Charlie_51, Charm_56, Che12_59, CheetoDust_66, CherryTomatoes_78, Chewbacca_52, Chilliams_107, ChipMunk_60, Chris_69, Ciao_60, CliffHanger_37, Clipper_71, ClubL_125, Collard_58, Community_34, ConceptII_64, Conquerage_58, Constella_44, Corvo_63, CosmicSans_46, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CrimD_68, Crucio_58, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, D29_56, D32_59, DBQu4n_60, DD5_60, DS6A_74, Daddyjeff_52, Dadosky_62, Dallas_54, Dalmatian_59, Dalmuri_66, Darrell_60, DarthP_66, DarthPhader_54, Dartin_69, DatBoi_82, Deby_67, DekHockey33_65, Devera_74, Dexes_62, Dignity_60, Dinger_45, DismalFunk_69, DismalStressor_69, DmpstrDiver_53, Dole_72, Donkey_31, Doom_60, Dove_49, DrFeelGood_58, DrHayes_67, DrManhattan_32, DrSierra_32, DreamTeam1_56, Dreamboat_63, DudeLittle_57, Duke13_55, Dulcie_62, DunneganBoMo_101, Duplicity_50, Duplo_60, Durfee_66, Dussy_62, Dusty_121, Dynamix_64, EGUunicorn_51, EagleEye_60, Ebony_57, Echild_58, EdogawaKiddo_56, Edtherson_61, Edugator_59, Eevee_51, Efra2_72, Eidsmoe_58, Ejimix_52, Ekdilam_63, Elephantoon_57, Elezi_34, Ellewin_99, Ellie_62, Emerson_68, EmiRose_45, EmyBug_57, Engineer_127, EniyanLRS_50, Enkosi_57, Epsocamisio_61, Eraser_34, EricMillard_52, Erik_46, Espica_46, Espresso_59, Et2Brutus_56, Euphoria_60, Eureka_38, EvilGenius_60, ExplosioNervosa_58, Eyeball_64, Fajezeel_63, Fameo_58, Fascinus_56, Fayely_58, Fefferhead_64, Fenn_64, Feyre_63, Fibonacci_57, Findley_69, FiringLine_58, Flaverint_58, Floof_43, Footloose_59, Francis47_60, Froghopper_60, Fulbright_49, Fushigi_58, GMA4_22, GageAP_63, Gambol_31, Gandalf20_64, Ganymede_66, GardenState_42, Geeche_123, Gengar_60, Georgie2_59, Geraldini_69, Gex_50, Gilberta_58, Goku_38, GoldenEssence_97, Gollum_46, Gompeii16_61, Gonephishing_53, Graduation_66, GrecoEtereo_61, Greely_81, Greg_63, Gretchen_42, Gspu1_55, Guanica15_71, Guillsminger_61, Gwendoluna_65, Gyzlar_57, Halley_52, Halsey_31, Hami1_57, Hammy_66, Hanako_55, Hannaconda_48, Hanray_56, Harlequin_45, HarryOW_60, HedwigODU_66, Heffalump_57, Heftyboy_61, Herbertwm_56, Hermia_60, Hirko_38, Hiro_46, HokkenD_45, Holes_57, Homines_54, Homura_66, Honk_39, Hope4ever_63, HortumSL17_58, Hughesyang_50, Hutc2_57, Hyperbowlee_66, IAmGroot_42, ILeeKay_64, Ichabod_66, Illumine_72, Indlulamithi_37, Inky_66, Insomnia_58, InvictusManeo_58, Inyanga_57, Iter_34, IttyBittyPiggy_33, JAWS_67, JC27_65, JSwag_63, Jabith_58, JackSparrow_64, Jamie19_49, Janeemi_35, Jarvi_66, JasmineDragon_39, Jasper_62, Jayhawk_68, Jeckyll_66, Jerm2_64, Jerm_60, Jester_45, Jiawan_56, Joemato_33, JohnDoe_33, JonJames_133, Jorgensen_65,

Joselito_58, Journey13_52, Journey_52, Joy99_66, JoyLin_51, Jsquared_56, Jstan_36, Juicebox_39, JuicyJay_54, JuliaChild_63, JuneStar_33, KBG_63, KSSJEB_62, KSunshine22_102, Kalah2_52, Kalimba_31, Kanely_63, KashFlow_45, KatherineG_64, Kaylissa_33, KeAlii_33, Kenmech_65, Kerberos_60, Kevin1_52, Keziacharles14_58, Khuang_61, KiSi_71, Kikiko_7, KingCyrus_60, Klein_52, Koduck_59, Kratio_58, Krishelle_46, Kudrefre_114, Kumotta_57, KyMonks1A_65, L5_56, Lamina13_66, Larenn_57, Larva_61, LastHope_71, LastResort_62, LaterM_67, LeMond_70, LeeroyJenkins_54, Lego_33, LeoJr_107, Leopard_52, Lesedi_58, Leston_60, Leviathan_60, Licorice_63, Liebe_36, Lifes_48, LilBib_62, LilPharaoh_56, LilTurb_59, Lilleskat_56, Lillie_46, LindNT_66, LittleE_56, Lizalica_32, Llorens_66, Lockley_59, Lokk_55, London_34, LoneWolf_59, Looper_63, Lopton_60, Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lunahalos_66, MaCh_58, MaGuCo_34, Mabel_57, Mabodamaca_42, MacKat_62, Magnar_60, Magnito_60, Magsby_50, MajorMajor_57, Makemake_64, Malec_58, Maminiaina_57, Manatee_62, Marcell_58, Marchy_56, Marcoliusprime_69, MargaretKali_53, Marge_59, MarkPhew_69, Maroc7_59, Marsha_61, Marshawn_66, MaryBeth_60, MaryV_53, Maureen_36, Mbo4_60, McMater_69, Mdavu_56, MeaningOfLife_67, Megsy_69, Melville_53, MetalQZJ_59, MiaZeal_51, Michley_65, Miko_55, Milly_69, Mimi_114, MinecraftSteve_64, Minerva_58, MiniMommy_41, Miryou_64, Miskis_124, MissAmericana_7, MissDaisy_67, MissSwiss_32, MissWhite_57, Mkhuseleli_58, Mollymur_85, Monet_65, MontyDev_40, Moss_31, MrGordo_64, Mryolo_58, Mudpuppy_32, Mufasa_69, Mulciber_57, Mule_59, Munch_58, Murucutumbu_68, Mynx_68, Myrna_77, Mysterium_31, Myxus_58, NEHalo_59, Naiad_45, Naira_64, Naji_60, Nancinator_46, Natosaleda_45, Nebulosus_62, Nedarya_60, Neighly_62, Nenae_55, Nerujay_64, Neville_111, Nibb_69, NihilNomen_51, Nikao_58, Niklas_69, Nilo_41, Niobe_34, Nitro_33, Niza_64, Norvs_124, Norz_62, NothingSpecial_56, November_66, Nutello_55, ObiToo_36, Octobien14_110, Odette_52, Odin_56, Ohno789_62, OkiRoe_61, Omega_56, Omnicron_64, OneUp_110, Onglai_56, Onyinye_53, Oofda_65, Oogway_61, Optimus_57, Orange_57, Oscar_70, PSullivan_60, PacerPaul_61, PackMan_57, Padfoot_66, Padpat_69, PainterBoy_59, Panchino_48, Paola_60, Papez_64, Papyrus_40, Paraselene_60, Pari_65, Parmesanjohn_50, Partridge_45, PascalRango_60, Patbob_109, PattyP_64, Payneful_60, Peanam_69, Peel_66, Pelly_63, Pepe_60, Percival_43, Perseus_61, Petersenfast_56, Peterson_66, Petruccio_62, Ph8s_59, Phabba_83, Phaeder_58, PhailMary_45, PhancyPhin_55, Pharaoh_53, PhelpsODU_68, PherrisBueller_61, PhinkBoden_125, Phives_35, Phlei_47, Phloss_48, Phoebus_51, Phonnegut_58, Phrampa_103, Phrank_70, Phrankenstien_46, Phrann_52, PhrostyMug_62, Piatt_66, PinkPlastic_62, Pinto_62, Pioneer_58, Pippin15_52, Pippin_62, Pipsqueaks_50, Pita2_63, Pitbull_58, Pixelle_33, Pokerus_66, Pollywog_85, Pomar16_60, Porcelain_50, Pound_54, Power_57, Powerpuff_35, Prithvi_68, Priya_58, Psycho_60, Pumpnickel_201, Pumpkins_33, Pupper_77, Purgamenstris_55, QTRlifeCrisis_62, Qobbit_58, QueenB2_57, QueenBeesly_58, QuincyRose_64, Quokka_56, RER2_39, RGL3_40, Rabbitrun_113, Racecar_109, Rachaly_57, Rahalelujah_58, Rajelicia_62, Ramen_67, Rando14_62, Rapunzel97_68, Rasputin_46, Raymond7_49, ReMo_62, Redi_55, Redno2_50, Reedo_32, Refuge_56, ReginaGlobina_107, Remus_64, Retro23_59, RexFury_45, Rey_44, Rhodalysa_46, Rhynn_60, Richo_69, RidgeCB_61, Ringer_62, Riparian_40, Rockabye_113, Rope_40, Rosalind_62, Rosmarinus_66, Rubeelu_53, Rubeus_60, Rufus_63, Ruotula_64, Rutherford_64, RyeScarlet_59, SCentae_76, SJReid_115, STLscum_70, Sachima_55, Sagefire_64, Salz_56, SamuelLPlaqsom_67, Sandaddy_58, Sanya_57, SarFire_61, Scarlett_71, Schatzie_49, Scherzo_58, Schmidt_57, Schnauzer_51, ScoobyDoobyDoo_73, Scowl_63, SemperFi_59, Send513_40, Sephiroth_110, Serenabean_52, Serenity_58,

SgtBeansprout_56, Shadow1_71, Shaffner_34, ShakeltOph_41, Sham4_57, Shaobing_69, ShayRa_64, Shayna_36, SheaKeira_56, ShiaSurprise_67, ShortQueendom_54, ShrimpFriedEgg_55, Shuman_46, Shweta_51, Silvafighter_51, Simpson_35, SirPhilip_66, Skog_140, Slagathor_64, Slimphazie_67, Smairt_64, Smeagan_61, Smeagol_64, Smoothie_126, Smurph_50, SnapTap_58, Snape_57, Snazzy_60, Snek_33, Snekmaggedon_49, SoSeph_61, Solon_61, Sooty_31, Sorpresa_59, Soups_64, SpecialK_31, SpeedDemon_860, SpikeBT_60, Spock_66, SpongeBob_49, Spouty_58, Squee_63, Squint_50, StCroix_45, StarStuff_60, Steamy_54, StewieG_57, Stinson_68, Strobilo_70, StrongArm_60, Strosahl_64, SuMoo_44, Sue2_34, Sulley_66, Sumter_58, Sunflower1121_72, SunnyD_36, Sunshine924_67, Superchunk_56, Superphikiman_51, Swann_46, SweetiePie_58, SwirlSquare_63, Switzerland_63, Swole_63, Syleon_115, Syra333_70, TClif_68, TM4_67, TMaxx_3, TWAMP_46, Tachez_66, TaiwanKao_69, Takoda_46, Talia1610_108, Tallboi_33, Tapioca_52, Target_64, Tbone_32, Teagster_37, Teodoridan_60, TforTroy_34, TheloniousMonk_65, Thibault_45, Thonko_81, Thor_61, ThreeRngTarjay_50, Thyatira_63, Tian_33, Tierra_70, Timothy_57, TingHuaYa_70, TiniBug_67, TinyTimmy_57, TipsytheTRex_54, Tiri_67, Toaka_58, Tomathan_60, Toniann_125, Topper_66, Torres_57, Tote_58, Traft412_64, Travvers_60, Trax_113, Treddle_63, TreyKay_68, Tripl3t_65, Trouble_63, TruffulaTree_67, Tubs_58, Tuck_36, Turab_32, Turbido_59, Turj99_60, Tutumahutu_33, Tweety19_33, Twitch_66, TwoPeat_63, Ugenie5_55, UhSalsa_46, Unicorn_68, Urkel_67, UtzChips_41, VC3_61, VResidence_33, Validus_71, Vanisoa_58, Veliki_68, Vibaki_39, Violet_60, Vitus_40, ViviJ_58, VroomVroom_39, WaddleDee_101, Waits_64, Wanda_58, Warda_33, Warrior24_67, WaterT_52, Waterfoul_62, Weiss13_40, Whabigail7_59, Wheeler_64, Wildcat_53, Wildwest_33, WilliamBoone_123, Xerxes_50, Ximenita_72, Yang_33, Yappy_50, Yecey3_59, Yeet_50, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yotsuba_51, YoureAdopted_66, Yuna_71, Yunkel11_71, Yvonnetastic_129, Zabiza_61, Zavala_69, Zelink_53, Zenon_41, Zeta1847_35, Zeuska_67, Zimmer_55, ZoeJ_68, Zooman_185,

Summary by start number:

Start 59:

- Found in 4 of 1107 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 75:

- Found in 15 of 1107 (1.4%) of genes in pham
- Manual Annotations of this start: 6 of 980
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), Pollywog_85 (F1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 76:

- Found in 138 of 1107 (12.5%) of genes in pham
- Manual Annotations of this start: 31 of 980
- Called 22.5% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiabs31_64 (A1), Bethlehem_61 (A1), Buttons_59 (A1),

Dynamix_64 (A1), Espresso_59 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), HarryOW_60 (A1), KBG_63 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), PacerPaul_61 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1), Scowl_63 (A1), Treddle_63 (A1), Trouble_63 (A1),

Start 77:

- Found in 154 of 1107 (13.9%) of genes in pham
- Manual Annotations of this start: 110 of 980
- Called 74.7% of time when present
- Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbyshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), Beatrix_61 (A1), BeesKnees_64 (A1), Bexan_59 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Carlyle_62 (A1), Chanagan_56 (A1), Ciao_60 (A1), Conceptll_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), Euphoria_60 (A1), Eyeball_64 (A1), Fenn_64 (A1), Francis47_60 (A1), FrogHopper_60 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), Hami1_57 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeeKay_64 (A1), Ichabod_66 (A1), Inyanga_57 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), Lesedi_58 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), Marcell_58 (A1), Marchy_56 (A1), Marge_59 (A1), Marsha_61 (A1), MaryBeth_60 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Monet_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Naira_64 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruccio_62 (A1), PherrisBueller_61 (A1), PinkPlastic_62 (A1), QTRlifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Squee_63 (A1), StewieG_57 (A1), StrongArm_60 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_63 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1), Zeuska_67 (A1),

Start 79:

- Found in 149 of 1107 (13.5%) of genes in pham
- Manual Annotations of this start: 125 of 980
- Called 94.0% of time when present
- Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Adzzy_59 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Aneem_58 (A11), Anselm_59 (A2), Anthony_54 (A20), Arissanae_57 (A9), Bachome_59 (A11), Beemo_58 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bradman_57 (A2), Bud_57 (A11), Buggy_60 (A2), Caraxes_58 (A2), Catalina_59 (A9), Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), DarthPhader_54 (A12), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), EagleEye_60 (A16), Ebony_57 (A11), Echild_58 (A2), Eidsmoe_58 (A9),

Elephantoon_57 (A9), EmyBug_57 (A9), Et2Brutus_56 (A11), EvilGenius_60 (A2), Fameo_58 (A2), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Georgie2_59 (A2), Gilberta_58 (A11), Heffalump_57 (A2), Herbertwm_56 (A2), HortumSL17_58 (A9), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), Jerm_60 (A2), Jiawan_56 (A9), Joselito_58 (A11), Journey13_52 (A2), Jsquared_56 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), KingCyrus_60 (A2), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Leviathan_60 (A2), LiITurb_59 (A2), Lilleskat_56 (A9), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Malec_58 (A2), Maminina_57 (A9), Miko_55 (A2), MissWhite_57 (A2), Mulciber_57 (A11), Munch_58 (A11), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), Odin_56 (A2), Onglai_56 (A9), Orange_57 (A11), PackMan_57 (A9), PainterBoy_59 (A16), Petersenfast_56 (A11), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), Phlei_47 (A13), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Quokka_56 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_59 (A9), Sachima_55 (A9), Salz_56 (A11), Scherzo_58 (A9), SemperFi_59 (A2), Serenity_58 (A2), Sham4_57 (A11), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Snape_57 (A11), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_63 (A2), Timothy_57 (A11), TinyTimmy_57 (A11), TipsytheTRex_54 (A2), Toaka_58 (A9), Tomathan_60 (A2), Travvers_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Ugenie5_55 (A9), Vanisoa_58 (A9), Whabigail7_59 (A2), Yecy3_59 (A9), Zimmer_55 (A12),

Start 80:

- Found in 13 of 1107 (1.2%) of genes in pham
- Manual Annotations of this start: 3 of 980
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Juicebox_39 (singleton), Sneak_33 (AZ3), Tweety19_33 (AZ3),

Start 82:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_50 (singleton),

Start 83:

- Found in 161 of 1107 (14.5%) of genes in pham
- Manual Annotations of this start: 4 of 980
- Called 2.5% of time when present
- Phage (with cluster) where this start called: Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Rubeus_60 (A1),

Start 85:

- Found in 13 of 1107 (1.2%) of genes in pham
- Manual Annotations of this start: 10 of 980
- Called 84.6% of time when present
- Phage (with cluster) where this start called: DrFeelGood_58 (A1), Dulcie_62 (A1), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_59 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 87:

- Found in 3 of 1107 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Vibaki_39 (FL), Vitus_40 (FL),

Start 88:

- Found in 2 of 1107 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Journey_52 (N), Shweta_51 (N),

Start 89:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 91:

- Found in 40 of 1107 (3.6%) of genes in pham
- Manual Annotations of this start: 36 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adumb2043_32 (AZ1), Andies_48 (N), BabeRuth_56 (N), Bosection6_51 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N), Chewbacca_52 (N), Duplicity_50 (N), EGUnicorn_51 (N), Fulbright_49 (N), Gex_50 (N), Hanako_55 (N), IttyBittyPiggy_33 (AZ1), Jamie19_49 (N), KeAalii_33 (AZ1), Kevin1_52 (N), Magsby_50 (N), Melville_53 (N), Nenae_55 (N), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Smurph_50 (N), Snekmaggon_49 (N), SpongeBob_49 (N), Tallboi_33 (AZ1), Tapioca_52 (N), Turab_32 (AZ1), Xerxes_50 (N),

Start 93:

- Found in 5 of 1107 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 980
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), Applejack_60 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 94:

- Found in 32 of 1107 (2.9%) of genes in pham
- Manual Annotations of this start: 28 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), BrutonGaster_100 (CQ2), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), OneUp_110 (CQ2), Phives_35 (AZ1), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Shaffner_34 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 95:

- Found in 14 of 1107 (1.3%) of genes in pham
- Manual Annotations of this start: 6 of 980
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Rabbitrun_113 (DU2), Tian_33 (AZ1),

Start 96:

- Found in 25 of 1107 (2.3%) of genes in pham
- Manual Annotations of this start: 21 of 980
- Called 84.0% of time when present
- Phage (with cluster) where this start called: Ashes_31 (AZ5), Bongo_39 (M1), Bricole_39 (M1), Cappuccino_31 (AZ5), Diminimus_40 (M1), Donkey_31 (AZ5), Dulcita_40 (M1), Gambol_31 (AZ5), Glaske16_40 (M1), Halsey_31 (AZ5), IPhane7_39 (M1), Kalimba_31 (AZ5), LilhomieP_38 (M1), Moss_31 (AZ5), Mysterium_31 (AZ5), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), Sooty_31 (AZ5), SpecialK_31 (AZ5), TyDawg_39 (M1),

Start 97:

- Found in 3 of 1107 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Hirko_38 (FL),

Start 98:

- Found in 1 of 1107 (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: AnnabelLee_3 (FR),

Start 99:

- Found in 2 of 1107 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Reedo_32 (AZ1),

Start 100:

- Found in 6 of 1107 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Audell_6 (FR), Eevee_51 (JA), Floof_43 (EH), JoyLin_51 (JA), Pippin15_52 (JA), Yotsuba_51 (JA),

Start 101:

- Found in 21 of 1107 (1.9%) of genes in pham
- Manual Annotations of this start: 14 of 980
- Called 90.5% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), DatBoi_82 (DL), Dusty_121 (CQ1), Geeche_123 (CQ1), Honk_39 (EH), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_124 (CQ1), Mollymur_85 (DL), Nedarya_60 (A15), Norvs_124 (CQ1), Smoothie_126 (CQ1), SpeedDemon_860 (DL),

Yvonnestic_129 (DD),

Start 103:

- Found in 25 of 1107 (2.3%) of genes in pham
- Manual Annotations of this start: 22 of 980
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Anaysia_64 (A15), Anon_61 (A15), Battleship_66 (A15), Boilgate_63 (K8), Boohoo_64 (A15), DekHockey33_65 (A15), Epsocamisio_61 (A15), JSwag_63 (A15), KatherineG_64 (A15), Kumao_40 (singleton), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Soups_64 (A15), Strosahl_64 (A15), Switzerland_63 (A15), Waits_64 (A15), Warrior24_67 (A15),

Start 104:

- Found in 49 of 1107 (4.4%) of genes in pham
- Manual Annotations of this start: 43 of 980
- Called 93.9% of time when present
- Phage (with cluster) where this start called: Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), AppleCloud_43 (CA), BFK20_ORF53 (singleton), Bachita_128 (CQ1), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), CosmicSans_46 (CA), Cucurbita_126 (CQ1), Dinger_45 (CA), Engineer_127 (CQ1), Erik_46 (CA), Espica_46 (CA), Gollum_46 (CA), Harlequin_45 (CA), Hiro_46 (CA), Jester_45 (CA), Krishelle_46 (CA), Lillie_46 (CA), Lucyedi_59 (A16), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Partridge_45 (CA), PhailMary_45 (CA), PhinkBoden_125 (CQ1), Phrankenstein_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), RexFury_45 (CA), Rhodalysa_46 (CA), Shuman_46 (CA), StCroix_45 (CA), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), Toniann_125 (CQ1), UhSalsa_46 (CA), WilliamBoone_123 (CQ1), Yogi_45 (CA), Yoncess_45 (CA),

Start 105:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_87 (EL),

Start 106:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_45 (singleton),

Start 107:

- Found in 55 of 1107 (5.0%) of genes in pham
- Manual Annotations of this start: 28 of 980
- Called 89.1% of time when present
- Phage (with cluster) where this start called: AinMach_35 (AZ), Atuin_105 (FC), Barnstormer_41 (EH), Big4_204 (GD2), Bloom_112 (FC), Candle_40 (R), Caron_44 (EH), Cece_195 (GD3), Chilliams_107 (FC), DunneganBoMo_101 (FC), Ellewin_99 (FC), Footloose_59 (singleton), GardenState_42 (EH), GoldenEssence_97 (FC), Gretchen_42 (EH), IAmGroot_42 (EH), JasmineDragon_39 (AZ4), KSunshine22_102 (FC), LeoJr_107 (FC), Mabodamaca_42 (EH), Mbo4_60 (singleton), Mimi_114 (FC),

MiniMommy_41 (AZ4), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Patbob_109 (FC), Percival_43 (EH), Phrampa_103 (FC), Pumpernickel_201 (GD4), Racecar_109 (FC), ReginaGlobina_107 (FC), Riparian_40 (R), Rockabye_113 (FC), Rope_40 (R), SJReid_115 (FC), Send513_40 (R), ShakeltOph_41 (AZ4), SuMoo_44 (EH), TMaxx_3 (FR), Talia1610_108 (FC), UtzChips_41 (EH), VroomVroom_39 (AZ4), WaddleDee_101 (FC), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R), Zeta1847_35 (EH), Zooman_185 (GD2),

Start 108:

- Found in 125 of 1107 (11.3%) of genes in pham
- Manual Annotations of this start: 3 of 980
- Called 2.4% of time when present
- Phage (with cluster) where this start called: ExplosioNervosa_58 (A9), Oogway_61 (A1), Pitbull_58 (FQ),

Start 109:

- Found in 2 of 1107 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_37 (AC), Kikiko_7 (EM2),

Start 110:

- Found in 3 of 1107 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaboJay_37 (E), Eureka_38 (E), Goku_38 (E),

Start 111:

- Found in 30 of 1107 (2.7%) of genes in pham
- Manual Annotations of this start: 10 of 980
- Called 43.3% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), Asa16_34 (AZ1), DrManhattan_32 (AZ1), Elezi_34 (AZ1), Eraser_34 (AZ1), GMA4_22 (singleton), Jstan_36 (AZ1), Kumotta_57 (FB), London_34 (AZ1), MargaretKali_53 (FB), MissAmericana_7 (EM2), Niobe_34 (AZ1),

Start 112:

- Found in 4 of 1107 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AddiRose_51 (JA), Daddyjeff_52 (JA), Rey_44 (M2), Serenabean_52 (JA),

Start 113:

- Found in 259 of 1107 (23.4%) of genes in pham
- Manual Annotations of this start: 202 of 980
- Called 83.4% of time when present
- Phage (with cluster) where this start called: 244_39 (E), ABCat_36 (E), Acquire49_30 (L1), Adnama_40 (E), Amao_37 (E), AmericanBeauty_39 (E), Appletree2_30 (L1), Archie_32 (L2), Argent26_39 (E), Asriel_36 (E), Auspice_39 (M1), AvadaKedavra_30 (L1), Aziz_44 (M2), BadStone_36 (E), Balomoji_36 (E), Banquo_62 (CU1), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Bellis_31 (L3),

Bench_39 (E), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), BobsGarage_32 (L2), Breezona_32 (L2), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Calm_30 (L1), Chaser_30 (L4), ChosenOne_37 (E), ChotaBhai_37 (E), CicholasNage_30 (L1), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Contagion_36 (E), Cookies_37 (E), Crossroads_32 (L2), CrystalP_37 (E), Czyszczo1_38 (E), Daikon_36 (E), Dardanus_57 (CU3), DinoDaryn_63 (CU1), DoctorDiddles_37 (E), Douge_30 (L4), DrDrey_38 (E), DrSeegs_32 (L2), Dumbo_37 (E), DuncansLeg_31 (L3), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Elite2014_36 (E), Ellson_31 (L3), Elph10_38 (E), Emmina_38 (E), Enceladus_30 (L1), Estes_45 (M2), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E), Flypotenuse_35 (E), FreakyGoo_40 (M1), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), GardenSalsa_44 (M2), Gator_35 (E), Gemini_40 (E), GenevaB15_44 (M2), Glexan_35 (E), Goib_64 (CU1), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), GuuelaD_32 (L2), Halena_30 (L1), HanKaySha_38 (E), Harella_36 (E), Henry_38 (E), Highbury_38 (E), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Huffy_63 (CU1), Hurricane_68 (K3), Icee_36 (E), Inca_36 (E), Itos_32 (L2), Izel_39 (M1), JeTaimé_39 (E), JoeDirt_30 (L1), Jubie_31 (L3), Kanye_39 (E), Kimchi_39 (E), Kingsolomon_31 (L3), Kostya_38 (E), Kropertea_30 (L4), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MAckerman_30 (L1), MISSy_36 (E), MPhalcon_36 (E), MacnCheese_70 (K3), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), Maxxinista_38 (E), Miley16_32 (L2), Mindy_37 (E), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MkaliMitinis3_32 (L2), Moldemort_38 (E), Mosby_36 (E), MrMagoo_44 (M2), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Nala_37 (E), Nanosmite_44 (M3), NelitzaMV_37 (E), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), Nimrod_37 (E), NoSleep_38 (E), OhShagHennessy_30 (L1), OrionPax_38 (E), Palpatine_37 (E), Paperbeatsrock_39 (E), Pat3_36 (E), Petra64142_39 (E), Pharb_67 (K3), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phrux_37 (E), Pixie_67 (K3), Policronamos_38 (E), Poochiewood_30 (L1), Porky_37 (E), Pumpkin_39 (E), Quallification_38 (E), Rakim_38 (E), Rimmer_36 (E), RiverMonster_37 (E), Rose5_30 (L1), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), ShamWow_37 (E), ShedlockHolmes_69 (K3), Silverleaf_30 (L1), Simpliphy_38 (E), SirDuracell_36 (E), SlimJimmy_38 (M1), Snenia_31 (L3), SophKB_37 (E), Sotrice96_37 (E), Splinter_63 (CU1), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), TBond007_64 (K3), TBrady12_39 (E), TZGordon_64 (CU1), Tarkin_39 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thresher_38 (E), TinaLin_62 (CU1), Tomaszewski_36 (E), Toto_37 (E), Tourach_32 (L2), Traaww1_35 (E), TripleTrouble_68 (K3), Tuco_38 (E), UPIE_30 (L1), Ukulele_37 (E), Vendetta_63 (CU1), Vatrix_32 (L2), Wamburggrxpress_30 (L1), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewiggles_32 (L2), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Wyatt2_30 (L1), Xandras_39 (E), YassJohnny_38 (E), Youngblood_37 (E), Zakai_32 (L2), Zaria_30 (L1), xkcd_38 (E),

Start 114:

- Found in 50 of 1107 (4.5%) of genes in pham
- Manual Annotations of this start: 44 of 980
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Altostratus_59 (FS), BAKA_56 (J), Bagrid_51 (J), Beem_52 (J), Bobby_51 (J), Bombitas_49 (J), CherryTomatoes_78 (DO), CliffHanger_37 (EB), Constella_44 (J), Dallas_54 (J), DmpstrDiver_53 (J),

Dove_49 (J), Duke13_55 (J), Ejimix_52 (J), EricMillard_52 (J), Greely_81 (C2), Halley_52 (J), Hannaconda_48 (J), HokkenD_45 (J), Hughesyang_50 (J), JuicyJay_54 (J), Kalah2_52 (J), KashFlow_45 (J), Khuang_61 (FS), Klein_52 (J), MaGuCo_34 (AZ2), Maureen_36 (AZ2), Minerva_58 (J), MissSwiss_32 (AZ1), Myrna_77 (C2), NihilNomen_51 (J), Odette_52 (J), Optimus_57 (J), Phabba_83 (C2), Phoebus_51 (J), Pound_54 (J), Pupper_77 (DO), Redno2_50 (J), SCentae_76 (DO), Schatzie_49 (J), Shayna_36 (EB), Skog_140 (DO), SunnyD_36 (EB), Teagster_37 (EB), ThreeRngTarjay_50 (J), VResidence_33 (AZ1), Wanda_58 (J), Yeet_50 (J), Zelink_53 (J),

Start 115:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_71 (K6),

Start 116:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1),

Start 117:

- Found in 174 of 1107 (15.7%) of genes in pham
- Manual Annotations of this start: 160 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_66 (K1), Adephagia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), Aikoy_52 (AE), AlishaPH_66 (K1), AlleyCat_62 (K5), Amelie_55 (K1), Amohntion_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGIlluvia_66 (K1), BaghaKamala_66 (K1), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Bern_68 (K1), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), CallaLilly_68 (K1), Capricorn_66 (K1), CaseJules_68 (K1), Catfish_63 (CU5), CheetoDust_66 (K1), Chris_69 (K1), Clipper_71 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dadosky_62 (K5), Dalmuri_66 (K1), DARTH_66 (K6), Dartin_69 (K1), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Gspu1_55 (CU2), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), InvictusManeo_58 (K5), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Kratio_58 (K5), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), LeMond_70 (K1), Leopard_52 (AE), Leston_60 (K5), LilPharaoh_56 (K1), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacKat_62 (K1), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), McMater_69 (K1), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_64 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Neighly_62 (K3), Nibb_69 (K1), Nikao_58 (K1), Niklas_69 (K1), November_66 (K6), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Onyinye_53 (AE), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peanam_69 (K1), Peel_66 (K1),

PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Richo_69 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), Schmidt_57 (CU4), ScoobyDoobyDoo_73 (C2), SgtBeansprout_56 (K1), Shadow1_71 (K6), Shaobing_69 (K1), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TClif_68 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Thyatira_63 (K5), Tierra_70 (K6), TingHuaYa_70 (K1), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), Torres_57 (K1), TreyKay_68 (K1), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Validus_71 (K1), Veliki_68 (K1), ViviJ_58 (K5), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 118:

- Found in 2 of 1107 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MissDaisy_67 (K4),

Start 119:

- Found in 153 of 1107 (13.8%) of genes in pham
- Manual Annotations of this start: 11 of 980
- Called 7.2% of time when present
- Phage (with cluster) where this start called: BarnCat_46 (GB), Cassita_54 (GB), Kudrefre_114 (DU1), LeeroyJenkins_54 (GB), Lifes_48 (GB), Neville_111 (DU2), Octobien14_110 (DU1), Sephiroth_110 (DU1), Syleon_115 (DU1), Trax_113 (DU2), WaterT_52 (GB),

Start 121:

- Found in 345 of 1107 (31.2%) of genes in pham
- Manual Annotations of this start: 11 of 980
- Called 4.1% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseleli_58 (A1), Omega_56 (J), Porcelain_50 (J), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8), TriFive_31 (L3),

Start 122:

- Found in 5 of 1107 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_52 (V), Cosmo_53 (V), EniyanLRS_50 (V), MaryV_53 (V), Wildcat_53 (V),

Start 128:

- Found in 37 of 1107 (3.3%) of genes in pham
- Manual Annotations of this start: 2 of 980
- Called 5.4% of time when present
- Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 129:

- Found in 14 of 1107 (1.3%) of genes in pham

- Manual Annotations of this start: 1 of 980
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Gonephishing_53 (J), Squint_50 (J),

Start 130:

- Found in 1 of 1107 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JackSparrow_64 (A1),

Start 131:

- Found in 97 of 1107 (8.8%) of genes in pham
- Manual Annotations of this start: 6 of 980
- Called 24.7% of time when present
- Phage (with cluster) where this start called: Baoshan_31 (L2), BourbonZero_30 (L3), BrainDrainer_31 (L4), Claus_32 (L2), DHan_32 (L2), DanBing_31 (L2), DirkDirk_30 (L1), Douzhi_30 (L4), FarmResident_30 (L4), Hafay_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), KirDoubleO7_29 (L3), Lewan_32 (L2), Moostard_31 (L3), PYPDinur_30 (L4), Quby_30 (L4), Rumpelstiltskin_32 (L2), Sarshaun_32 (L2), Sheng711_30 (L4), Soap141_32 (L2), Tyson_30 (L1), Underpass_32 (L2), ZhongYanYuan_31 (L2),

Start 134:

- Found in 45 of 1107 (4.1%) of genes in pham
- Manual Annotations of this start: 1 of 980
- Called 8.9% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_56 (A9), Hanray_56 (A9), Holecx_57 (A9), Liebe_36 (AZ2),

Start 137:

- Found in 146 of 1107 (13.2%) of genes in pham
- Manual Annotations of this start: 3 of 980
- Called 2.7% of time when present
- Phage (with cluster) where this start called: FairyPath_37 (E), IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Summary by clusters:

There are 70 clusters represented in this pham: FQ, singleton, FS, GD4, M3, DO, DD, V, FR, K3, K2, K1, FC, M1, K6, K5, K4, GD3, AE, K8, FL, JA, DL, A15, CU5, A16, A11, CU2, CU1, A12, A1, A2, A13, A9, C2, CQ1, EL, AC, E, EH, GD2, CA, J, A17, N, L4, R, L2, L3, L1, CU3, EB, DU2, A20, F1, CQ2, B8, FB, AZ, M2, DU1, L5, EM2, AZ1, AZ2, AZ3, AZ4, AZ5, CU4, GB,

Info for manual annotations of cluster A1:

- Start number 75 was manually annotated 5 times for cluster A1.
- Start number 76 was manually annotated 31 times for cluster A1.
- Start number 77 was manually annotated 110 times for cluster A1.
- Start number 83 was manually annotated 4 times for cluster A1.
- Start number 85 was manually annotated 10 times for cluster A1.
- Start number 93 was manually annotated 4 times for cluster A1.
- Start number 108 was manually annotated 1 time for cluster A1.
- Start number 121 was manually annotated 1 time for cluster A1.

- Start number 130 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:

- Start number 79 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 79 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:

- Start number 101 was manually annotated 1 time for cluster A15.
- Start number 103 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 79 was manually annotated 2 times for cluster A16.
- Start number 104 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:

- Start number 59 was manually annotated 4 times for cluster A2.
- Start number 79 was manually annotated 59 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 79 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:

- Start number 79 was manually annotated 34 times for cluster A9.
- Start number 108 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:

- Start number 109 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:

- Start number 117 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ1:

- Start number 91 was manually annotated 3 times for cluster AZ1.
- Start number 94 was manually annotated 26 times for cluster AZ1.
- Start number 95 was manually annotated 5 times for cluster AZ1.
- Start number 99 was manually annotated 1 time for cluster AZ1.
- Start number 111 was manually annotated 7 times for cluster AZ1.
- Start number 114 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 114 was manually annotated 2 times for cluster AZ2.
- Start number 134 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 80 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 107 was manually annotated 2 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 96 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster B8:

- Start number 121 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 114 was manually annotated 2 times for cluster C2.
- Start number 117 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:

- Start number 104 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:

- Start number 101 was manually annotated 6 times for cluster CQ1.
- Start number 104 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 94 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 113 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 113 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 117 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 117 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 101 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 101 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 114 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DU1:

- Start number 119 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 95 was manually annotated 1 time for cluster DU2.
- Start number 119 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster E:

- Start number 110 was manually annotated 3 times for cluster E.
- Start number 113 was manually annotated 117 times for cluster E.

- Start number 137 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EB:

- Start number 114 was manually annotated 4 times for cluster EB.

Info for manual annotations of cluster EH:

- Start number 89 was manually annotated 1 time for cluster EH.
- Start number 100 was manually annotated 1 time for cluster EH.
- Start number 101 was manually annotated 1 time for cluster EH.
- Start number 107 was manually annotated 10 times for cluster EH.

Info for manual annotations of cluster EL:

- Start number 105 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:

- Start number 111 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster F1:

- Start number 75 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FB:

- Start number 111 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:

- Start number 107 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FL:

- Start number 87 was manually annotated 1 time for cluster FL.
- Start number 97 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FQ:

- Start number 108 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster GB:

- Start number 119 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD2:

- Start number 107 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 107 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 107 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:

- Start number 114 was manually annotated 30 times for cluster J.
- Start number 121 was manually annotated 9 times for cluster J.
- Start number 129 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JA:

- Start number 100 was manually annotated 4 times for cluster JA.
- Start number 112 was manually annotated 3 times for cluster JA.

Info for manual annotations of cluster K1:

- Start number 116 was manually annotated 1 time for cluster K1.
- Start number 117 was manually annotated 102 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 117 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 113 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 118 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 117 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 115 was manually annotated 1 time for cluster K6.
- Start number 117 was manually annotated 19 times for cluster K6.

Info for manual annotations of cluster K8:

- Start number 103 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 113 was manually annotated 17 times for cluster L1.
- Start number 131 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 113 was manually annotated 25 times for cluster L2.
- Start number 131 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 113 was manually annotated 15 times for cluster L3.
- Start number 131 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L4:

- Start number 113 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 128 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 96 was manually annotated 11 times for cluster M1.
- Start number 113 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 112 was manually annotated 1 time for cluster M2.
- Start number 113 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 113 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 88 was manually annotated 2 times for cluster N.
- Start number 91 was manually annotated 33 times for cluster N.

Info for manual annotations of cluster R:

- Start number 107 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:

- Start number 122 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 113

Candidate Starts for 244_39:

(Start: 113 @33415 has 202 MA's), (Start: 137 @33472 has 3 MA's), (149, 33505), (151, 33511), (173, 33565), (180, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 79

Candidate Starts for 40AC_59:

(Start: 79 @39531 has 125 MA's), (Start: 119 @39510 has 11 MA's), (Start: 121 @39504 has 11 MA's), (150, 39417), (163, 39381), (180, 39351),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 77

Candidate Starts for A6_54:

(Start: 76 @38913 has 31 MA's), (Start: 77 @38910 has 110 MA's), (Start: 83 @38898 has 4 MA's), (Start: 121 @38868 has 11 MA's), (138, 38817), (142, 38802), (149, 38781), (164, 38751), (175, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 113

Candidate Starts for ABCat_36:

(Start: 113 @33127 has 202 MA's), (Start: 137 @33184 has 3 MA's), (149, 33217), (151, 33223), (173, 33277), (180, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 111

Candidate Starts for AEgle_32:

(Start: 111 @24443 has 10 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 77

Candidate Starts for AFIS_58:

(Start: 76 @39982 has 31 MA's), (Start: 77 @39979 has 110 MA's), (Start: 83 @39967 has 4 MA's), (Start: 121 @39946 has 11 MA's), (138, 39895), (142, 39880), (149, 39859), (164, 39829), (175, 39799), (205, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 94

Candidate Starts for AGrandiflora_34:

(19, 24412), (25, 24448), (Start: 94 @24670 has 28 MA's), (179, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 59

Candidate Starts for AN9_61:

(Start: 59 @38705 has 4 MA's), (Start: 79 @38666 has 125 MA's), (Start: 108 @38657 has 3 MA's),
(146, 38564), (163, 38516), (180, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 59

Candidate Starts for ANI8_61:

(Start: 59 @38705 has 4 MA's), (Start: 79 @38666 has 125 MA's), (Start: 108 @38657 has 3 MA's),
(146, 38564), (163, 38516), (180, 38486),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 79

Candidate Starts for AbbyPaige_60:

(Start: 79 @38775 has 125 MA's), (Start: 108 @38766 has 3 MA's), (Start: 119 @38754 has 11 MA's),
(Start: 121 @38748 has 11 MA's),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 77

Candidate Starts for Abbysshoes_63:

(Start: 76 @41672 has 31 MA's), (Start: 77 @41669 has 110 MA's), (Start: 83 @41657 has 4 MA's),
(Start: 121 @41636 has 11 MA's), (138, 41585), (142, 41570), (149, 41549), (164, 41519), (175,
41489),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 93

Candidate Starts for Abrogate_610:

(Start: 77 @42684 has 110 MA's), (Start: 93 @42660 has 4 MA's), (138, 42591), (142, 42576), (149,
42555), (156, 42534), (164, 42525), (175, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 101

Candidate Starts for Abscondus_124:

(Start: 101 @70975 has 14 MA's), (Start: 128 @71023 has 2 MA's), (175, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 76

Candidate Starts for Acme_64:

(Start: 76 @41595 has 31 MA's), (Start: 77 @41592 has 110 MA's), (Start: 83 @41580 has 4 MA's),
(Start: 121 @41559 has 11 MA's), (138, 41508), (142, 41493), (149, 41472), (164, 41442), (175,
41412), (205, 41337),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 79

Candidate Starts for Acolyte_53:

(Start: 79 @37597 has 125 MA's), (Start: 108 @37588 has 3 MA's), (Start: 119 @37576 has 11 MA's),
(Start: 121 @37570 has 11 MA's), (133, 37534), (147, 37492), (163, 37447),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 113

Candidate Starts for Acquire49_30:

(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 117

Candidate Starts for ActinUp_66:

(Start: 117 @43467 has 160 MA's), (147, 43557), (188, 43653), (196, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 112

Candidate Starts for AddiRose_51:

(Start: 112 @34005 has 4 MA's), (170, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 117

Candidate Starts for Adephagia_66:

(Start: 117 @43504 has 160 MA's), (147, 43594), (188, 43690), (196, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 113

Candidate Starts for Adnama_40:

(Start: 113 @33642 has 202 MA's), (Start: 137 @33699 has 3 MA's), (149, 33732), (151, 33738), (173, 33792), (180, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 111

Candidate Starts for Adolin_32:

(12, 22735), (19, 22849), (25, 22885), (Start: 111 @23104 has 10 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 117

Candidate Starts for Adonis_66:

(Start: 117 @43739 has 160 MA's), (147, 43829), (188, 43925), (196, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 91

Candidate Starts for Adumb2043_32:

(8, 23982), (19, 24183), (25, 24219), (Start: 91 @24438 has 36 MA's), (179, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 79

Candidate Starts for Adzzy_59:

(Start: 79 @37247 has 125 MA's), (133, 37184), (149, 37136), (163, 37097), (168, 37085), (180, 37067),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 128

Candidate Starts for Aegeus_33:

(Start: 113 @27789 has 202 MA's), (125, 27816), (Start: 128 @27825 has 2 MA's), (138, 27852), (147, 27882), (155, 27903), (175, 27942), (179, 27945), (180, 27948), (197, 28005), (202, 28014),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 76

Candidate Starts for Aeneas_65:

(Start: 76 @43097 has 31 MA's), (Start: 77 @43094 has 110 MA's), (Start: 83 @43082 has 4 MA's), (Start: 121 @43061 has 11 MA's), (138, 43010), (142, 42995), (149, 42974), (164, 42944), (175, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 77

Candidate Starts for Agaliana_56:

(Start: 76 @37894 has 31 MA's), (Start: 77 @37891 has 110 MA's), (Start: 83 @37879 has 4 MA's), (Start: 121 @37849 has 11 MA's), (138, 37798), (142, 37783), (149, 37762), (164, 37732), (175, 37702),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 79

Candidate Starts for Agape74_60:

(Start: 79 @38769 has 125 MA's), (Start: 108 @38760 has 3 MA's), (Start: 119 @38748 has 11 MA's), (Start: 121 @38742 has 11 MA's), (163, 38619),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 117

Candidate Starts for Agent47_60:

(Start: 117 @40769 has 160 MA's), (166, 40901), (179, 40931), (192, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 117

Candidate Starts for Ageofdapage_70:

(Start: 117 @44895 has 160 MA's), (147, 44985), (188, 45081), (196, 45105),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 117

Candidate Starts for Aikoy_52:

(Start: 117 @39434 has 160 MA's), (138, 39374), (146, 39347), (164, 39308), (173, 39284), (175, 39278), (180, 39272), (187, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 107

Candidate Starts for AinMach_35:

(33, 25390), (90, 25534), (Start: 107 @25558 has 28 MA's), (173, 25723),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 77

Candidate Starts for Ajay_62:

(Start: 76 @41485 has 31 MA's), (Start: 77 @41482 has 110 MA's), (Start: 83 @41470 has 4 MA's), (Start: 121 @41449 has 11 MA's), (138, 41398), (142, 41383), (149, 41362), (164, 41332), (175, 41302), (205, 41227),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 104

Candidate Starts for Alatin_45:

(Start: 104 @34365 has 43 MA's), (Start: 119 @34347 has 11 MA's), (Start: 121 @34341 has 11 MA's), (159, 34224), (179, 34191), (181, 34185), (201, 34125), (212, 34077),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 117

Candidate Starts for AlishaPH_66:

(Start: 117 @43765 has 160 MA's), (147, 43855), (188, 43951), (196, 43975),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 79

Candidate Starts for Aliter_58:

(Start: 79 @38153 has 125 MA's), (Start: 108 @38144 has 3 MA's), (Start: 134 @38087 has 1 MA's), (146, 38051), (158, 38012), (173, 37985), (180, 37973),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 117

Candidate Starts for AlleyCat_62:

(Start: 117 @41081 has 160 MA's), (142, 41156), (172, 41228),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 79

Candidate Starts for Alma_58:

(Start: 79 @38528 has 125 MA's), (Start: 108 @38519 has 3 MA's), (Start: 134 @38462 has 1 MA's), (146, 38426), (158, 38387), (173, 38360), (180, 38348),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 104

Candidate Starts for Alpacados_45:

(Start: 104 @34270 has 43 MA's), (Start: 119 @34252 has 11 MA's), (Start: 121 @34246 has 11 MA's), (159, 34129), (179, 34096), (181, 34090), (201, 34030), (212, 33982),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 77

Candidate Starts for Alsfro_68:

(Start: 76 @41765 has 31 MA's), (Start: 77 @41762 has 110 MA's), (Start: 83 @41750 has 4 MA's), (Start: 121 @41720 has 11 MA's), (138, 41669), (142, 41654), (149, 41633), (164, 41603), (175, 41573), (205, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 77

Candidate Starts for Altman_64:

(Start: 76 @41403 has 31 MA's), (Start: 77 @41400 has 110 MA's), (Start: 83 @41388 has 4 MA's), (138, 41307), (142, 41292), (149, 41271), (164, 41241), (175, 41211),

Gene: Altostratus_59 Start: 35532, Stop: 35810, Start Num: 114

Candidate Starts for Altostratus_59:

(Start: 114 @35532 has 44 MA's), (132, 35577), (144, 35622), (173, 35697),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 77

Candidate Starts for Alvin_62:

(36, 41332), (37, 41329), (51, 41284), (60, 41266), (Start: 76 @41230 has 31 MA's), (Start: 77 @41227 has 110 MA's), (Start: 83 @41215 has 4 MA's), (Start: 121 @41185 has 11 MA's), (138, 41134), (142, 41119), (149, 41098), (164, 41068), (175, 41038), (194, 40993), (205, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 113

Candidate Starts for Amao_37:

(Start: 113 @32339 has 202 MA's), (Start: 137 @32396 has 3 MA's), (149, 32429), (151, 32435), (168, 32483), (173, 32489), (180, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 117

Candidate Starts for Amelie_55:

(61, 40869), (Start: 117 @40941 has 160 MA's), (152, 41046), (172, 41088), (188, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 113

Candidate Starts for AmericanBeauty_39:

(Start: 113 @33122 has 202 MA's), (Start: 137 @33179 has 3 MA's), (149, 33212), (151, 33218), (173, 33272), (180, 33284),

Gene: Amohndition_66 Start: 44113, Stop: 44352, Start Num: 117

Candidate Starts for Amohndition_66:

(Start: 117 @44113 has 160 MA's), (147, 44203), (172, 44263),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 95

Candidate Starts for Amyev_33:

(Start: 95 @26378 has 6 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 117

Candidate Starts for Anaya_69:

(61, 44380), (Start: 117 @44458 has 160 MA's), (147, 44548), (188, 44644), (196, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 103

Candidate Starts for Anaysia_64:

(7, 38111), (10, 38087), (13, 38009), (Start: 103 @37667 has 22 MA's), (180, 37490), (190, 37451),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 91

Candidate Starts for Andies_48:

(Start: 91 @34452 has 36 MA's), (Start: 119 @34464 has 11 MA's), (175, 34614), (179, 34617), (205, 34692),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 79

Candidate Starts for Aneem_58:

(Start: 79 @37786 has 125 MA's), (Start: 108 @37777 has 3 MA's), (180, 37606),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 117

Candidate Starts for Angelica_66:

(Start: 117 @43657 has 160 MA's), (147, 43747), (188, 43843), (196, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 76

Candidate Starts for Anglerfish_62:

(Start: 76 @41575 has 31 MA's), (Start: 77 @41572 has 110 MA's), (Start: 83 @41560 has 4 MA's),
(Start: 119 @41545 has 11 MA's), (Start: 121 @41539 has 11 MA's), (138, 41488), (142, 41473), (149,
41452), (164, 41422), (175, 41392),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 104

Candidate Starts for AngryOrchard_44:

(Start: 104 @34430 has 43 MA's), (Start: 119 @34412 has 11 MA's), (Start: 121 @34406 has 11
MA's), (159, 34289), (179, 34256), (181, 34250), (201, 34190), (212, 34142),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 98

Candidate Starts for AnnabelLee_3:

(98, 977),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 103

Candidate Starts for Anon_61:

(Start: 103 @37216 has 22 MA's), (159, 37075), (186, 37018), (197, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 79

Candidate Starts for Anselm_59:

(Start: 79 @38676 has 125 MA's), (Start: 108 @38667 has 3 MA's), (Start: 119 @38655 has 11 MA's),
(Start: 121 @38649 has 11 MA's), (163, 38526), (180, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 79

Candidate Starts for Anthony_54:

(Start: 79 @36233 has 125 MA's), (Start: 108 @36224 has 3 MA's), (Start: 121 @36206 has 11 MA's),
(Start: 128 @36185 has 2 MA's), (180, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 101

Candidate Starts for Aphelion_125:

(Start: 101 @72038 has 14 MA's), (Start: 128 @72086 has 2 MA's), (175, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 116

Candidate Starts for Apocalypse_69:

(Start: 116 @44420 has 1 MA's), (147, 44510), (188, 44606), (196, 44630),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 104

Candidate Starts for AppleCloud_43:

(Start: 104 @34089 has 43 MA's), (Start: 119 @34071 has 11 MA's), (Start: 121 @34065 has 11
MA's), (158, 33951), (159, 33948), (179, 33915), (181, 33909),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 93

Candidate Starts for Applejack_60:

(Start: 77 @39693 has 110 MA's), (Start: 93 @39669 has 4 MA's), (138, 39600), (142, 39585), (149,
39564), (164, 39534), (175, 39504),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 113

Candidate Starts for Appletree2_30:

(Start: 113 @27633 has 202 MA's), (Start: 131 @27678 has 6 MA's), (175, 27786),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 77

Candidate Starts for Arcanine_64:

(Start: 76 @42299 has 31 MA's), (Start: 77 @42296 has 110 MA's), (Start: 83 @42284 has 4 MA's), (Start: 119 @42269 has 11 MA's), (Start: 121 @42263 has 11 MA's), (138, 42212), (142, 42197), (149, 42176), (164, 42146), (175, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 113

Candidate Starts for Archie_32:

(Start: 113 @28911 has 202 MA's), (Start: 131 @28956 has 6 MA's), (149, 29007), (155, 29025), (181, 29073), (205, 29145), (211, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for Argent26_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 121

Candidate Starts for Ariel_51:

(Start: 121 @40408 has 11 MA's), (Start: 129 @40435 has 1 MA's), (147, 40489), (149, 40492), (175, 40549), (188, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 79

Candidate Starts for Arissanae_57:

(Start: 79 @38844 has 125 MA's), (Start: 108 @38835 has 3 MA's), (133, 38781), (146, 38742), (163, 38694),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 111

Candidate Starts for Asa16_34:

(19, 26370), (20, 26379), (Start: 111 @26607 has 10 MA's), (132, 26655), (181, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Asayake_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 94

Candidate Starts for Ascela_34:

(Start: 94 @24798 has 28 MA's), (179, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 77

Candidate Starts for Ashballer_65:

(Start: 76 @42046 has 31 MA's), (Start: 77 @42043 has 110 MA's), (Start: 83 @42031 has 4 MA's), (Start: 121 @42010 has 11 MA's), (138, 41959), (142, 41944), (149, 41923), (164, 41893), (175, 41863),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 96

Candidate Starts for Ashes_31:

(Start: 96 @22585 has 21 MA's), (Start: 111 @22600 has 10 MA's), (140, 22663), (143, 22681), (189, 22783),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 113

Candidate Starts for Asriel_36:

(Start: 113 @31996 has 202 MA's), (Start: 137 @32053 has 3 MA's), (149, 32086), (151, 32092), (173, 32146), (180, 32158),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 117

Candidate Starts for Atiba_67:

(Start: 117 @43467 has 160 MA's), (147, 43557), (188, 43653), (196, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 75

Candidate Starts for Atkinbua_64:

(Start: 75 @41089 has 6 MA's), (Start: 83 @41077 has 4 MA's), (Start: 121 @41056 has 11 MA's), (138, 41005), (142, 40990), (149, 40969), (164, 40939), (175, 40909), (205, 40834),

Gene: Atuin_105 Start: 87057, Stop: 87320, Start Num: 107

Candidate Starts for Atuin_105:

(Start: 107 @87057 has 28 MA's), (187, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 100

Candidate Starts for Audell_6:

(Start: 100 @4387 has 5 MA's), (144, 4477), (170, 4534),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 113

Candidate Starts for Auspice_39:

(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 113

Candidate Starts for AvadaKedavra_30:

(Start: 113 @27700 has 202 MA's), (Start: 131 @27745 has 6 MA's), (175, 27853),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 113

Candidate Starts for Aziz_44:

(Start: 113 @33930 has 202 MA's), (147, 34023), (170, 34074), (171, 34077), (179, 34092), (202, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 122

Candidate Starts for Azrael100_52:

(Start: 122 @39360 has 5 MA's), (144, 39441), (164, 39489), (176, 39522), (177, 39525), (179, 39528), (188, 39561), (202, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 114

Candidate Starts for BAKA_56:

(Start: 114 @44234 has 44 MA's), (138, 44297), (147, 44327), (149, 44330), (179, 44390), (180, 44393), (181, 44396),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for BEEST_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 104

Candidate Starts for BFK20_ORF53:

(Start: 85 @41539 has 10 MA's), (Start: 99 @41563 has 1 MA's), (Start: 104 @41569 has 43 MA's), (133, 41629), (149, 41671), (151, 41677), (178, 41737),

Gene: BGIlluviae_66 Start: 43622, Stop: 43864, Start Num: 117
Candidate Starts for BGIlluviae_66:
(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 77
Candidate Starts for BK1_54:
(Start: 76 @38913 has 31 MA's), (Start: 77 @38910 has 110 MA's), (Start: 83 @38898 has 4 MA's),
(Start: 121 @38868 has 11 MA's), (138, 38817), (142, 38802), (149, 38781), (164, 38751), (175,
38721),

Gene: BPBiabs31_64 Start: 41826, Stop: 41557, Start Num: 76
Candidate Starts for BPBiabs31_64:
(Start: 76 @41826 has 31 MA's), (Start: 77 @41823 has 110 MA's), (Start: 83 @41811 has 4 MA's),
(Start: 119 @41796 has 11 MA's), (Start: 121 @41790 has 11 MA's), (142, 41724), (149, 41703), (164,
41673), (175, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 91
Candidate Starts for BabeRuth_56:
(Start: 91 @36173 has 36 MA's), (Start: 119 @36185 has 11 MA's), (175, 36335), (179, 36338), (205,
36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 110
Candidate Starts for BaboJay_37:
(72, 33145), (73, 33148), (84, 33175), (Start: 110 @33214 has 3 MA's), (Start: 137 @33274 has 3
MA's), (149, 33307), (151, 33313), (173, 33367), (180, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 104
Candidate Starts for Bachita_128:
(48, 71889), (55, 71904), (Start: 76 @71949 has 31 MA's), (Start: 104 @71997 has 43 MA's), (Start:
128 @72042 has 2 MA's), (175, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 79
Candidate Starts for Bachome_59:
(Start: 79 @37766 has 125 MA's), (Start: 108 @37757 has 3 MA's), (163, 37616),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 77
Candidate Starts for BaconJack_66:
(Start: 76 @44016 has 31 MA's), (Start: 77 @44013 has 110 MA's), (Start: 83 @44001 has 4 MA's),
(Start: 121 @43980 has 11 MA's), (138, 43929), (142, 43914), (149, 43893), (164, 43863), (175,
43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 113
Candidate Starts for BadStone_36:
(Start: 113 @33127 has 202 MA's), (Start: 137 @33184 has 3 MA's), (149, 33217), (151, 33223), (168,
33271), (173, 33277), (180, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 117
Candidate Starts for BaghaKamala_66:
(Start: 77 @43241 has 110 MA's), (Start: 117 @43286 has 160 MA's), (147, 43376), (188, 43472),
(196, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 114
Candidate Starts for Bagrid_51:

(Start: 114 @43567 has 44 MA's), (138, 43630), (147, 43660), (149, 43663), (179, 43723), (180, 43726), (181, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 113

Candidate Starts for Balomoji_36:

(Start: 113 @32861 has 202 MA's), (Start: 137 @32918 has 3 MA's), (149, 32951), (151, 32957), (168, 33005), (173, 33011), (180, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 113

Candidate Starts for Banquo_62:

(Start: 113 @38905 has 202 MA's), (132, 38947), (147, 38992), (150, 39001), (173, 39052), (179, 39061), (186, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 101

Candidate Starts for Bantam_85:

(Start: 101 @57381 has 14 MA's), (126, 57333),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 131

Candidate Starts for Baoshan_31:

(Start: 113 @28243 has 202 MA's), (Start: 131 @28288 has 6 MA's), (149, 28339), (205, 28477), (211, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 113

Candidate Starts for Barbarian_36:

(Start: 113 @31996 has 202 MA's), (Start: 137 @32053 has 3 MA's), (149, 32086), (151, 32092), (173, 32146), (180, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 119

Candidate Starts for BarnCat_46:

(49, 30518), (58, 30536), (Start: 119 @30635 has 11 MA's), (138, 30692), (146, 30719), (149, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 107

Candidate Starts for Barnstormer_41:

(38, 26781), (Start: 107 @26907 has 28 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 117

Candidate Starts for BarrelRoll_67:

(Start: 117 @43905 has 160 MA's), (147, 43995), (188, 44091), (196, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 77

Candidate Starts for Barriga_65:

(Start: 76 @40223 has 31 MA's), (Start: 77 @40220 has 110 MA's), (Start: 83 @40208 has 4 MA's), (Start: 121 @40187 has 11 MA's), (138, 40136), (142, 40121), (149, 40100), (164, 40070), (175, 40040), (205, 39965),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 113

Candidate Starts for Bask21_37:

(Start: 113 @32313 has 202 MA's), (Start: 137 @32370 has 3 MA's), (149, 32403), (151, 32409), (173, 32463), (180, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 103

Candidate Starts for Battleship_66:

(7, 38317), (13, 38215), (Start: 103 @37873 has 22 MA's), (180, 37696),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 128

Candidate Starts for Baudelaire_33:

(Start: 113 @27789 has 202 MA's), (125, 27816), (Start: 128 @27825 has 2 MA's), (138, 27852), (147, 27882), (155, 27903), (175, 27942), (179, 27945), (180, 27948), (197, 28005), (202, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 113

Candidate Starts for Bazzle_32:

(Start: 113 @28660 has 202 MA's), (Start: 131 @28705 has 6 MA's), (149, 28756), (155, 28774), (181, 28822), (205, 28894), (211, 28915),

Gene: Beatrix_61 Start: 42133, Stop: 41867, Start Num: 77

Candidate Starts for Beatrix_61:

(Start: 76 @42136 has 31 MA's), (Start: 77 @42133 has 110 MA's), (Start: 83 @42121 has 4 MA's), (Start: 121 @42097 has 11 MA's), (Start: 137 @42052 has 3 MA's), (142, 42034), (149, 42013), (164, 41983), (175, 41953), (205, 41878),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 114

Candidate Starts for Beem_52:

(Start: 114 @44133 has 44 MA's), (138, 44196), (147, 44226), (149, 44229), (179, 44289), (180, 44292), (181, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 79

Candidate Starts for Beemo_58:

(Start: 79 @38323 has 125 MA's), (Start: 108 @38314 has 3 MA's), (Start: 134 @38257 has 1 MA's), (146, 38221), (158, 38182), (173, 38155), (180, 38143),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 77

Candidate Starts for BeesKnees_64:

(Start: 77 @40665 has 110 MA's), (Start: 83 @40653 has 4 MA's), (138, 40572), (142, 40557), (149, 40536), (164, 40506), (175, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 117

Candidate Starts for Beezoo_68:

(Start: 117 @44417 has 160 MA's), (147, 44507), (188, 44603), (196, 44627),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 104

Candidate Starts for Belenaria_46:

(Start: 104 @34231 has 43 MA's), (Start: 119 @34213 has 11 MA's), (Start: 121 @34207 has 11 MA's), (159, 34090), (179, 34057), (181, 34051), (201, 33991), (212, 33943),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 117

Candidate Starts for Bella96_67:

(Start: 117 @44208 has 160 MA's), (147, 44298), (188, 44394), (196, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Belladonna_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 113

Candidate Starts for Bellis_31:

(Start: 113 @28787 has 202 MA's), (Start: 121 @28799 has 11 MA's), (Start: 131 @28832 has 6 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 113

Candidate Starts for Bench_39:

(Start: 113 @32995 has 202 MA's), (Start: 137 @33052 has 3 MA's), (149, 33085), (151, 33091), (173, 33145), (180, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 79

Candidate Starts for Benvolio_55:

(Start: 79 @37700 has 125 MA's), (Start: 108 @37691 has 3 MA's), (Start: 119 @37679 has 11 MA's), (Start: 121 @37673 has 11 MA's), (163, 37550),

Gene: Bern_68 Start: 42879, Stop: 43121, Start Num: 117

Candidate Starts for Bern_68:

(Start: 77 @42834 has 110 MA's), (Start: 117 @42879 has 160 MA's), (147, 42969), (188, 43065), (196, 43089),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 94

Candidate Starts for Berrie_34:

(19, 25445), (21, 25454), (Start: 94 @25682 has 28 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 76

Candidate Starts for Bethlehem_61:

(Start: 76 @42502 has 31 MA's), (Start: 77 @42499 has 110 MA's), (Start: 83 @42487 has 4 MA's), (Start: 95 @42472 has 6 MA's), (Start: 121 @42466 has 11 MA's), (138, 42415), (142, 42400), (149, 42379), (164, 42349), (175, 42319), (205, 42244),

Gene: Bexan_59 Start: 41912, Stop: 41646, Start Num: 77

Candidate Starts for Bexan_59:

(Start: 76 @41915 has 31 MA's), (Start: 77 @41912 has 110 MA's), (Start: 83 @41900 has 4 MA's), (Start: 121 @41876 has 11 MA's), (Start: 137 @41831 has 3 MA's), (142, 41813), (164, 41762), (205, 41657),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 77

Candidate Starts for Big3_63:

(Start: 76 @42554 has 31 MA's), (Start: 77 @42551 has 110 MA's), (Start: 83 @42539 has 4 MA's), (Start: 121 @42518 has 11 MA's), (138, 42467), (142, 42452), (149, 42431), (164, 42401), (175, 42371), (205, 42299),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 107

Candidate Starts for Big4_204:

(Start: 75 @114774 has 6 MA's), (Start: 107 @114726 has 28 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 113

Candidate Starts for BigBubba_38:

(Start: 113 @32898 has 202 MA's), (Start: 137 @32955 has 3 MA's), (149, 32988), (151, 32994), (168, 33042), (173, 33048), (180, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for BigCheese_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 77

Candidate Starts for BigPaolini_59:

(Start: 76 @39211 has 31 MA's), (Start: 77 @39208 has 110 MA's), (Start: 83 @39196 has 4 MA's), (Start: 121 @39166 has 11 MA's), (138, 39115), (142, 39100), (149, 39079), (164, 39049), (175, 39019),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 77

Candidate Starts for Bigfoot_54:

(Start: 76 @40157 has 31 MA's), (Start: 77 @40154 has 110 MA's), (Start: 83 @40142 has 4 MA's), (Start: 121 @40121 has 11 MA's), (138, 40070), (142, 40055), (149, 40034), (164, 40004), (175, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 117

Candidate Starts for Biglebops_55:

(61, 40869), (Start: 117 @40941 has 160 MA's), (152, 41046), (172, 41088), (188, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 113

Candidate Starts for BilboSwaggins_37:

(Start: 113 @33135 has 202 MA's), (Start: 137 @33192 has 3 MA's), (149, 33225), (151, 33231), (173, 33285), (180, 33297),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 77

Candidate Starts for Bircsak_61:

(Start: 76 @42812 has 31 MA's), (Start: 77 @42809 has 110 MA's), (Start: 83 @42797 has 4 MA's), (Start: 121 @42776 has 11 MA's), (138, 42725), (142, 42710), (149, 42689), (164, 42659), (175, 42629),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Blizzard_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 107

Candidate Starts for Bloom_112:

(Start: 107 @87140 has 28 MA's), (Start: 111 @87146 has 10 MA's), (Start: 121 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 121

Candidate Starts for Blue_61:

(Start: 76 @41857 has 31 MA's), (Start: 77 @41854 has 110 MA's), (Start: 83 @41842 has 4 MA's), (Start: 121 @41818 has 11 MA's), (Start: 137 @41773 has 3 MA's), (142, 41755), (164, 41704), (194, 41629), (205, 41599),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 79

Candidate Starts for BobSwaget_54:

(Start: 79 @37176 has 125 MA's), (Start: 121 @37149 has 11 MA's), (163, 37026), (180, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 114

Candidate Starts for Bobby_51:

(Start: 114 @42712 has 44 MA's), (168, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 104

Candidate Starts for BobbyDazzler_46:

(Start: 104 @34344 has 43 MA's), (Start: 119 @34326 has 11 MA's), (Start: 121 @34320 has 11 MA's), (159, 34203), (179, 34170), (181, 34164), (201, 34104), (212, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 113
Candidate Starts for BobsGarage_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 79
Candidate Starts for BogosyJay_57:
(Start: 79 @38245 has 125 MA's), (Start: 108 @38236 has 3 MA's), (Start: 134 @38179 has 1 MA's), (146, 38143), (180, 38065),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 117
Candidate Starts for Boiiii_66:
(Start: 117 @43821 has 160 MA's), (147, 43911), (188, 44007), (196, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 103
Candidate Starts for Boilgate_63:
(Start: 103 @45255 has 22 MA's), (Start: 118 @45270 has 1 MA's), (204, 45486), (206, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 114
Candidate Starts for Bombitas_49:
(Start: 114 @43727 has 44 MA's), (168, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 104
Candidate Starts for Bonanza_46:
(Start: 104 @34272 has 43 MA's), (Start: 119 @34254 has 11 MA's), (Start: 121 @34248 has 11 MA's), (159, 34131), (179, 34098), (181, 34092), (201, 34032), (212, 33984),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 96
Candidate Starts for Bongo_39:
(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 103
Candidate Starts for Boohoo_64:
(7, 38111), (10, 38087), (13, 38009), (Start: 103 @37667 has 22 MA's), (180, 37490), (190, 37451),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 117
Candidate Starts for BoostSeason_69:
(64, 45610), (68, 45616), (Start: 117 @45667 has 160 MA's), (147, 45757), (179, 45826), (188, 45850), (209, 45904),

Gene: Bosection6_51 Start: 33918, Stop: 34166, Start Num: 91
Candidate Starts for Bosection6_51:
(6, 33354), (14, 33573), (26, 33711), (27, 33744), (54, 33840), (Start: 91 @33918 has 36 MA's), (Start: 119 @33930 has 11 MA's), (147, 34014), (175, 34080), (179, 34083),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 131
Candidate Starts for BourbonZero_30:
(Start: 113 @28735 has 202 MA's), (Start: 121 @28747 has 11 MA's), (Start: 131 @28780 has 6 MA's), (147, 28828),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 79

Candidate Starts for Bowtie_58:

(Start: 79 @37793 has 125 MA's), (Start: 108 @37784 has 3 MA's), (180, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 79

Candidate Starts for Bradman_57:

(Start: 79 @37421 has 125 MA's), (Start: 119 @37400 has 11 MA's), (Start: 121 @37394 has 11 MA's), (163, 37271), (168, 37259),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 104

Candidate Starts for Bradshaw_46:

(Start: 104 @34298 has 43 MA's), (Start: 119 @34280 has 11 MA's), (Start: 121 @34274 has 11 MA's), (159, 34157), (179, 34124), (181, 34118), (201, 34058), (212, 34010),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 131

Candidate Starts for BrainDrainer_31:

(Start: 113 @27718 has 202 MA's), (Start: 131 @27763 has 6 MA's), (180, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for Breezona_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 96

Candidate Starts for Bricole_39:

(45, 32637), (Start: 96 @32748 has 21 MA's), (Start: 113 @32766 has 202 MA's), (138, 32829), (172, 32916), (175, 32925), (181, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 113

Candidate Starts for Bromden_32:

(Start: 113 @28137 has 202 MA's), (Start: 131 @28182 has 6 MA's), (175, 28290), (205, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 113

Candidate Starts for Bruin_37:

(Start: 113 @33155 has 202 MA's), (Start: 137 @33212 has 3 MA's), (149, 33245), (151, 33251), (173, 33305), (180, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 94

Candidate Starts for BrutonGaster_100:

(50, 65226), (Start: 94 @65316 has 28 MA's), (Start: 104 @65328 has 43 MA's), (173, 65496), (198, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 104

Candidate Starts for Bryce_45:

(Start: 104 @34052 has 43 MA's), (Start: 119 @34034 has 11 MA's), (Start: 121 @34028 has 11 MA's), (159, 33911), (179, 33878), (181, 33872), (201, 33812), (212, 33764),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 117

Candidate Starts for Bryler_70:

(64, 43392), (Start: 117 @43476 has 160 MA's), (Start: 121 @43485 has 11 MA's), (147, 43566), (171, 43620),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 113

Candidate Starts for Buck_36:

(Start: 113 @33091 has 202 MA's), (Start: 137 @33148 has 3 MA's), (149, 33181), (151, 33187), (173, 33241), (180, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 79

Candidate Starts for Bud_57:

(Start: 79 @37340 has 125 MA's), (Start: 108 @37331 has 3 MA's), (180, 37160),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 113

Candidate Starts for BugsBunny_35:

(Start: 113 @32724 has 202 MA's), (Start: 137 @32781 has 3 MA's), (149, 32814), (151, 32820), (173, 32874), (180, 32886),

Gene: Buggy_60 Start: 38826, Stop: 38554, Start Num: 79

Candidate Starts for Buggy_60:

(18, 39066), (23, 39027), (Start: 79 @38826 has 125 MA's), (Start: 108 @38817 has 3 MA's), (Start: 119 @38805 has 11 MA's), (Start: 121 @38799 has 11 MA's), (163, 38676),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 77

Candidate Starts for Burton_63:

(Start: 76 @42837 has 31 MA's), (Start: 77 @42834 has 110 MA's), (Start: 83 @42822 has 4 MA's), (Start: 121 @42801 has 11 MA's), (138, 42750), (142, 42735), (149, 42714), (164, 42684), (175, 42654), (205, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 91

Candidate Starts for Butters_53:

(27, 35339), (54, 35435), (Start: 91 @35513 has 36 MA's), (Start: 119 @35525 has 11 MA's), (147, 35609), (175, 35675), (179, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 76

Candidate Starts for Buttons_59:

(Start: 76 @38725 has 31 MA's), (Start: 77 @38722 has 110 MA's), (Start: 83 @38710 has 4 MA's), (Start: 121 @38689 has 11 MA's), (138, 38638), (142, 38623), (149, 38602), (164, 38572), (175, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 77

Candidate Starts for Bxb1_56:

(Start: 76 @39838 has 31 MA's), (Start: 77 @39835 has 110 MA's), (Start: 83 @39823 has 4 MA's), (Start: 121 @39802 has 11 MA's), (138, 39751), (142, 39736), (149, 39715), (164, 39685), (175, 39655), (205, 39580),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 59

Candidate Starts for C3_56:

(Start: 59 @38705 has 4 MA's), (Start: 79 @38666 has 125 MA's), (Start: 108 @38657 has 3 MA's), (146, 38564), (163, 38516), (180, 38486),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for CREW_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 113

Candidate Starts for Cactus_38:

(Start: 113 @32346 has 202 MA's), (Start: 137 @32403 has 3 MA's), (149, 32436), (151, 32442), (173, 32496), (180, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 77

Candidate Starts for CactusRose_62:

(Start: 76 @41177 has 31 MA's), (Start: 77 @41174 has 110 MA's), (Start: 83 @41162 has 4 MA's), (Start: 121 @41141 has 11 MA's), (138, 41090), (142, 41075), (149, 41054), (164, 41024), (175, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 117

Candidate Starts for Cain_70:

(64, 43380), (Start: 117 @43464 has 160 MA's), (Start: 121 @43473 has 11 MA's), (147, 43554), (171, 43608),

Gene: CallaLilly_68 Start: 43545, Stop: 43787, Start Num: 117

Candidate Starts for CallaLilly_68:

(Start: 117 @43545 has 160 MA's), (147, 43635), (188, 43731), (196, 43755),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 113

Candidate Starts for Calm_30:

(Start: 113 @27704 has 202 MA's), (Start: 131 @27749 has 6 MA's), (175, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 107

Candidate Starts for Candle_40:

(Start: 80 @36350 has 3 MA's), (Start: 107 @36392 has 28 MA's), (Start: 121 @36413 has 11 MA's), (Start: 128 @36434 has 2 MA's), (138, 36461), (171, 36560), (172, 36563), (173, 36566), (191, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 96

Candidate Starts for Cappuccino_31:

(Start: 96 @22494 has 21 MA's), (Start: 107 @22503 has 28 MA's), (Start: 111 @22509 has 10 MA's), (140, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Capricorn_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 79

Candidate Starts for Caraxes_58:

(Start: 79 @36944 has 125 MA's), (Start: 121 @36917 has 11 MA's), (163, 36794), (168, 36782),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 91

Candidate Starts for Carcharodon_50:

(11, 34491), (26, 34698), (27, 34731), (54, 34827), (Start: 91 @34905 has 36 MA's), (Start: 119 @34917 has 11 MA's), (Start: 121 @34923 has 11 MA's), (147, 35001), (175, 35067), (179, 35070),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 101

Candidate Starts for Cardigan_134:

(Start: 101 @76224 has 14 MA's), (132, 76284), (146, 76326), (149, 76335), (161, 76371), (175, 76401), (187, 76431),

Gene: Carlyle_62 Start: 39960, Stop: 39694, Start Num: 77

Candidate Starts for Carlyle_62:

(Start: 76 @39963 has 31 MA's), (Start: 77 @39960 has 110 MA's), (Start: 83 @39948 has 4 MA's), (Start: 121 @39924 has 11 MA's), (Start: 137 @39879 has 3 MA's), (142, 39861), (163, 39813), (164, 39810), (194, 39735), (205, 39705),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 107
Candidate Starts for Caron_44:
(41, 27885), (43, 27888), (Start: 107 @27999 has 28 MA's), (132, 28053),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 117
Candidate Starts for CaseJules_68:
(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 94
Candidate Starts for Cassia_34:
(Start: 94 @25274 has 28 MA's), (179, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 119
Candidate Starts for Cassita_54:
(30, 33349), (39, 33376), (40, 33379), (Start: 119 @33514 has 11 MA's), (149, 33607),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 79
Candidate Starts for Catalina_59:
(Start: 79 @38226 has 125 MA's), (Start: 108 @38217 has 3 MA's), (Start: 134 @38160 has 1 MA's),
(146, 38124), (158, 38085), (173, 38058), (180, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 117
Candidate Starts for Catfish_63:
(Start: 117 @40933 has 160 MA's), (Start: 129 @40966 has 1 MA's), (164, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 107
Candidate Starts for Cece_195:
(74, 119280), (81, 119265), (Start: 107 @119232 has 28 MA's), (157, 119118), (170, 119097), (187,
119052),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 89
Candidate Starts for Cen1621_38:
(Start: 89 @25188 has 1 MA's), (Start: 119 @25215 has 11 MA's), (177, 25371), (185, 25395),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 77
Candidate Starts for Chanagan_56:
(Start: 76 @38819 has 31 MA's), (Start: 77 @38816 has 110 MA's), (Start: 83 @38804 has 4 MA's),
(Start: 121 @38774 has 11 MA's), (138, 38723), (142, 38708), (149, 38687), (164, 38657), (175,
38627),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 91
Candidate Starts for Charlie_51:
(6, 33093), (14, 33312), (26, 33450), (27, 33483), (54, 33579), (Start: 91 @33657 has 36 MA's), (Start:
119 @33669 has 11 MA's), (147, 33753), (175, 33819), (179, 33822),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 79
Candidate Starts for Charm_56:
(Start: 79 @38090 has 125 MA's), (Start: 134 @38024 has 1 MA's), (146, 37988), (173, 37922), (180,
37910), (182, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 113
Candidate Starts for Chaser_30:

(Start: 113 @27536 has 202 MA's), (Start: 131 @27581 has 6 MA's), (180, 27695),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 79

Candidate Starts for Che12_59:

(Start: 79 @37385 has 125 MA's), (Start: 121 @37358 has 11 MA's), (133, 37322), (149, 37274), (163, 37235), (168, 37223), (180, 37205),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 117

Candidate Starts for CheetoDust_66:

(Start: 77 @43288 has 110 MA's), (Start: 117 @43333 has 160 MA's), (147, 43423), (188, 43519), (196, 43543),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 114

Candidate Starts for CherryTomatoes_78:

(Start: 114 @28836 has 44 MA's), (Start: 131 @28884 has 6 MA's), (177, 29004), (197, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 91

Candidate Starts for Chewbacca_52:

(11, 34491), (26, 34698), (27, 34731), (54, 34827), (Start: 91 @34905 has 36 MA's), (Start: 119 @34917 has 11 MA's), (Start: 121 @34923 has 11 MA's), (147, 35001), (175, 35067), (179, 35070),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 107

Candidate Starts for Chilliams_107:

(Start: 75 @79857 has 6 MA's), (Start: 107 @79905 has 28 MA's), (145, 79995),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 79

Candidate Starts for ChipMunk_60:

(Start: 79 @40026 has 125 MA's), (Start: 108 @40017 has 3 MA's), (Start: 119 @40005 has 11 MA's), (Start: 121 @39999 has 11 MA's), (163, 39876),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 113

Candidate Starts for ChosenOne_37:

(Start: 113 @32343 has 202 MA's), (Start: 137 @32400 has 3 MA's), (149, 32433), (151, 32439), (173, 32493), (180, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 113

Candidate Starts for ChotaBhai_37:

(Start: 113 @32381 has 202 MA's), (Start: 137 @32438 has 3 MA's), (149, 32471), (151, 32477), (168, 32525), (173, 32531), (180, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 117

Candidate Starts for Chris_69:

(Start: 117 @44665 has 160 MA's), (171, 44797), (188, 44836),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 77

Candidate Starts for Ciao_60:

(Start: 76 @40183 has 31 MA's), (Start: 77 @40180 has 110 MA's), (Start: 83 @40168 has 4 MA's), (Start: 121 @40147 has 11 MA's), (138, 40096), (142, 40081), (149, 40060), (164, 40030), (175, 40000),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 113

Candidate Starts for CicholasNage_30:

(Start: 113 @27692 has 202 MA's), (Start: 131 @27737 has 6 MA's), (175, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 113

Candidate Starts for Cjw1_37:

(Start: 113 @33895 has 202 MA's), (Start: 137 @33952 has 3 MA's), (149, 33985), (151, 33991), (173, 34045), (180, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 131

Candidate Starts for Claus_32:

(Start: 113 @28399 has 202 MA's), (Start: 131 @28444 has 6 MA's), (149, 28495), (155, 28513), (205, 28633), (211, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 113

Candidate Starts for Clautastrophe_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: CliffHanger_37 Start: 24318, Stop: 24548, Start Num: 114

Candidate Starts for CliffHanger_37:

(Start: 114 @24318 has 44 MA's), (133, 24363), (165, 24441),

Gene: Clipper_71 Start: 44521, Stop: 44763, Start Num: 117

Candidate Starts for Clipper_71:

(Start: 117 @44521 has 160 MA's), (147, 44611), (188, 44707), (196, 44731),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 101

Candidate Starts for ClubL_125:

(Start: 101 @70565 has 14 MA's), (Start: 128 @70613 has 2 MA's), (175, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 117

Candidate Starts for Collard_58:

(Start: 117 @40730 has 160 MA's), (166, 40862), (179, 40892), (192, 40925),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 113

Candidate Starts for Command613_38:

(Start: 113 @33402 has 202 MA's), (Start: 137 @33459 has 3 MA's), (149, 33492), (151, 33498), (173, 33552), (180, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 94

Candidate Starts for Community_34:

(19, 26569), (21, 26578), (Start: 94 @26806 has 28 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 77

Candidate Starts for ConceptII_64:

(Start: 76 @42249 has 31 MA's), (Start: 77 @42246 has 110 MA's), (Start: 83 @42234 has 4 MA's), (Start: 121 @42213 has 11 MA's), (138, 42162), (142, 42147), (149, 42126), (164, 42096), (175, 42066),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 79

Candidate Starts for Conquerage_58:

(Start: 79 @38297 has 125 MA's), (Start: 108 @38288 has 3 MA's), (Start: 134 @38231 has 1 MA's), (146, 38195), (158, 38156), (173, 38129), (180, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 114

Candidate Starts for Constella_44:

(Start: 114 @40270 has 44 MA's), (Start: 129 @40309 has 1 MA's), (147, 40363), (149, 40366), (175, 40423), (188, 40459), (205, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 113

Candidate Starts for Contagion_36:

(Start: 113 @32639 has 202 MA's), (Start: 137 @32696 has 3 MA's), (149, 32729), (151, 32735), (168, 32783), (173, 32789), (180, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 113

Candidate Starts for Cookies_37:

(Start: 113 @33004 has 202 MA's), (Start: 137 @33061 has 3 MA's), (149, 33094), (151, 33100), (168, 33148), (173, 33154), (180, 33166),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 77

Candidate Starts for Corvo_63:

(Start: 76 @42114 has 31 MA's), (Start: 77 @42111 has 110 MA's), (Start: 83 @42099 has 4 MA's), (Start: 121 @42078 has 11 MA's), (138, 42027), (142, 42012), (149, 41991), (164, 41961), (175, 41931), (205, 41856),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 104

Candidate Starts for CosmicSans_46:

(Start: 104 @34298 has 43 MA's), (Start: 119 @34280 has 11 MA's), (Start: 121 @34274 has 11 MA's), (159, 34157), (179, 34124), (181, 34118), (201, 34058), (212, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 122

Candidate Starts for Cosmo_53:

(Start: 122 @39361 has 5 MA's), (144, 39442), (164, 39490), (176, 39523), (177, 39526), (179, 39529), (188, 39562), (202, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 105

Candidate Starts for Count_87:

(Start: 105 @57913 has 1 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 121

Candidate Starts for Courthouse_51:

(Start: 121 @40812 has 11 MA's), (Start: 129 @40839 has 1 MA's), (147, 40893), (149, 40896), (175, 40953), (188, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 95

Candidate Starts for Crewmate_37:

(19, 25278), (25, 25314), (Start: 95 @25536 has 6 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 117

Candidate Starts for CrimD_68:

(Start: 117 @44444 has 160 MA's), (147, 44534), (188, 44630),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for Crossroads_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 79

Candidate Starts for Crucio_58:

(Start: 79 @38443 has 125 MA's), (Start: 108 @38434 has 3 MA's), (Start: 119 @38422 has 11 MA's),
(Start: 121 @38416 has 11 MA's), (163, 38293),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 113

Candidate Starts for CrystalP_37:

(Start: 113 @33135 has 202 MA's), (Start: 137 @33192 has 3 MA's), (149, 33225), (151, 33231), (173,
33285), (180, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 104

Candidate Starts for Cucurbita_126:

(48, 72202), (55, 72217), (Start: 76 @72262 has 31 MA's), (Start: 104 @72310 has 43 MA's), (Start:
128 @72355 has 2 MA's), (175, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 101

Candidate Starts for Culver_125:

(Start: 101 @70325 has 14 MA's), (Start: 128 @70373 has 2 MA's), (175, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 117

Candidate Starts for Curiosium_70:

(61, 43060), (Start: 117 @43138 has 160 MA's), (147, 43228), (188, 43324), (196, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 94

Candidate Starts for Cyan_33:

(19, 24494), (Start: 94 @24752 has 28 MA's), (179, 24911),

Gene: Czyszczone1_38 Start: 32880, Stop: 33125, Start Num: 113

Candidate Starts for Czyszczone1_38:

(Start: 113 @32880 has 202 MA's), (Start: 137 @32937 has 3 MA's), (149, 32970), (151, 32976), (173,
33030), (180, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 79

Candidate Starts for D29_56:

(Start: 79 @38269 has 125 MA's), (Start: 108 @38260 has 3 MA's), (146, 38167), (180, 38089), (196,
38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 79

Candidate Starts for D32_59:

(Start: 79 @38269 has 125 MA's), (Start: 108 @38260 has 3 MA's), (146, 38167), (180, 38089), (196,
38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 79

Candidate Starts for DBQu4n_60:

(Start: 79 @38250 has 125 MA's), (Start: 108 @38241 has 3 MA's), (146, 38148), (180, 38070), (196,
38016),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 77

Candidate Starts for DD5_60:

(Start: 77 @41693 has 110 MA's), (Start: 83 @41681 has 4 MA's), (Start: 121 @41651 has 11 MA's),
(138, 41600), (142, 41585), (149, 41564), (163, 41537), (164, 41534), (175, 41504), (205, 41429),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 131

Candidate Starts for DHan_32:

(Start: 113 @28335 has 202 MA's), (Start: 131 @28380 has 6 MA's), (149, 28431), (155, 28449), (205, 28569), (211, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 117

Candidate Starts for DS6A_74:

(28, 48631), (Start: 117 @48826 has 160 MA's), (Start: 131 @48868 has 6 MA's), (142, 48901), (179, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 112

Candidate Starts for Daddyjeff_52:

(Start: 112 @34278 has 4 MA's), (170, 34413),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 117

Candidate Starts for Dadosky_62:

(Start: 117 @41083 has 160 MA's), (142, 41158), (172, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 113

Candidate Starts for Daikon_36:

(Start: 113 @32873 has 202 MA's), (Start: 137 @32930 has 3 MA's), (149, 32963), (151, 32969), (168, 33017), (173, 33023), (180, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 114

Candidate Starts for Dallas_54:

(Start: 114 @43667 has 44 MA's), (138, 43730), (147, 43760), (149, 43763), (179, 43823), (180, 43826), (181, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 79

Candidate Starts for Dalmatian_59:

(Start: 79 @38649 has 125 MA's), (Start: 108 @38640 has 3 MA's), (Start: 119 @38628 has 11 MA's), (Start: 121 @38622 has 11 MA's), (163, 38499), (180, 38469),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Dalmuri_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 131

Candidate Starts for DanBing_31:

(Start: 113 @28239 has 202 MA's), (Start: 131 @28284 has 6 MA's), (149, 28335), (205, 28473), (211, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 113

Candidate Starts for Dardanus_57:

(46, 37051), (Start: 113 @37159 has 202 MA's), (132, 37201), (149, 37252), (150, 37255), (173, 37306), (179, 37315), (186, 37336),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 79

Candidate Starts for Darrell_60:

(Start: 79 @38922 has 125 MA's), (Start: 108 @38913 has 3 MA's), (Start: 134 @38856 has 1 MA's), (146, 38820), (163, 38772), (183, 38730),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 117

Candidate Starts for DarthP_66:

(Start: 117 @43967 has 160 MA's), (147, 44057), (172, 44117),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 79
Candidate Starts for DarthPhader_54:
(Start: 79 @39183 has 125 MA's), (Start: 108 @39174 has 3 MA's), (146, 39081), (163, 39033), (175, 39009), (180, 39003),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 117
Candidate Starts for Dartin_69:
(Start: 117 @44123 has 160 MA's), (147, 44213), (164, 44249), (171, 44267), (196, 44330),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 101
Candidate Starts for DatBoi_82:
(Start: 83 @57123 has 4 MA's), (Start: 85 @57120 has 10 MA's), (Start: 101 @57093 has 14 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 117
Candidate Starts for Deby_67:
(Start: 117 @44105 has 160 MA's), (147, 44195), (188, 44291), (196, 44315),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 103
Candidate Starts for DekHockey33_65:
(7, 38403), (13, 38301), (Start: 103 @37959 has 22 MA's), (180, 37782),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 117
Candidate Starts for Devera_74:
(Start: 117 @45458 has 160 MA's), (147, 45548), (188, 45644), (196, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 77
Candidate Starts for Dexes_62:
(Start: 76 @41899 has 31 MA's), (Start: 77 @41896 has 110 MA's), (Start: 83 @41884 has 4 MA's),
(Start: 121 @41863 has 11 MA's), (138, 41812), (142, 41797), (149, 41776), (164, 41746), (175, 41716), (205, 41641),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 79
Candidate Starts for Dignity_60:
(Start: 79 @38849 has 125 MA's), (Start: 108 @38840 has 3 MA's), (Start: 119 @38828 has 11 MA's),
(Start: 121 @38822 has 11 MA's), (163, 38699),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 96
Candidate Starts for Diminimus_40:
(45, 32650), (Start: 96 @32761 has 21 MA's), (Start: 113 @32779 has 202 MA's), (138, 32842), (172, 32929), (175, 32938), (181, 32947),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 104
Candidate Starts for Dinger_45:
(Start: 104 @34431 has 43 MA's), (Start: 119 @34413 has 11 MA's), (Start: 121 @34407 has 11 MA's), (159, 34290), (179, 34257), (181, 34251), (201, 34191), (212, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 113
Candidate Starts for DinoDaryn_63:
(Start: 113 @39006 has 202 MA's), (132, 39048), (147, 39093), (150, 39102), (173, 39153), (179, 39162), (186, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 131

Candidate Starts for DirkDirk_30:

(Start: 113 @27673 has 202 MA's), (Start: 131 @27718 has 6 MA's), (175, 27826),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 117

Candidate Starts for DismalFunk_69:

(64, 46035), (68, 46041), (Start: 117 @46092 has 160 MA's), (147, 46182), (164, 46218), (179, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 117

Candidate Starts for DismalStressor_69:

(64, 46035), (68, 46041), (Start: 117 @46092 has 160 MA's), (147, 46182), (164, 46218), (179, 46251),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 114

Candidate Starts for DmpstrDiver_53:

(Start: 114 @43660 has 44 MA's), (138, 43723), (147, 43753), (149, 43756), (179, 43816), (180, 43819), (181, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 113

Candidate Starts for DoctorDiddles_37:

(Start: 113 @32297 has 202 MA's), (Start: 137 @32354 has 3 MA's), (149, 32387), (151, 32393), (168, 32441), (173, 32447), (180, 32459),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 117

Candidate Starts for Dole_72:

(Start: 117 @45461 has 160 MA's), (147, 45551), (188, 45647), (196, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 96

Candidate Starts for Donkey_31:

(Start: 96 @22496 has 21 MA's), (Start: 107 @22505 has 28 MA's), (Start: 111 @22511 has 10 MA's), (140, 22574),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 77

Candidate Starts for Doom_60:

(Start: 76 @41670 has 31 MA's), (Start: 77 @41667 has 110 MA's), (Start: 83 @41655 has 4 MA's), (Start: 121 @41625 has 11 MA's), (138, 41574), (142, 41559), (149, 41538), (164, 41508), (175, 41478),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 113

Candidate Starts for Douge_30:

(Start: 113 @27474 has 202 MA's), (Start: 131 @27519 has 6 MA's), (147, 27567), (180, 27633),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 131

Candidate Starts for Douzhi_30:

(Start: 113 @27579 has 202 MA's), (Start: 131 @27624 has 6 MA's), (180, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 114

Candidate Starts for Dove_49:

(Start: 114 @43194 has 44 MA's), (Start: 129 @43233 has 1 MA's), (147, 43287), (149, 43290), (175, 43347), (188, 43383), (205, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 113

Candidate Starts for DrDrey_38:

(Start: 113 @33627 has 202 MA's), (Start: 137 @33684 has 3 MA's), (149, 33717), (151, 33723), (173, 33777), (180, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 85
Candidate Starts for DrFeelGood_58:
(Start: 85 @40034 has 10 MA's), (Start: 119 @40016 has 11 MA's), (Start: 121 @40010 has 11 MA's),
(138, 39959), (142, 39944), (149, 39923), (164, 39893), (175, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 117
Candidate Starts for DrHayes_67:
(Start: 117 @44362 has 160 MA's), (147, 44452), (188, 44548), (196, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 111
Candidate Starts for DrManhattan_32:
(12, 22726), (19, 22840), (25, 22876), (Start: 111 @23095 has 10 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 113
Candidate Starts for DrSeegs_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205,
28656), (211, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 94
Candidate Starts for DrSierra_32:
(19, 23325), (25, 23361), (53, 23499), (Start: 94 @23583 has 28 MA's), (179, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 79
Candidate Starts for DreamTeam1_56:
(Start: 79 @37922 has 125 MA's), (Start: 134 @37856 has 1 MA's), (146, 37820), (173, 37754), (180,
37742), (182, 37733),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 77
Candidate Starts for Dreamboat_63:
(Start: 77 @40328 has 110 MA's), (Start: 83 @40316 has 4 MA's), (Start: 119 @40301 has 11 MA's),
(Start: 121 @40295 has 11 MA's), (138, 40244), (142, 40229), (149, 40208), (164, 40178), (175,
40148), (205, 40073),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 79
Candidate Starts for DudeLittle_57:
(Start: 79 @38415 has 125 MA's), (Start: 108 @38406 has 3 MA's), (Start: 119 @38394 has 11 MA's),
(Start: 121 @38388 has 11 MA's), (163, 38265), (180, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 114
Candidate Starts for Duke13_55:
(Start: 114 @43999 has 44 MA's), (168, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 85
Candidate Starts for Dulcie_62:
(Start: 85 @42668 has 10 MA's), (Start: 119 @42650 has 11 MA's), (Start: 121 @42644 has 11 MA's),
(138, 42593), (142, 42578), (149, 42557), (164, 42527), (175, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 96
Candidate Starts for Dulcita_40:
(45, 32650), (Start: 96 @32761 has 21 MA's), (Start: 113 @32779 has 202 MA's), (138, 32842), (172,
32929), (175, 32938), (181, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 113

Candidate Starts for Dumbo_37:

(Start: 113 @32602 has 202 MA's), (Start: 137 @32659 has 3 MA's), (149, 32692), (151, 32698), (173, 32752), (180, 32764),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 113

Candidate Starts for DuncansLeg_31:

(Start: 113 @28758 has 202 MA's), (Start: 121 @28770 has 11 MA's), (Start: 131 @28803 has 6 MA's), (147, 28851),

Gene: DunneganBoMo_101 Start: 82929, Stop: 83189, Start Num: 107

Candidate Starts for DunneganBoMo_101:

(Start: 107 @82929 has 28 MA's), (187, 83118), (196, 83148), (197, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 91

Candidate Starts for Duplicity_50:

(11, 34500), (26, 34707), (27, 34740), (54, 34836), (Start: 91 @34914 has 36 MA's), (Start: 119 @34926 has 11 MA's), (Start: 121 @34932 has 11 MA's), (147, 35010), (175, 35076), (179, 35079),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 79

Candidate Starts for Duplo_60:

(Start: 79 @38306 has 125 MA's), (Start: 108 @38297 has 3 MA's), (146, 38204), (180, 38126), (196, 38072),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Durfee_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 113

Candidate Starts for Dusk_36:

(Start: 113 @32787 has 202 MA's), (Start: 137 @32844 has 3 MA's), (149, 32877), (151, 32883), (168, 32931), (173, 32937), (180, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 77

Candidate Starts for Dussy_62:

(Start: 76 @41692 has 31 MA's), (Start: 77 @41689 has 110 MA's), (Start: 83 @41677 has 4 MA's), (Start: 121 @41656 has 11 MA's), (138, 41605), (142, 41590), (149, 41569), (164, 41539), (175, 41509),

Gene: Dusty_121 Start: 70537, Stop: 70830, Start Num: 101

Candidate Starts for Dusty_121:

(Start: 101 @70537 has 14 MA's), (Start: 128 @70585 has 2 MA's), (175, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 76

Candidate Starts for Dynamix_64:

(Start: 76 @40678 has 31 MA's), (Start: 77 @40675 has 110 MA's), (Start: 83 @40663 has 4 MA's), (Start: 121 @40642 has 11 MA's), (142, 40576), (149, 40555), (164, 40525), (175, 40495), (205, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 113

Candidate Starts for DyoEdafos_31:

(Start: 113 @27675 has 202 MA's), (Start: 131 @27720 has 6 MA's), (180, 27834),

Gene: EGUunicorn_51 Start: 33605, Stop: 33853, Start Num: 91
Candidate Starts for EGUunicorn_51:
(11, 33191), (26, 33398), (27, 33431), (54, 33527), (Start: 91 @33605 has 36 MA's), (Start: 119 @33617 has 11 MA's), (Start: 121 @33623 has 11 MA's), (147, 33701), (175, 33767), (179, 33770),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 79
Candidate Starts for EagleEye_60:
(47, 38212), (Start: 79 @38143 has 125 MA's), (Start: 104 @38140 has 43 MA's), (Start: 108 @38134 has 3 MA's), (146, 38041), (159, 37999), (163, 37993), (180, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 113
Candidate Starts for Easy2Say_39:
(Start: 113 @34385 has 202 MA's), (Start: 137 @34442 has 3 MA's), (149, 34475), (151, 34481), (173, 34535), (180, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 79
Candidate Starts for Ebony_57:
(Start: 79 @37357 has 125 MA's), (Start: 108 @37348 has 3 MA's), (180, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 79
Candidate Starts for Echild_58:
(Start: 79 @37724 has 125 MA's), (Start: 108 @37715 has 3 MA's), (Start: 119 @37703 has 11 MA's), (Start: 121 @37697 has 11 MA's), (163, 37574),

Gene: EdogawaKiddo_56 Start: 38208, Stop: 38002, Start Num: 134
Candidate Starts for EdogawaKiddo_56:
(Start: 79 @38274 has 125 MA's), (Start: 108 @38265 has 3 MA's), (Start: 134 @38208 has 1 MA's), (146, 38172), (158, 38133), (173, 38106), (180, 38094),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 77
Candidate Starts for Edtherson_61:
(Start: 76 @41664 has 31 MA's), (Start: 77 @41661 has 110 MA's), (Start: 83 @41649 has 4 MA's), (Start: 121 @41619 has 11 MA's), (138, 41568), (142, 41553), (149, 41532), (164, 41502), (175, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 117
Candidate Starts for Edugator_59:
(Start: 117 @42504 has 160 MA's), (142, 42579), (172, 42651),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 100
Candidate Starts for Eevee_51:
(Start: 100 @37090 has 5 MA's), (149, 37189), (151, 37195), (175, 37249), (177, 37252), (180, 37258), (207, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 117
Candidate Starts for Efra2_72:
(61, 44128), (Start: 117 @44206 has 160 MA's), (147, 44296), (188, 44392),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 79
Candidate Starts for Eidsmoe_58:
(Start: 79 @38289 has 125 MA's), (Start: 108 @38280 has 3 MA's), (Start: 134 @38223 has 1 MA's), (146, 38187), (158, 38148), (173, 38121), (180, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 114
Candidate Starts for Ejimix_52:
(Start: 114 @44918 has 44 MA's), (138, 44981), (147, 45011), (149, 45014), (179, 45074), (180, 45077), (181, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 117
Candidate Starts for Ekdilam_63:
(Start: 117 @44192 has 160 MA's), (Start: 121 @44201 has 11 MA's), (147, 44282),

Gene: Elephantoan_57 Start: 37664, Stop: 37392, Start Num: 79
Candidate Starts for Elephantoan_57:
(Start: 79 @37664 has 125 MA's), (Start: 108 @37655 has 3 MA's), (Start: 134 @37598 has 1 MA's), (146, 37562), (158, 37523), (173, 37496), (180, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 111
Candidate Starts for Elezi_34:
(19, 26386), (20, 26395), (Start: 111 @26623 has 10 MA's), (132, 26671), (181, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 113
Candidate Starts for Elite2014_36:
(Start: 113 @32342 has 202 MA's), (Start: 137 @32399 has 3 MA's), (149, 32432), (151, 32438), (173, 32492), (180, 32504),

Gene: Ellewin_99 Start: 82340, Stop: 82600, Start Num: 107
Candidate Starts for Ellewin_99:
(Start: 107 @82340 has 28 MA's), (187, 82529), (196, 82559), (197, 82562),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 117
Candidate Starts for Ellie_62:
(63, 43356), (Start: 117 @43425 has 160 MA's), (Start: 121 @43434 has 11 MA's), (138, 43485), (147, 43515), (188, 43611), (196, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 113
Candidate Starts for Ellson_31:
(Start: 113 @28745 has 202 MA's), (Start: 121 @28757 has 11 MA's), (Start: 131 @28790 has 6 MA's), (147, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 113
Candidate Starts for Elph10_38:
(Start: 113 @32605 has 202 MA's), (Start: 137 @32662 has 3 MA's), (149, 32695), (151, 32701), (173, 32755), (180, 32767),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 117
Candidate Starts for Emerson_68:
(Start: 117 @43939 has 160 MA's), (147, 44029), (188, 44125), (196, 44149),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 106
Candidate Starts for EmiRose_45:
(Start: 106 @36642 has 1 MA's), (154, 36756), (157, 36765), (180, 36816), (181, 36819),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 113
Candidate Starts for Emmina_38:

(Start: 113 @32963 has 202 MA's), (Start: 137 @33020 has 3 MA's), (149, 33053), (151, 33059), (173, 33113), (180, 33125),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 79

Candidate Starts for EmyBug_57:

(Start: 79 @38291 has 125 MA's), (Start: 108 @38282 has 3 MA's), (Start: 134 @38225 has 1 MA's), (146, 38189), (158, 38150), (173, 38123), (180, 38111),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 113

Candidate Starts for Enceladus_30:

(Start: 113 @27674 has 202 MA's), (Start: 131 @27719 has 6 MA's), (175, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 104

Candidate Starts for Engineer_127:

(48, 71862), (55, 71877), (Start: 76 @71922 has 31 MA's), (Start: 104 @71970 has 43 MA's), (Start: 128 @72015 has 2 MA's), (175, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 122

Candidate Starts for EniyanLRS_50:

(Start: 122 @39059 has 5 MA's), (144, 39140), (164, 39188), (176, 39221), (177, 39224), (179, 39227), (188, 39260), (202, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 117

Candidate Starts for Enkosi_57:

(61, 43482), (Start: 117 @43554 has 160 MA's), (152, 43659), (172, 43701), (188, 43737),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 103

Candidate Starts for Epsocamisio_61:

(7, 37646), (10, 37622), (13, 37544), (Start: 103 @37202 has 22 MA's), (180, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 111

Candidate Starts for Eraser_34:

(19, 26377), (20, 26386), (Start: 111 @26614 has 10 MA's), (132, 26662), (181, 26779),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 114

Candidate Starts for EricMillard_52:

(Start: 114 @44419 has 44 MA's), (138, 44482), (147, 44512), (149, 44515), (179, 44575), (180, 44578), (181, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 104

Candidate Starts for Erik_46:

(Start: 104 @34230 has 43 MA's), (Start: 119 @34212 has 11 MA's), (Start: 121 @34206 has 11 MA's), (159, 34089), (179, 34056), (181, 34050), (201, 33990), (212, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 104

Candidate Starts for Espica_46:

(Start: 104 @34231 has 43 MA's), (Start: 119 @34213 has 11 MA's), (Start: 121 @34207 has 11 MA's), (159, 34090), (179, 34057), (181, 34051), (201, 33991), (212, 33943),

Gene: Espresso_59 Start: 41111, Stop: 40833, Start Num: 76

Candidate Starts for Espresso_59:

(Start: 76 @41111 has 31 MA's), (Start: 77 @41108 has 110 MA's), (Start: 83 @41096 has 4 MA's), (Start: 121 @41066 has 11 MA's), (138, 41015), (142, 41000), (149, 40979), (164, 40949), (175,

40919),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 113

Candidate Starts for Estes_45:

(Start: 113 @34058 has 202 MA's), (147, 34151), (170, 34202), (171, 34205), (202, 34274),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 79

Candidate Starts for Et2Brutus_56:

(Start: 79 @37320 has 125 MA's), (Start: 108 @37311 has 3 MA's), (180, 37140),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 77

Candidate Starts for Euphoria_60:

(Start: 76 @40821 has 31 MA's), (Start: 77 @40818 has 110 MA's), (Start: 83 @40806 has 4 MA's), (Start: 121 @40785 has 11 MA's), (138, 40734), (142, 40719), (164, 40668), (194, 40593), (205, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 110

Candidate Starts for Eureka_38:

(72, 33578), (73, 33581), (84, 33608), (Start: 110 @33647 has 3 MA's), (Start: 137 @33707 has 3 MA's), (149, 33740), (151, 33746), (173, 33800), (180, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 79

Candidate Starts for EvilGenius_60:

(Start: 79 @40027 has 125 MA's), (Start: 108 @40018 has 3 MA's), (Start: 119 @40006 has 11 MA's), (Start: 121 @40000 has 11 MA's), (163, 39877),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 108

Candidate Starts for ExplosioNervosa_58:

(Start: 79 @38357 has 125 MA's), (Start: 108 @38348 has 3 MA's), (Start: 134 @38291 has 1 MA's), (146, 38255), (158, 38216), (173, 38189), (180, 38177),

Gene: Eyeball_64 Start: 42166, Stop: 41900, Start Num: 77

Candidate Starts for Eyeball_64:

(Start: 76 @42169 has 31 MA's), (Start: 77 @42166 has 110 MA's), (Start: 83 @42154 has 4 MA's), (Start: 121 @42133 has 11 MA's), (138, 42082), (142, 42067), (149, 42046), (156, 42025), (164, 42016), (175, 41986), (205, 41911),

Gene: FairyPath_37 Start: 33387, Stop: 33575, Start Num: 137

Candidate Starts for FairyPath_37:

(Start: 113 @33330 has 202 MA's), (Start: 137 @33387 has 3 MA's), (149, 33420), (151, 33426), (173, 33480), (180, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for Faith1_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 76

Candidate Starts for Fajezeel_63:

(Start: 76 @40885 has 31 MA's), (Start: 77 @40882 has 110 MA's), (Start: 83 @40870 has 4 MA's), (Start: 121 @40849 has 11 MA's), (138, 40798), (142, 40783), (149, 40762), (164, 40732), (175, 40702), (205, 40627),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 79

Candidate Starts for Fameo_58:

(Start: 79 @38774 has 125 MA's), (Start: 108 @38765 has 3 MA's), (Start: 119 @38753 has 11 MA's),
(Start: 121 @38747 has 11 MA's), (163, 38624), (180, 38594),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 131

Candidate Starts for FarmResident_30:

(Start: 113 @27518 has 202 MA's), (Start: 131 @27563 has 6 MA's), (147, 27611), (180, 27677),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 76

Candidate Starts for Fascinus_56:

(Start: 76 @40671 has 31 MA's), (Start: 77 @40668 has 110 MA's), (Start: 83 @40656 has 4 MA's),
(Start: 121 @40635 has 11 MA's), (138, 40584), (142, 40569), (149, 40548), (164, 40518), (175,
40488),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 79

Candidate Starts for Fayely_58:

(Start: 79 @38258 has 125 MA's), (Start: 108 @38249 has 3 MA's), (Start: 134 @38192 has 1 MA's),
(146, 38156), (158, 38117), (173, 38090), (180, 38078),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 117

Candidate Starts for Fefferhead_64:

(63, 43265), (Start: 117 @43334 has 160 MA's), (Start: 121 @43343 has 11 MA's), (138, 43394), (147,
43424), (188, 43520),

Gene: Fenn_64 Start: 42653, Stop: 42378, Start Num: 77

Candidate Starts for Fenn_64:

(Start: 77 @42653 has 110 MA's), (Start: 83 @42641 has 4 MA's), (Start: 121 @42611 has 11 MA's),
(138, 42560), (142, 42545), (149, 42524), (156, 42503), (164, 42494), (175, 42464), (205, 42389),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 117

Candidate Starts for Feyre_63:

(Start: 117 @44492 has 160 MA's), (142, 44567), (172, 44639), (185, 44663),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 79

Candidate Starts for Fibonacci_57:

(Start: 79 @37326 has 125 MA's), (Start: 108 @37317 has 3 MA's), (180, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 113

Candidate Starts for Filch_38:

(Start: 113 @32893 has 202 MA's), (Start: 137 @32950 has 3 MA's), (149, 32983), (151, 32989), (173,
33043), (180, 33055),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 117

Candidate Starts for Findley_69:

(61, 46023), (Start: 117 @46086 has 160 MA's), (147, 46176), (179, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 113

Candidate Starts for Finemlucis_32:

(Start: 113 @28698 has 202 MA's), (Start: 131 @28743 has 6 MA's), (149, 28794), (181, 28860), (205,
28932), (211, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 113

Candidate Starts for Finnry_31:

(Start: 113 @28788 has 202 MA's), (Start: 121 @28800 has 11 MA's), (Start: 131 @28833 has 6 MA's),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 113

Candidate Starts for FireRed_37:

(Start: 113 @33163 has 202 MA's), (Start: 137 @33220 has 3 MA's), (149, 33253), (151, 33259), (173, 33313), (180, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 79

Candidate Starts for FiringLine_58:

(Start: 79 @38424 has 125 MA's), (Start: 108 @38415 has 3 MA's), (Start: 119 @38403 has 11 MA's), (Start: 121 @38397 has 11 MA's), (163, 38274),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 79

Candidate Starts for Flaverint_58:

(Start: 79 @37784 has 125 MA's), (Start: 108 @37775 has 3 MA's), (180, 37604),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 100

Candidate Starts for Floof_43:

(Start: 100 @27647 has 5 MA's), (Start: 119 @27665 has 11 MA's), (145, 27767), (153, 27785), (167, 27818), (208, 27932),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 113

Candidate Starts for Flypotenuse_35:

(Start: 113 @32731 has 202 MA's), (Start: 137 @32788 has 3 MA's), (149, 32821), (151, 32827), (168, 32875), (173, 32881), (180, 32893),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 107

Candidate Starts for Footloose_59:

(Start: 107 @33811 has 28 MA's), (Start: 121 @33826 has 11 MA's), (142, 33895), (156, 33931), (160, 33940), (179, 33967),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 77

Candidate Starts for Francis47_60:

(Start: 76 @41738 has 31 MA's), (Start: 77 @41735 has 110 MA's), (Start: 83 @41723 has 4 MA's), (Start: 121 @41693 has 11 MA's), (138, 41642), (142, 41627), (149, 41606), (164, 41576), (175, 41546),

Gene: FreakyGoo_40 Start: 32780, Stop: 33040, Start Num: 113

Candidate Starts for FreakyGoo_40:

(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 77

Candidate Starts for Froghopper_60:

(Start: 76 @40242 has 31 MA's), (Start: 77 @40239 has 110 MA's), (Start: 83 @40227 has 4 MA's), (Start: 121 @40197 has 11 MA's), (138, 40146), (142, 40131), (149, 40110), (164, 40080), (175, 40050), (205, 39975),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 91

Candidate Starts for Fulbright_49:

(11, 33580), (26, 33787), (27, 33820), (54, 33916), (Start: 91 @33994 has 36 MA's), (Start: 119 @34006 has 11 MA's), (Start: 121 @34012 has 11 MA's), (147, 34090), (175, 34156), (179, 34159),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 76

Candidate Starts for Fushigi_58:

(Start: 76 @39205 has 31 MA's), (Start: 77 @39202 has 110 MA's), (Start: 83 @39190 has 4 MA's), (Start: 121 @39169 has 11 MA's), (138, 39118), (142, 39103), (149, 39082), (164, 39052), (175, 39022),

Gene: GMA4_22 Start: 21398, Stop: 21685, Start Num: 111

Candidate Starts for GMA4_22:

(Start: 83 @21356 has 4 MA's), (Start: 111 @21398 has 10 MA's), (Start: 121 @21413 has 11 MA's), (133, 21449), (Start: 137 @21458 has 3 MA's), (164, 21545), (191, 21623), (202, 21647), (205, 21659), (210, 21674),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 113

Candidate Starts for Gabriela_32:

(Start: 113 @28684 has 202 MA's), (Start: 131 @28729 has 6 MA's), (149, 28780), (181, 28846), (205, 28918), (211, 28939),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for Gage_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 77

Candidate Starts for GageAP_63:

(Start: 76 @41649 has 31 MA's), (Start: 77 @41646 has 110 MA's), (Start: 83 @41634 has 4 MA's), (Start: 121 @41613 has 11 MA's), (138, 41562), (142, 41547), (149, 41526), (164, 41496), (175, 41466), (205, 41391),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 96

Candidate Starts for Gambol_31:

(Start: 96 @22494 has 21 MA's), (Start: 107 @22503 has 28 MA's), (Start: 111 @22509 has 10 MA's), (140, 22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 77

Candidate Starts for Gandalf20_64:

(Start: 76 @42396 has 31 MA's), (Start: 77 @42393 has 110 MA's), (Start: 83 @42381 has 4 MA's), (Start: 121 @42351 has 11 MA's), (138, 42300), (142, 42285), (149, 42264), (164, 42234), (175, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 117

Candidate Starts for Ganymede_66:

(Start: 117 @43845 has 160 MA's), (147, 43935), (188, 44031), (196, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 113

Candidate Starts for Gardann_32:

(Start: 113 @28424 has 202 MA's), (Start: 131 @28469 has 6 MA's), (149, 28520), (181, 28586), (205, 28658), (211, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 113

Candidate Starts for GardenSalsa_44:

(Start: 113 @33882 has 202 MA's), (170, 34026), (171, 34029), (179, 34044), (202, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 107

Candidate Starts for GardenState_42:

(Start: 107 @27075 has 28 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 113

Candidate Starts for Gator_35:

(Start: 113 @32743 has 202 MA's), (Start: 137 @32800 has 3 MA's), (149, 32833), (151, 32839), (173, 32893), (180, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 101

Candidate Starts for Geeche_123:

(Start: 101 @70760 has 14 MA's), (Start: 128 @70808 has 2 MA's), (175, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 113

Candidate Starts for Gemini_40:

(Start: 113 @33642 has 202 MA's), (Start: 137 @33699 has 3 MA's), (149, 33732), (151, 33738), (173, 33792), (180, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 113

Candidate Starts for GenevaB15_44:

(Start: 113 @33930 has 202 MA's), (147, 34023), (170, 34074), (171, 34077), (179, 34092), (202, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 117

Candidate Starts for Gengar_60:

(Start: 117 @42478 has 160 MA's), (139, 42541),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 79

Candidate Starts for Georgie2_59:

(Start: 79 @38469 has 125 MA's), (Start: 108 @38460 has 3 MA's), (Start: 119 @38448 has 11 MA's), (Start: 121 @38442 has 11 MA's),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 117

Candidate Starts for Geraldini_69:

(Start: 117 @44501 has 160 MA's), (147, 44591), (188, 44687), (196, 44711),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 91

Candidate Starts for Gex_50:

(11, 34507), (26, 34714), (27, 34747), (54, 34843), (Start: 91 @34921 has 36 MA's), (Start: 119 @34933 has 11 MA's), (Start: 121 @34939 has 11 MA's), (147, 35017), (175, 35083), (179, 35086),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 79

Candidate Starts for Gilberta_58:

(Start: 79 @37777 has 125 MA's), (Start: 108 @37768 has 3 MA's), (180, 37597),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 96

Candidate Starts for Glaske16_40:

(45, 32650), (Start: 96 @32761 has 21 MA's), (Start: 113 @32779 has 202 MA's), (138, 32842), (172, 32929), (175, 32938), (181, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 113

Candidate Starts for Glexan_35:

(Start: 113 @32731 has 202 MA's), (Start: 137 @32788 has 3 MA's), (149, 32821), (151, 32827), (168, 32875), (173, 32881), (180, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 113

Candidate Starts for Goib_64:

(Start: 113 @40122 has 202 MA's), (132, 40164), (147, 40209), (150, 40218), (173, 40269), (179, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 110

Candidate Starts for Goku_38:

(72, 33307), (73, 33310), (84, 33337), (Start: 110 @33376 has 3 MA's), (Start: 137 @33436 has 3 MA's), (149, 33469), (151, 33475), (173, 33529), (180, 33541),

Gene: GoldenEssence_97 Start: 80932, Stop: 81180, Start Num: 107

Candidate Starts for GoldenEssence_97:

(Start: 107 @80932 has 28 MA's), (Start: 111 @80938 has 10 MA's), (Start: 121 @80944 has 11 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for GoldenSpark_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 113

Candidate Starts for Goldilocks_38:

(Start: 113 @32545 has 202 MA's), (Start: 137 @32602 has 3 MA's), (149, 32635), (151, 32641), (173, 32695), (180, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 104

Candidate Starts for Gollum_46:

(Start: 104 @34296 has 43 MA's), (Start: 119 @34278 has 11 MA's), (Start: 121 @34272 has 11 MA's), (159, 34155), (179, 34122), (181, 34116), (201, 34056), (212, 34008),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 77

Candidate Starts for Gompeii16_61:

(Start: 76 @42813 has 31 MA's), (Start: 77 @42810 has 110 MA's), (Start: 83 @42798 has 4 MA's), (Start: 121 @42777 has 11 MA's), (138, 42726), (142, 42711), (149, 42690), (164, 42660), (175, 42630),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 129

Candidate Starts for Gonephishing_53:

(Start: 121 @42090 has 11 MA's), (Start: 129 @42117 has 1 MA's), (147, 42171), (149, 42174), (175, 42231), (188, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for GooberAzure_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 77

Candidate Starts for Graduation_66:

(Start: 76 @42503 has 31 MA's), (Start: 77 @42500 has 110 MA's), (Start: 83 @42488 has 4 MA's), (Start: 121 @42467 has 11 MA's), (138, 42416), (142, 42401), (149, 42380), (164, 42350), (175, 42320), (205, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 77

Candidate Starts for GrecoEtereo_61:

(Start: 76 @40291 has 31 MA's), (Start: 77 @40288 has 110 MA's), (Start: 83 @40276 has 4 MA's), (Start: 121 @40255 has 11 MA's), (138, 40204), (142, 40189), (149, 40168), (164, 40138), (175, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 114

Candidate Starts for Greely_81:

(Start: 114 @31000 has 44 MA's), (132, 31045), (158, 31126),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 76

Candidate Starts for Greg_63:

(Start: 76 @40885 has 31 MA's), (Start: 77 @40882 has 110 MA's), (Start: 83 @40870 has 4 MA's), (Start: 121 @40849 has 11 MA's), (138, 40798), (142, 40783), (149, 40762), (164, 40732), (175, 40702), (205, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 107

Candidate Starts for Gretchen_42:

(Start: 107 @28431 has 28 MA's), (132, 28485), (185, 28611), (189, 28623), (193, 28635),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 117

Candidate Starts for Gspu1_55:

(Start: 117 @37586 has 160 MA's), (132, 37628), (146, 37670), (175, 37739), (182, 37748), (202, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 117

Candidate Starts for Guanica15_71:

(61, 43866), (Start: 117 @43944 has 160 MA's), (188, 44130),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 117

Candidate Starts for Guillsminger_61:

(Start: 117 @42432 has 160 MA's), (142, 42507), (172, 42579),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 113

Candidate Starts for GuuelaD_32:

(Start: 113 @28456 has 202 MA's), (Start: 131 @28501 has 6 MA's), (149, 28552), (181, 28618), (205, 28690), (211, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 83

Candidate Starts for Gwendoluna_65:

(Start: 75 @43044 has 6 MA's), (Start: 83 @43032 has 4 MA's), (Start: 121 @43011 has 11 MA's), (138, 42960), (142, 42945), (149, 42924), (156, 42903), (164, 42894), (175, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 83

Candidate Starts for Gyzlar_57:

(Start: 75 @38976 has 6 MA's), (Start: 83 @38964 has 4 MA's), (Start: 121 @38943 has 11 MA's), (138, 38892), (142, 38877), (149, 38856), (164, 38826), (175, 38796), (205, 38721),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 131

Candidate Starts for Hafay_32:

(Start: 113 @28455 has 202 MA's), (Start: 131 @28500 has 6 MA's), (149, 28551), (181, 28617), (205, 28689), (211, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 113

Candidate Starts for Halena_30:

(Start: 113 @27701 has 202 MA's), (Start: 131 @27746 has 6 MA's), (175, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 114

Candidate Starts for Halley_52:

(Start: 114 @44132 has 44 MA's), (138, 44195), (147, 44225), (149, 44228), (179, 44288), (180, 44291), (181, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 96

Candidate Starts for Halsey_31:

(Start: 96 @22590 has 21 MA's), (Start: 111 @22605 has 10 MA's), (140, 22668), (143, 22686), (189, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 77

Candidate Starts for Hami1_57:

(Start: 76 @36948 has 31 MA's), (Start: 77 @36945 has 110 MA's), (Start: 83 @36933 has 4 MA's), (Start: 121 @36912 has 11 MA's), (138, 36861), (142, 36846), (149, 36825), (164, 36795), (175, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 117

Candidate Starts for Hammy_66:

(Start: 117 @43955 has 160 MA's), (147, 44045), (172, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 113

Candidate Starts for HanKaySha_38:

(Start: 113 @32877 has 202 MA's), (Start: 137 @32934 has 3 MA's), (149, 32967), (151, 32973), (173, 33027), (180, 33039),

Gene: Hanako_55 Start: 36173, Stop: 36421, Start Num: 91

Candidate Starts for Hanako_55:

(Start: 91 @36173 has 36 MA's), (Start: 119 @36185 has 11 MA's), (175, 36335), (179, 36338), (205, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 114

Candidate Starts for Hannaconda_48:

(Start: 114 @38620 has 44 MA's), (168, 38752),

Gene: Hanray_56 Start: 38212, Stop: 38006, Start Num: 134

Candidate Starts for Hanray_56:

(Start: 79 @38278 has 125 MA's), (Start: 108 @38269 has 3 MA's), (Start: 134 @38212 has 1 MA's), (146, 38176), (158, 38137), (173, 38110), (180, 38098),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 113

Candidate Starts for Harella_36:

(Start: 113 @33247 has 202 MA's), (Start: 137 @33304 has 3 MA's), (149, 33337), (151, 33343), (168, 33391), (173, 33397), (180, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 104

Candidate Starts for Harlequin_45:

(Start: 104 @34082 has 43 MA's), (Start: 119 @34064 has 11 MA's), (Start: 121 @34058 has 11 MA's), (159, 33941), (179, 33908), (181, 33902), (201, 33842), (212, 33794),

Gene: HarryOW_60 Start: 40966, Stop: 40688, Start Num: 76

Candidate Starts for HarryOW_60:

(Start: 76 @40966 has 31 MA's), (Start: 77 @40963 has 110 MA's), (Start: 83 @40951 has 4 MA's), (Start: 121 @40921 has 11 MA's), (138, 40870), (142, 40855), (149, 40834), (164, 40804), (175, 40774),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 117

Candidate Starts for HedwigODU_66:

(Start: 117 @43467 has 160 MA's), (147, 43557), (188, 43653), (196, 43677),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 79

Candidate Starts for Heffalump_57:

(Start: 79 @39242 has 125 MA's), (Start: 108 @39233 has 3 MA's), (Start: 119 @39221 has 11 MA's), (Start: 121 @39215 has 11 MA's), (163, 39092), (180, 39062),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 117

Candidate Starts for Heftyboy_61:

(Start: 117 @42799 has 160 MA's), (142, 42874), (172, 42946), (185, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 113

Candidate Starts for Henry_38:

(Start: 113 @33135 has 202 MA's), (Start: 137 @33192 has 3 MA's), (149, 33225), (151, 33231), (168, 33279), (173, 33285), (180, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 79

Candidate Starts for Herbertwm_56:

(22, 38407), (Start: 79 @38206 has 125 MA's), (Start: 108 @38197 has 3 MA's), (Start: 119 @38185 has 11 MA's), (132, 38146), (133, 38143), (147, 38101), (149, 38095), (163, 38056), (180, 38026),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 77

Candidate Starts for Hermia_60:

(Start: 76 @40964 has 31 MA's), (Start: 77 @40961 has 110 MA's), (Start: 83 @40949 has 4 MA's), (Start: 121 @40928 has 11 MA's), (138, 40877), (142, 40862), (149, 40841), (164, 40811), (175, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 113

Candidate Starts for Highbury_38:

(Start: 113 @32793 has 202 MA's), (Start: 137 @32850 has 3 MA's), (149, 32883), (151, 32889), (173, 32943), (180, 32955),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 97

Candidate Starts for Hirko_38:

(Start: 87 @32917 has 1 MA's), (Start: 97 @32932 has 1 MA's), (149, 33052), (179, 33100), (210, 33196),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 104

Candidate Starts for Hiro_46:

(Start: 104 @34558 has 43 MA's), (Start: 119 @34540 has 11 MA's), (Start: 121 @34534 has 11 MA's), (138, 34486), (159, 34417), (179, 34384), (181, 34378), (201, 34318), (212, 34270),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 114

Candidate Starts for HokkenD_45:

(Start: 114 @42401 has 44 MA's), (138, 42464), (147, 42494), (149, 42497), (179, 42557), (180, 42560), (181, 42563),

Gene: Holec_57 Start: 38228, Stop: 38022, Start Num: 134

Candidate Starts for Holec_57:

(Start: 79 @38294 has 125 MA's), (Start: 108 @38285 has 3 MA's), (Start: 134 @38228 has 1 MA's), (146, 38192), (158, 38153), (173, 38126), (180, 38114),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 113

Candidate Starts for Holt_38:

(Start: 113 @32412 has 202 MA's), (Start: 137 @32469 has 3 MA's), (149, 32502), (151, 32508), (168, 32556), (173, 32562), (180, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 77

Candidate Starts for Homines_54:

(Start: 76 @37294 has 31 MA's), (Start: 77 @37291 has 110 MA's), (Start: 83 @37279 has 4 MA's), (Start: 121 @37258 has 11 MA's), (138, 37207), (142, 37192), (149, 37171), (164, 37141), (175, 37111), (205, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Homura_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 101

Candidate Starts for Honk_39:

(Start: 101 @24394 has 14 MA's), (126, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for Hoonter_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 77

Candidate Starts for Hope4ever_63:

(Start: 76 @41282 has 31 MA's), (Start: 77 @41279 has 110 MA's), (Start: 83 @41267 has 4 MA's), (Start: 121 @41237 has 11 MA's), (138, 41186), (142, 41171), (149, 41150), (164, 41120), (175, 41090), (205, 41015),

Gene: Hokey_39 Start: 33412, Stop: 33657, Start Num: 113

Candidate Starts for Hokey_39:

(Start: 113 @33412 has 202 MA's), (Start: 137 @33469 has 3 MA's), (149, 33502), (151, 33508), (173, 33562), (180, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 79

Candidate Starts for HortumSL17_58:

(Start: 79 @38225 has 125 MA's), (Start: 108 @38216 has 3 MA's), (Start: 134 @38159 has 1 MA's), (146, 38123), (158, 38084), (173, 38057), (180, 38045),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 113

Candidate Starts for HufflyPuff_36:

(Start: 113 @33119 has 202 MA's), (Start: 137 @33176 has 3 MA's), (149, 33209), (151, 33215), (173, 33269), (180, 33281),

Gene: Huffu_63 Start: 39006, Stop: 39230, Start Num: 113

Candidate Starts for Huffu_63:

(Start: 113 @39006 has 202 MA's), (132, 39048), (147, 39093), (150, 39102), (173, 39153), (179, 39162), (186, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 114

Candidate Starts for Hughesyang_50:

(Start: 114 @44061 has 44 MA's), (138, 44124), (147, 44154), (149, 44157), (179, 44217), (180, 44220), (181, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 113

Candidate Starts for Hurricane_68:

(Start: 113 @44101 has 202 MA's), (Start: 128 @44134 has 2 MA's), (147, 44188), (172, 44248), (179, 44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 79

Candidate Starts for Hutc2_57:

(Start: 79 @37326 has 125 MA's), (Start: 108 @37317 has 3 MA's), (180, 37146),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Hyperbowlee_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 107

Candidate Starts for IAmGroot_42:

(Start: 107 @27740 has 28 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 137

Candidate Starts for IHOP_37:

(Start: 113 @33312 has 202 MA's), (Start: 137 @33369 has 3 MA's), (149, 33402), (151, 33408), (173, 33462), (180, 33474),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 77

Candidate Starts for ILeeKay_64:

(Start: 76 @41173 has 31 MA's), (Start: 77 @41170 has 110 MA's), (Start: 83 @41158 has 4 MA's), (138, 41077), (142, 41062), (149, 41041), (164, 41011), (175, 40981),

Gene: IPhone7_39 Start: 32762, Stop: 33040, Start Num: 96

Candidate Starts for IPhone7_39:

(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 113

Candidate Starts for Icee_36:

(Start: 113 @32793 has 202 MA's), (Start: 137 @32850 has 3 MA's), (149, 32883), (151, 32889), (173, 32943), (180, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 77

Candidate Starts for Ichabod_66:

(Start: 76 @42395 has 31 MA's), (Start: 77 @42392 has 110 MA's), (Start: 83 @42380 has 4 MA's), (Start: 121 @42359 has 11 MA's), (138, 42308), (142, 42293), (149, 42272), (164, 42242), (175, 42212), (205, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 117
Candidate Starts for Illumine_72:
(Start: 117 @45460 has 160 MA's), (147, 45550), (188, 45646), (196, 45670),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 113
Candidate Starts for Inca_36:
(Start: 113 @31814 has 202 MA's), (Start: 137 @31871 has 3 MA's), (149, 31904), (151, 31910), (173, 31964), (180, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 109
Candidate Starts for Indlulamithi_37:
(Start: 109 @32452 has 1 MA's), (Start: 134 @32506 has 1 MA's), (169, 32593), (199, 32677), (200, 32680),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 117
Candidate Starts for Inky_66:
(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 79
Candidate Starts for Insomnia_58:
(Start: 79 @37837 has 125 MA's), (Start: 108 @37828 has 3 MA's), (180, 37657),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 117
Candidate Starts for InvictusManeo_58:
(Start: 117 @40773 has 160 MA's), (166, 40905), (179, 40935), (192, 40968),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 77
Candidate Starts for Inyanga_57:
(Start: 76 @41029 has 31 MA's), (Start: 77 @41026 has 110 MA's), (Start: 83 @41014 has 4 MA's), (Start: 121 @40993 has 11 MA's), (138, 40942), (142, 40927), (149, 40906), (164, 40876), (175, 40846), (205, 40771),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 94
Candidate Starts for Iter_34:
(Start: 94 @24797 has 28 MA's), (179, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 113
Candidate Starts for Itos_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 91
Candidate Starts for IttyBittyPiggy_33:
(19, 24598), (25, 24634), (Start: 91 @24853 has 36 MA's),

Gene: Izel_39 Start: 32779, Stop: 33039, Start Num: 113
Candidate Starts for Izel_39:
(45, 32650), (Start: 96 @32761 has 21 MA's), (Start: 113 @32779 has 202 MA's), (138, 32842), (172, 32929), (175, 32938), (181, 32947),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 117
Candidate Starts for JAWS_67:
(Start: 117 @43898 has 160 MA's), (147, 43988), (188, 44084), (196, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 77
Candidate Starts for JC27_65:
(Start: 77 @41732 has 110 MA's), (Start: 83 @41720 has 4 MA's), (Start: 119 @41705 has 11 MA's),
(Start: 121 @41699 has 11 MA's), (138, 41648), (142, 41633), (149, 41612), (164, 41582), (175,
41552),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 103
Candidate Starts for JSwag_63:
(7, 37835), (10, 37811), (13, 37733), (Start: 103 @37391 has 22 MA's), (180, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 79
Candidate Starts for Jabith_58:
(Start: 79 @37838 has 125 MA's), (Start: 108 @37829 has 3 MA's), (180, 37658),

Gene: JackSparrow_64 Start: 41111, Stop: 40914, Start Num: 130
Candidate Starts for JackSparrow_64:
(127, 41114), (Start: 130 @41111 has 1 MA's), (135, 41099), (164, 41030), (175, 41000),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 91
Candidate Starts for Jamie19_49:
(Start: 91 @34464 has 36 MA's), (Start: 119 @34476 has 11 MA's), (175, 34626), (179, 34629), (205,
34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 94
Candidate Starts for Janeemi_35:
(Start: 94 @26823 has 28 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 117
Candidate Starts for Jarvi_66:
(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 107
Candidate Starts for JasmineDragon_39:
(Start: 107 @26463 has 28 MA's), (179, 26655),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 77
Candidate Starts for Jasper_62:
(Start: 77 @40214 has 110 MA's), (Start: 83 @40202 has 4 MA's), (Start: 119 @40187 has 11 MA's),
(Start: 121 @40181 has 11 MA's), (138, 40130), (142, 40115), (149, 40094), (164, 40064), (175,
40034), (205, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 117
Candidate Starts for Jayhawk_68:
(Start: 117 @43965 has 160 MA's), (147, 44055), (188, 44151), (196, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 113
Candidate Starts for JeTaime_39:

(Start: 113 @33936 has 202 MA's), (Start: 137 @33993 has 3 MA's), (149, 34026), (151, 34032), (173, 34086), (180, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Jeckyll_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 79

Candidate Starts for Jerm_60:

(Start: 79 @38841 has 125 MA's), (Start: 108 @38832 has 3 MA's), (Start: 119 @38820 has 11 MA's), (Start: 121 @38814 has 11 MA's), (163, 38691),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 77

Candidate Starts for Jerm2_64:

(Start: 76 @42539 has 31 MA's), (Start: 77 @42536 has 110 MA's), (Start: 83 @42524 has 4 MA's), (Start: 121 @42503 has 11 MA's), (138, 42452), (142, 42437), (149, 42416), (164, 42386), (175, 42356), (205, 42281),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 104

Candidate Starts for Jester_45:

(Start: 104 @34013 has 43 MA's), (Start: 119 @33995 has 11 MA's), (Start: 121 @33989 has 11 MA's), (159, 33872), (179, 33839), (181, 33833), (201, 33773), (212, 33725),

Gene: Jiawan_56 Start: 38310, Stop: 38038, Start Num: 79

Candidate Starts for Jiawan_56:

(Start: 79 @38310 has 125 MA's), (Start: 108 @38301 has 3 MA's), (Start: 134 @38244 has 1 MA's), (146, 38208), (158, 38169), (173, 38142), (180, 38130),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 131

Candidate Starts for Jobypre_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 113

Candidate Starts for JoeDirt_30:

(Start: 113 @27672 has 202 MA's), (Start: 131 @27717 has 6 MA's), (175, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 94

Candidate Starts for Joemato_33:

(19, 24497), (Start: 94 @24755 has 28 MA's), (179, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 94

Candidate Starts for JohnDoe_33:

(19, 24488), (Start: 94 @24746 has 28 MA's), (179, 24929),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 101

Candidate Starts for JonJames_133:

(Start: 101 @77174 has 14 MA's), (132, 77234), (146, 77276), (149, 77285), (161, 77321), (175, 77351),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 77

Candidate Starts for Jorgensen_65:

(Start: 76 @41387 has 31 MA's), (Start: 77 @41384 has 110 MA's), (Start: 83 @41372 has 4 MA's), (Start: 121 @41342 has 11 MA's), (138, 41291), (142, 41276), (149, 41255), (164, 41225), (175, 41195), (205, 41120),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 79

Candidate Starts for Joselito_58:

(Start: 79 @37786 has 125 MA's), (Start: 108 @37777 has 3 MA's), (180, 37606),

Gene: Journey_52 Start: 34954, Stop: 35292, Start Num: 88

Candidate Starts for Journey_52:

(57, 34888), (Start: 88 @34954 has 2 MA's), (Start: 119 @34966 has 11 MA's), (Start: 121 @34972 has 11 MA's), (143, 35038), (166, 35083), (179, 35113), (213, 35248), (214, 35275), (215, 35284),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 79

Candidate Starts for Journey13_52:

(Start: 79 @36811 has 125 MA's), (Start: 108 @36802 has 3 MA's), (Start: 121 @36784 has 11 MA's), (149, 36700), (163, 36661), (180, 36631),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 117

Candidate Starts for Joy99_66:

(Start: 117 @43551 has 160 MA's), (147, 43641), (188, 43737), (196, 43761),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 100

Candidate Starts for JoyLin_51:

(Start: 100 @37210 has 5 MA's), (149, 37309), (151, 37315), (175, 37369), (177, 37372), (180, 37378), (207, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 79

Candidate Starts for Jsquared_56:

(Start: 79 @37405 has 125 MA's), (Start: 119 @37384 has 11 MA's), (Start: 121 @37378 has 11 MA's), (163, 37255), (168, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 111

Candidate Starts for Jstan_36:

(19, 26371), (20, 26380), (Start: 111 @26608 has 10 MA's), (132, 26656), (181, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 113

Candidate Starts for Jubie_31:

(Start: 113 @28785 has 202 MA's), (Start: 121 @28797 has 11 MA's), (Start: 131 @28830 has 6 MA's),

Gene: Juicebox_39 Start: 32245, Stop: 32553, Start Num: 80

Candidate Starts for Juicebox_39:

(Start: 80 @32245 has 3 MA's), (92, 32269), (102, 32281), (120, 32302), (Start: 121 @32305 has 11 MA's), (Start: 137 @32350 has 3 MA's), (142, 32368), (154, 32404), (159, 32422), (169, 32443), (170, 32446), (173, 32455), (195, 32518),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 114

Candidate Starts for JuicyJay_54:

(Start: 114 @45887 has 44 MA's), (138, 45950), (147, 45980), (149, 45983), (179, 46043), (180, 46046), (181, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 77

Candidate Starts for JuliaChild_63:

(Start: 76 @41616 has 31 MA's), (Start: 77 @41613 has 110 MA's), (Start: 83 @41601 has 4 MA's), (Start: 121 @41571 has 11 MA's), (138, 41520), (142, 41505), (149, 41484), (164, 41454), (175, 41424),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 94

Candidate Starts for JuneStar_33:

(Start: 94 @26763 has 28 MA's), (179, 26922),

Gene: KBG_63 Start: 43145, Stop: 42876, Start Num: 76

Candidate Starts for KBG_63:

(Start: 76 @43145 has 31 MA's), (Start: 77 @43142 has 110 MA's), (Start: 83 @43130 has 4 MA's), (Start: 121 @43106 has 11 MA's), (Start: 137 @43061 has 3 MA's), (142, 43043), (164, 42992), (205, 42887),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 76

Candidate Starts for KSSJEB_62:

(Start: 76 @40592 has 31 MA's), (Start: 77 @40589 has 110 MA's), (Start: 83 @40577 has 4 MA's), (Start: 121 @40556 has 11 MA's), (138, 40505), (142, 40490), (149, 40469), (164, 40439), (175, 40409),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 107

Candidate Starts for KSunshine22_102:

(Start: 107 @83941 has 28 MA's), (196, 84160), (197, 84163),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 131

Candidate Starts for Kahlid_32:

(Start: 113 @28427 has 202 MA's), (Start: 131 @28472 has 6 MA's), (149, 28523), (181, 28589), (205, 28661), (211, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 114

Candidate Starts for Kalah2_52:

(Start: 114 @44487 has 44 MA's), (138, 44550), (147, 44580), (149, 44583), (179, 44643), (180, 44646), (181, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 96

Candidate Starts for Kalimba_31:

(Start: 96 @22493 has 21 MA's), (Start: 107 @22502 has 28 MA's), (Start: 111 @22508 has 10 MA's), (140, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 77

Candidate Starts for Kanely_63:

(Start: 76 @41180 has 31 MA's), (Start: 77 @41177 has 110 MA's), (Start: 83 @41165 has 4 MA's), (138, 41084), (142, 41069), (149, 41048), (164, 41018), (175, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 113

Candidate Starts for Kanye_39:

(Start: 113 @34121 has 202 MA's), (Start: 137 @34178 has 3 MA's), (149, 34211), (151, 34217), (173, 34271), (180, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 114

Candidate Starts for KashFlow_45:

(Start: 114 @38241 has 44 MA's), (168, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 103
Candidate Starts for KatherineG_64:
(Start: 103 @37864 has 22 MA's), (180, 37687),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 94
Candidate Starts for Kaylissa_33:
(Start: 94 @24719 has 28 MA's), (179, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 91
Candidate Starts for KeAlii_33:
(24, 24508), (Start: 91 @24733 has 36 MA's),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 76
Candidate Starts for Kenmech_65:
(Start: 76 @42818 has 31 MA's), (Start: 77 @42815 has 110 MA's), (Start: 83 @42803 has 4 MA's),
(Start: 121 @42782 has 11 MA's), (138, 42731), (142, 42716), (149, 42695), (164, 42665), (175,
42635),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 79
Candidate Starts for Kerberos_60:
(Start: 79 @38268 has 125 MA's), (Start: 108 @38259 has 3 MA's), (146, 38166), (180, 38088), (196,
38034),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 91
Candidate Starts for Kevin1_52:
(27, 34775), (54, 34871), (Start: 91 @34949 has 36 MA's), (Start: 119 @34961 has 11 MA's), (147,
35045), (175, 35111), (179, 35114),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 79
Candidate Starts for Keziacharles14_58:
(Start: 79 @39366 has 125 MA's), (Start: 108 @39357 has 3 MA's), (Start: 134 @39300 has 1 MA's),
(146, 39264), (159, 39222),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 114
Candidate Starts for Khuang_61:
(69, 36041), (Start: 114 @36119 has 44 MA's), (132, 36164), (148, 36221), (149, 36224), (174, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 117
Candidate Starts for KiSi_71:
(Start: 117 @44647 has 160 MA's), (156, 44764), (172, 44782),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 109
Candidate Starts for Kikiko_7:
(Start: 109 @5275 has 1 MA's), (132, 5227), (143, 5185), (173, 5101),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 113
Candidate Starts for Kimchi_39:
(Start: 113 @33128 has 202 MA's), (Start: 137 @33185 has 3 MA's), (149, 33218), (151, 33224), (173,
33278), (180, 33290),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 79
Candidate Starts for KingCyrus_60:

(Start: 79 @40022 has 125 MA's), (Start: 108 @40013 has 3 MA's), (Start: 119 @40001 has 11 MA's), (Start: 121 @39995 has 11 MA's), (163, 39872),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 113

Candidate Starts for Kingsolomon_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 131

Candidate Starts for KirDoubleO7_29:

(Start: 113 @28767 has 202 MA's), (Start: 121 @28779 has 11 MA's), (Start: 131 @28812 has 6 MA's), (147, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 114

Candidate Starts for Klein_52:

(Start: 114 @43699 has 44 MA's), (138, 43762), (147, 43792), (149, 43795), (179, 43855), (180, 43858), (181, 43861),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 79

Candidate Starts for Koduck_59:

(9, 38146), (17, 37963), (22, 37924), (Start: 79 @37723 has 125 MA's), (Start: 101 @37684 has 14 MA's), (Start: 121 @37657 has 11 MA's), (163, 37534), (168, 37522),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 113

Candidate Starts for Kostya_38:

(Start: 113 @33136 has 202 MA's), (Start: 137 @33193 has 3 MA's), (149, 33226), (151, 33232), (173, 33286), (180, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 117

Candidate Starts for Kratio_58:

(Start: 117 @40509 has 160 MA's), (166, 40641), (179, 40671), (192, 40704),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 104

Candidate Starts for Krishelle_46:

(Start: 104 @34658 has 43 MA's), (Start: 119 @34640 has 11 MA's), (Start: 121 @34634 has 11 MA's), (159, 34517), (179, 34484), (181, 34478), (201, 34418), (212, 34370),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 113

Candidate Starts for Kropertea_30:

(Start: 113 @27482 has 202 MA's), (Start: 131 @27527 has 6 MA's), (180, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 113

Candidate Starts for Krypton555_31:

(86, 28643), (Start: 113 @28682 has 202 MA's), (Start: 121 @28694 has 11 MA's), (Start: 131 @28727 has 6 MA's), (147, 28775),

Gene: Kudetre_114 Start: 63016, Stop: 63252, Start Num: 119

Candidate Starts for Kudetre_114:

(Start: 119 @63016 has 11 MA's), (124, 63031), (Start: 131 @63061 has 6 MA's), (147, 63109), (164, 63145), (189, 63220),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 103

Candidate Starts for Kumao_40:

(Start: 103 @35332 has 22 MA's), (Start: 113 @35341 has 202 MA's), (133, 35392), (149, 35440), (164, 35470), (168, 35479), (175, 35500), (179, 35503), (180, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 111

Candidate Starts for Kumotta_57:

(Start: 111 @33061 has 10 MA's), (132, 33109), (170, 33223),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 85

Candidate Starts for KyMonks1A_65:

(Start: 85 @41158 has 10 MA's), (Start: 119 @41140 has 11 MA's), (Start: 121 @41134 has 11 MA's), (138, 41083), (142, 41068), (149, 41047), (164, 41017), (175, 40987), (205, 40912),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 79

Candidate Starts for L5_56:

(9, 38233), (17, 38050), (22, 38011), (Start: 79 @37810 has 125 MA's), (Start: 101 @37771 has 14 MA's), (Start: 121 @37744 has 11 MA's), (163, 37621), (168, 37609),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 76

Candidate Starts for Lamina13_66:

(Start: 76 @42549 has 31 MA's), (Start: 77 @42546 has 110 MA's), (Start: 83 @42534 has 4 MA's), (Start: 121 @42513 has 11 MA's), (138, 42462), (142, 42447), (149, 42426), (164, 42396), (175, 42366), (205, 42291),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 79

Candidate Starts for Larenn_57:

(Start: 79 @38431 has 125 MA's), (Start: 121 @38404 has 11 MA's), (133, 38368), (147, 38326), (163, 38281), (180, 38251), (182, 38242),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 117

Candidate Starts for Larva_61:

(Start: 117 @41955 has 160 MA's), (142, 42030), (172, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 117

Candidate Starts for LastHope_71:

(Start: 117 @43062 has 160 MA's), (147, 43152), (188, 43248), (196, 43272),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 103

Candidate Starts for LastResort_62:

(7, 37887), (10, 37863), (13, 37785), (Start: 103 @37443 has 22 MA's), (180, 37266),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 117

Candidate Starts for LaterM_67:

(Start: 117 @44313 has 160 MA's), (147, 44403), (188, 44499), (196, 44523),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 113

Candidate Starts for LeBron_30:

(Start: 113 @27716 has 202 MA's), (Start: 131 @27761 has 6 MA's), (175, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 117

Candidate Starts for LeMond_70:

(Start: 117 @44281 has 160 MA's), (156, 44398), (172, 44416), (188, 44452),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 119

Candidate Starts for LeeroyJenkins_54:
(Start: 119 @34043 has 11 MA's), (138, 34100), (146, 34127), (149, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 94
Candidate Starts for Lego_33:
(Start: 94 @24673 has 28 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 107
Candidate Starts for LeoJr_107:
(Start: 107 @87292 has 28 MA's), (187, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 117
Candidate Starts for Leopard_52:
(Start: 117 @39719 has 160 MA's), (138, 39659), (146, 39632), (164, 39593), (173, 39569), (175, 39563), (180, 39557), (187, 39533),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 77
Candidate Starts for Lesedi_58:
(Start: 77 @39515 has 110 MA's), (Start: 83 @39503 has 4 MA's), (Start: 121 @39482 has 11 MA's), (138, 39431), (142, 39416), (149, 39395), (164, 39365), (175, 39335), (205, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 117
Candidate Starts for Leston_60:
(Start: 117 @42561 has 160 MA's), (142, 42636), (172, 42708),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 79
Candidate Starts for Leviathan_60:
(Start: 79 @38898 has 125 MA's), (Start: 108 @38889 has 3 MA's), (Start: 119 @38877 has 11 MA's), (Start: 121 @38871 has 11 MA's), (163, 38748),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 131
Candidate Starts for Lewan_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 77
Candidate Starts for Licorice_63:
(Start: 76 @42658 has 31 MA's), (Start: 77 @42655 has 110 MA's), (Start: 83 @42643 has 4 MA's), (Start: 121 @42622 has 11 MA's), (138, 42571), (142, 42556), (149, 42535), (164, 42505), (175, 42475),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 134
Candidate Starts for Liebe_36:
(Start: 114 @26752 has 44 MA's), (Start: 134 @26803 has 1 MA's), (179, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 119
Candidate Starts for Lifes_48:
(49, 30549), (58, 30567), (Start: 119 @30666 has 11 MA's), (138, 30723), (149, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 77
Candidate Starts for LilBib_62:
(Start: 76 @42642 has 31 MA's), (Start: 77 @42639 has 110 MA's), (Start: 83 @42627 has 4 MA's), (Start: 121 @42606 has 11 MA's), (138, 42555), (142, 42540), (149, 42519), (164, 42489), (175,

42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 113

Candidate Starts for LilDestine_32:

(Start: 113 @28421 has 202 MA's), (123, 28445), (Start: 131 @28466 has 6 MA's), (149, 28517), (181, 28583), (205, 28655), (211, 28676),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 117

Candidate Starts for LilPharaoh_56:

(61, 40597), (Start: 117 @40669 has 160 MA's), (152, 40774), (172, 40816), (188, 40852),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 79

Candidate Starts for LilTurb_59:

(Start: 79 @38722 has 125 MA's), (Start: 108 @38713 has 3 MA's), (Start: 119 @38701 has 11 MA's), (Start: 121 @38695 has 11 MA's), (163, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 113

Candidate Starts for Lilac_39:

(Start: 113 @32632 has 202 MA's), (Start: 137 @32689 has 3 MA's), (149, 32722), (151, 32728), (173, 32782), (180, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 96

Candidate Starts for LilhomieP_38:

(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 113

Candidate Starts for Lilizi_39:

(Start: 113 @32840 has 202 MA's), (Start: 137 @32897 has 3 MA's), (149, 32930), (151, 32936), (173, 32990), (180, 33002),

Gene: Lilleskat_56 Start: 38227, Stop: 37955, Start Num: 79

Candidate Starts for Lilleskat_56:

(Start: 79 @38227 has 125 MA's), (Start: 108 @38218 has 3 MA's), (Start: 134 @38161 has 1 MA's), (146, 38125), (158, 38086), (173, 38059), (180, 38047),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 104

Candidate Starts for Lillie_46:

(Start: 104 @34298 has 43 MA's), (Start: 119 @34280 has 11 MA's), (Start: 121 @34274 has 11 MA's), (159, 34157), (179, 34124), (181, 34118), (201, 34058), (212, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 113

Candidate Starts for Lilpickle_36:

(Start: 113 @32342 has 202 MA's), (Start: 137 @32399 has 3 MA's), (149, 32432), (151, 32438), (173, 32492), (180, 32504),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 117

Candidate Starts for LindNT_66:

(Start: 117 @44110 has 160 MA's), (147, 44200), (188, 44296),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 121

Candidate Starts for LittleE_56:

(Start: 121 @43957 has 11 MA's), (Start: 129 @43984 has 1 MA's), (147, 44038), (149, 44041), (175, 44098), (188, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 113

Candidate Starts for LiyuLake_31:

(Start: 113 @28737 has 202 MA's), (Start: 121 @28749 has 11 MA's), (Start: 131 @28782 has 6 MA's), (147, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 94

Candidate Starts for Lizalica_32:

(Start: 94 @24547 has 28 MA's), (179, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 117

Candidate Starts for Llorens_66:

(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 113

Candidate Starts for Loadrie_32:

(Start: 113 @28454 has 202 MA's), (Start: 131 @28499 has 6 MA's), (149, 28550), (181, 28616), (205, 28688), (211, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 77

Candidate Starts for Lockley_59:

(Start: 77 @40855 has 110 MA's), (Start: 83 @40843 has 4 MA's), (Start: 121 @40813 has 11 MA's), (138, 40762), (142, 40747), (149, 40726), (163, 40699), (164, 40696), (175, 40666), (205, 40591),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 79

Candidate Starts for Lokk_55:

(Start: 79 @37800 has 125 MA's), (Start: 121 @37773 has 11 MA's), (163, 37650), (180, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 113

Candidate Starts for Lolly9_31:

(Start: 113 @28548 has 202 MA's), (Start: 121 @28560 has 11 MA's), (Start: 131 @28593 has 6 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 111

Candidate Starts for London_34:

(19, 26386), (20, 26395), (Start: 111 @26623 has 10 MA's), (132, 26671), (181, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 79

Candidate Starts for LoneWolf_59:

(Start: 79 @38258 has 125 MA's), (Start: 108 @38249 has 3 MA's), (Start: 134 @38192 has 1 MA's), (146, 38156), (163, 38108), (180, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 103

Candidate Starts for Looper_63:

(7, 37799), (10, 37775), (13, 37697), (Start: 103 @37355 has 22 MA's), (180, 37178),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 83

Candidate Starts for Lopton_60:

(Start: 75 @42636 has 6 MA's), (Start: 83 @42624 has 4 MA's), (Start: 121 @42603 has 11 MA's), (138, 42552), (142, 42537), (149, 42516), (164, 42486), (175, 42456),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 101
Candidate Starts for Lozinak_125:
(Start: 101 @71628 has 14 MA's), (Start: 128 @71676 has 2 MA's), (175, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 79
Candidate Starts for Lucivia_58:
(Start: 79 @37835 has 125 MA's), (Start: 108 @37826 has 3 MA's), (180, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 121
Candidate Starts for Lucky2013_51:
(Start: 121 @40948 has 11 MA's), (Start: 129 @40975 has 1 MA's), (147, 41029), (149, 41032), (175, 41089), (188, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 104
Candidate Starts for Lucyedi_59:
(47, 38408), (Start: 79 @38339 has 125 MA's), (Start: 104 @38336 has 43 MA's), (Start: 108 @38330 has 3 MA's), (146, 38237), (159, 38195), (163, 38189), (180, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 113
Candidate Starts for Lumos_31:
(Start: 113 @28781 has 202 MA's), (Start: 121 @28793 has 11 MA's), (Start: 131 @28826 has 6 MA's),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 117
Candidate Starts for Lunahalos_66:
(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 113
Candidate Starts for MAckerman_30:
(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 113
Candidate Starts for MISSy_36:
(Start: 113 @32648 has 202 MA's), (Start: 137 @32705 has 3 MA's), (149, 32738), (151, 32744), (173, 32798), (180, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 113
Candidate Starts for MPhalcon_36:
(Start: 113 @32641 has 202 MA's), (Start: 137 @32698 has 3 MA's), (149, 32731), (151, 32737), (173, 32791), (180, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 79
Candidate Starts for MaCh_58:
(Start: 79 @37765 has 125 MA's), (Start: 108 @37756 has 3 MA's), (163, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 114
Candidate Starts for MaGuCo_34:
(Start: 114 @25599 has 44 MA's), (Start: 134 @25650 has 1 MA's), (179, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 79
Candidate Starts for Mabel_57:
(Start: 79 @37367 has 125 MA's), (Start: 108 @37358 has 3 MA's), (180, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 107

Candidate Starts for Mabodamaca_42:

(Start: 107 @28268 has 28 MA's), (132, 28322), (181, 28436),

Gene: MacKat_62 Start: 39405, Stop: 39647, Start Num: 117

Candidate Starts for MacKat_62:

(Start: 117 @39405 has 160 MA's), (147, 39495), (188, 39591), (196, 39615),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 113

Candidate Starts for MacnCheese_70:

(Start: 113 @44725 has 202 MA's), (Start: 128 @44758 has 2 MA's), (147, 44815), (179, 44887), (188, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 113

Candidate Starts for MadamMonkfish_37:

(Start: 113 @32553 has 202 MA's), (Start: 137 @32610 has 3 MA's), (149, 32643), (151, 32649), (173, 32703), (180, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 85

Candidate Starts for Magnar_60:

(Start: 85 @41031 has 10 MA's), (Start: 119 @41013 has 11 MA's), (Start: 121 @41007 has 11 MA's), (138, 40956), (142, 40941), (149, 40920), (164, 40890), (175, 40860), (205, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 85

Candidate Starts for Magnito_60:

(Start: 85 @40895 has 10 MA's), (Start: 119 @40877 has 11 MA's), (Start: 121 @40871 has 11 MA's), (138, 40820), (142, 40805), (149, 40784), (156, 40763), (164, 40754), (175, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 91

Candidate Starts for Magsby_50:

(11, 34508), (26, 34715), (27, 34748), (54, 34844), (Start: 91 @34922 has 36 MA's), (Start: 119 @34934 has 11 MA's), (Start: 121 @34940 has 11 MA's), (147, 35018), (175, 35084), (179, 35087),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 79

Candidate Starts for MajorMajor_57:

(Start: 79 @37421 has 125 MA's), (Start: 119 @37400 has 11 MA's), (Start: 121 @37394 has 11 MA's), (163, 37271), (168, 37259),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 75

Candidate Starts for Makemake_64:

(Start: 75 @42602 has 6 MA's), (Start: 83 @42590 has 4 MA's), (Start: 121 @42569 has 11 MA's), (138, 42518), (142, 42503), (149, 42482), (164, 42452), (175, 42422), (205, 42347),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 79

Candidate Starts for Malec_58:

(Start: 79 @38998 has 125 MA's), (Start: 121 @38971 has 11 MA's), (133, 38935), (147, 38893), (163, 38848), (180, 38818), (182, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 79

Candidate Starts for Maminiaina_57:

(Start: 79 @38227 has 125 MA's), (Start: 108 @38218 has 3 MA's), (Start: 134 @38161 has 1 MA's), (146, 38125), (180, 38047),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 76

Candidate Starts for Manatee_62:

(Start: 76 @40921 has 31 MA's), (Start: 77 @40918 has 110 MA's), (Start: 83 @40906 has 4 MA's), (Start: 119 @40891 has 11 MA's), (Start: 121 @40885 has 11 MA's), (138, 40834), (142, 40819), (149, 40798), (164, 40768), (175, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 113

Candidate Starts for Manda_38:

(Start: 113 @33620 has 202 MA's), (Start: 137 @33677 has 3 MA's), (149, 33710), (151, 33716), (173, 33770), (180, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 77

Candidate Starts for Marcell_58:

(67, 39808), (Start: 76 @39787 has 31 MA's), (Start: 77 @39784 has 110 MA's), (Start: 83 @39772 has 4 MA's), (Start: 121 @39742 has 11 MA's), (138, 39691), (142, 39676), (149, 39655), (164, 39625), (175, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 77

Candidate Starts for Marchy_56:

(Start: 76 @37875 has 31 MA's), (Start: 77 @37872 has 110 MA's), (Start: 83 @37860 has 4 MA's), (Start: 121 @37830 has 11 MA's), (138, 37779), (142, 37764), (149, 37743), (156, 37722), (164, 37713), (175, 37683),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 117

Candidate Starts for Marcoliusprime_69:

(64, 46035), (68, 46041), (Start: 117 @46092 has 160 MA's), (147, 46182), (164, 46218), (179, 46251),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 111

Candidate Starts for MargaretKali_53:

(Start: 111 @31679 has 10 MA's), (132, 31727), (170, 31841),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 77

Candidate Starts for Marge_59:

(Start: 76 @40667 has 31 MA's), (Start: 77 @40664 has 110 MA's), (Start: 83 @40652 has 4 MA's), (Start: 121 @40631 has 11 MA's), (138, 40580), (142, 40565), (149, 40544), (164, 40514), (175, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 117

Candidate Starts for MarkPhew_69:

(Start: 117 @43780 has 160 MA's), (156, 43897), (171, 43912), (172, 43915), (188, 43951),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 76

Candidate Starts for Maroc7_59:

(67, 41332), (Start: 76 @41311 has 31 MA's), (Start: 77 @41308 has 110 MA's), (Start: 83 @41296 has 4 MA's), (Start: 121 @41275 has 11 MA's), (138, 41224), (142, 41209), (149, 41188), (164, 41158), (175, 41128),

Gene: Marsha_61 Start: 42250, Stop: 41984, Start Num: 77

Candidate Starts for Marsha_61:

(Start: 76 @42253 has 31 MA's), (Start: 77 @42250 has 110 MA's), (Start: 121 @42217 has 11 MA's), (138, 42166), (142, 42151), (149, 42130), (156, 42109), (164, 42100), (175, 42070),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 117

Candidate Starts for Marshawn_66:
(Start: 117 @44145 has 160 MA's), (147, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 113
Candidate Starts for Marshmallow_37:
(Start: 113 @33133 has 202 MA's), (Start: 137 @33190 has 3 MA's), (149, 33223), (151, 33229), (173, 33283), (180, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 77
Candidate Starts for MaryBeth_60:
(Start: 76 @41491 has 31 MA's), (Start: 77 @41488 has 110 MA's), (Start: 83 @41476 has 4 MA's), (Start: 121 @41455 has 11 MA's), (138, 41404), (142, 41389), (149, 41368), (164, 41338), (175, 41308), (205, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 122
Candidate Starts for MaryV_53:
(Start: 122 @39346 has 5 MA's), (144, 39427), (164, 39475), (176, 39508), (177, 39511), (179, 39514), (188, 39547), (202, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 114
Candidate Starts for Maureen_36:
(Start: 114 @26752 has 44 MA's), (Start: 134 @26803 has 1 MA's), (179, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 113
Candidate Starts for Maxxinista_38:
(Start: 113 @32602 has 202 MA's), (Start: 137 @32659 has 3 MA's), (149, 32692), (151, 32698), (173, 32752), (180, 32764),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 107
Candidate Starts for Mbo4_60:
(4, 42125), (Start: 107 @42893 has 28 MA's), (Start: 128 @42926 has 2 MA's),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 117
Candidate Starts for McMater_69:
(Start: 117 @44123 has 160 MA's), (147, 44213), (164, 44249), (171, 44267), (196, 44330),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 117
Candidate Starts for Mdavu_56:
(61, 40858), (Start: 117 @40930 has 160 MA's), (152, 41035), (172, 41077), (188, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 117
Candidate Starts for MeaningOfLife_67:
(Start: 117 @44374 has 160 MA's), (147, 44464), (188, 44560), (196, 44584),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 117
Candidate Starts for Megsy_69:
(Start: 117 @44032 has 160 MA's), (147, 44122), (188, 44218), (207, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 91
Candidate Starts for Melville_53:
(11, 34492), (26, 34699), (27, 34732), (54, 34828), (Start: 91 @34906 has 36 MA's), (Start: 119 @34918 has 11 MA's), (Start: 121 @34924 has 11 MA's), (147, 35002), (175, 35068), (179, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 77

Candidate Starts for MetalQZJ_59:

(Start: 76 @41491 has 31 MA's), (Start: 77 @41488 has 110 MA's), (Start: 83 @41476 has 4 MA's), (Start: 121 @41455 has 11 MA's), (138, 41404), (142, 41389), (149, 41368), (164, 41338), (175, 41308), (205, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 121

Candidate Starts for MiaZeal_51:

(Start: 121 @40623 has 11 MA's), (Start: 129 @40650 has 1 MA's), (147, 40704), (149, 40707), (175, 40764), (188, 40800),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 77

Candidate Starts for Michley_65:

(Start: 77 @41769 has 110 MA's), (Start: 83 @41757 has 4 MA's), (138, 41676), (142, 41661), (149, 41640), (164, 41610), (175, 41580), (205, 41505),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 79

Candidate Starts for Miko_55:

(23, 38779), (Start: 79 @38578 has 125 MA's), (Start: 121 @38551 has 11 MA's), (163, 38428), (180, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for Miley16_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 117

Candidate Starts for Milly_69:

(61, 46003), (Start: 117 @46066 has 160 MA's), (147, 46156), (179, 46225),

Gene: Mimi_114 Start: 86487, Stop: 86735, Start Num: 107

Candidate Starts for Mimi_114:

(Start: 107 @86487 has 28 MA's), (Start: 111 @86493 has 10 MA's), (Start: 121 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 113

Candidate Starts for Mindy_37:

(Start: 113 @32913 has 202 MA's), (Start: 137 @32970 has 3 MA's), (149, 33003), (151, 33009), (168, 33057), (173, 33063), (180, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 103

Candidate Starts for MinecraftSteve_64:

(Start: 103 @37679 has 22 MA's), (180, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 114

Candidate Starts for Minerva_58:

(Start: 114 @45548 has 44 MA's), (168, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 113

Candidate Starts for MiniLon_31:

(Start: 113 @28548 has 202 MA's), (Start: 121 @28560 has 11 MA's), (Start: 131 @28593 has 6 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 113
Candidate Starts for MiniMac_31:
(Start: 113 @28549 has 202 MA's), (Start: 121 @28561 has 11 MA's), (Start: 131 @28594 has 6 MA's),

Gene: MiniMommy_41 Start: 26464, Stop: 26751, Start Num: 107
Candidate Starts for MiniMommy_41:
(Start: 107 @26464 has 28 MA's), (179, 26656),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 113
Candidate Starts for Miniwave_37:
(Start: 113 @33332 has 202 MA's), (Start: 137 @33389 has 3 MA's), (149, 33422), (151, 33428), (173, 33482), (180, 33494),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 117
Candidate Starts for Miryou_64:
(Start: 117 @45175 has 160 MA's), (139, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 113
Candidate Starts for Misfit_37:
(Start: 113 @33222 has 202 MA's), (Start: 137 @33279 has 3 MA's), (149, 33312), (151, 33318), (173, 33372), (180, 33384),

Gene: Miskis_124 Start: 71060, Stop: 71353, Start Num: 101
Candidate Starts for Miskis_124:
(Start: 101 @71060 has 14 MA's), (Start: 128 @71108 has 2 MA's), (175, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 111
Candidate Starts for MissAmericana_7:
(Start: 111 @5312 has 10 MA's), (164, 5159), (196, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 118
Candidate Starts for MissDaisy_67:
(29, 42101), (Start: 103 @42284 has 22 MA's), (Start: 118 @42299 has 1 MA's), (147, 42386), (187, 42482), (206, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 114
Candidate Starts for MissSwiss_32:
(Start: 114 @23153 has 44 MA's), (132, 23198), (179, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 79
Candidate Starts for MissWhite_57:
(Start: 79 @36925 has 125 MA's), (Start: 108 @36916 has 3 MA's), (Start: 121 @36898 has 11 MA's), (180, 36745),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 113
Candidate Starts for MkaliMitinis3_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 121
Candidate Starts for Mkhuseli_58:

(Start: 76 @39529 has 31 MA's), (Start: 77 @39526 has 110 MA's), (Start: 83 @39514 has 4 MA's), (Start: 121 @39493 has 11 MA's), (138, 39442), (142, 39427), (149, 39406), (164, 39376), (175, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 113

Candidate Starts for Moldemort_38:

(Start: 113 @32877 has 202 MA's), (Start: 137 @32934 has 3 MA's), (149, 32967), (151, 32973), (173, 33027), (180, 33039),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 101

Candidate Starts for Mollymur_85:

(Start: 101 @58104 has 14 MA's), (168, 57939), (176, 57924), (193, 57873),

Gene: Monet_65 Start: 43052, Stop: 42786, Start Num: 77

Candidate Starts for Monet_65:

(Start: 76 @43055 has 31 MA's), (Start: 77 @43052 has 110 MA's), (Start: 83 @43040 has 4 MA's), (Start: 121 @43019 has 11 MA's), (138, 42968), (142, 42953), (149, 42932), (156, 42911), (164, 42902), (175, 42872),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 107

Candidate Starts for MontyDev_40:

(Start: 80 @35997 has 3 MA's), (Start: 107 @36039 has 28 MA's), (Start: 121 @36060 has 11 MA's), (Start: 128 @36081 has 2 MA's), (Start: 137 @36105 has 3 MA's), (138, 36108), (171, 36207), (172, 36210), (173, 36213), (191, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 131

Candidate Starts for Moostard_31:

(Start: 113 @28787 has 202 MA's), (Start: 121 @28799 has 11 MA's), (Start: 131 @28832 has 6 MA's),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 113

Candidate Starts for Mosby_36:

(Start: 113 @32639 has 202 MA's), (Start: 137 @32696 has 3 MA's), (149, 32729), (151, 32735), (168, 32783), (173, 32789), (180, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 96

Candidate Starts for Moss_31:

(Start: 96 @22585 has 21 MA's), (Start: 111 @22600 has 10 MA's), (140, 22663), (189, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 77

Candidate Starts for MrGordo_64:

(Start: 76 @41638 has 31 MA's), (Start: 77 @41635 has 110 MA's), (Start: 83 @41623 has 4 MA's), (Start: 121 @41593 has 11 MA's), (138, 41542), (142, 41527), (149, 41506), (164, 41476), (175, 41446), (205, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 113

Candidate Starts for MrMagoo_44:

(Start: 113 @33882 has 202 MA's), (170, 34026), (171, 34029), (179, 34044), (202, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 85

Candidate Starts for Mryolo_58:

(Start: 85 @40629 has 10 MA's), (Start: 119 @40611 has 11 MA's), (Start: 121 @40605 has 11 MA's), (138, 40554), (142, 40539), (149, 40518), (164, 40488), (175, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 113

Candidate Starts for MsGreen_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 95

Candidate Starts for Mudpuppy_32:

(19, 24277), (25, 24313), (Start: 95 @24535 has 6 MA's), (179, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 117

Candidate Starts for Mufasa_69:

(64, 45595), (68, 45601), (Start: 117 @45652 has 160 MA's), (147, 45742), (179, 45811), (188, 45835), (209, 45889),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 79

Candidate Starts for Mulciber_57:

(Start: 79 @37323 has 125 MA's), (Start: 108 @37314 has 3 MA's), (180, 37143),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 77

Candidate Starts for Mule_59:

(Start: 76 @40470 has 31 MA's), (Start: 77 @40467 has 110 MA's), (Start: 83 @40455 has 4 MA's), (Start: 121 @40434 has 11 MA's), (138, 40383), (142, 40368), (149, 40347), (164, 40317), (175, 40287),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 79

Candidate Starts for Munch_58:

(Start: 79 @37786 has 125 MA's), (Start: 108 @37777 has 3 MA's), (180, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 113

Candidate Starts for Murica_36:

(Start: 113 @33119 has 202 MA's), (Start: 137 @33176 has 3 MA's), (149, 33209), (151, 33215), (173, 33269), (180, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 113

Candidate Starts for Murphy_38:

(Start: 113 @33114 has 202 MA's), (Start: 137 @33171 has 3 MA's), (149, 33204), (151, 33210), (173, 33264), (180, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 117

Candidate Starts for Murucutumbu_68:

(Start: 117 @44888 has 160 MA's), (147, 44978), (188, 45074), (196, 45098),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 117

Candidate Starts for Mynx_68:

(Start: 117 @44234 has 160 MA's), (147, 44324), (188, 44420), (196, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 113

Candidate Starts for Myrale_37:

(Start: 113 @32998 has 202 MA's), (Start: 137 @33055 has 3 MA's), (149, 33088), (151, 33094), (173, 33148), (180, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 114

Candidate Starts for Myrna_77:
(Start: 114 @30774 has 44 MA's), (158, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 96
Candidate Starts for Mysterium_31:
(Start: 96 @22590 has 21 MA's), (Start: 111 @22605 has 10 MA's), (140, 22668), (189, 22788),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 79
Candidate Starts for Myxus_58:
(Start: 79 @38225 has 125 MA's), (Start: 108 @38216 has 3 MA's), (Start: 134 @38159 has 1 MA's),
(146, 38123), (158, 38084), (173, 38057), (180, 38045),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 77
Candidate Starts for NEHalo_59:
(Start: 76 @41050 has 31 MA's), (Start: 77 @41047 has 110 MA's), (Start: 83 @41035 has 4 MA's),
(Start: 121 @41014 has 11 MA's), (138, 40963), (142, 40948), (149, 40927), (164, 40897), (175,
40867), (205, 40792),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 104
Candidate Starts for Naiad_45:
(Start: 104 @34311 has 43 MA's), (Start: 119 @34293 has 11 MA's), (Start: 121 @34287 has 11
MA's), (159, 34170), (179, 34137), (181, 34131), (201, 34071), (212, 34023),

Gene: Naira_64 Start: 42709, Stop: 42434, Start Num: 77
Candidate Starts for Naira_64:
(Start: 77 @42709 has 110 MA's), (Start: 83 @42697 has 4 MA's), (Start: 121 @42667 has 11 MA's),
(138, 42616), (142, 42601), (149, 42580), (156, 42559), (164, 42550), (175, 42520), (205, 42445),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 79
Candidate Starts for Naji_60:
(Start: 79 @38269 has 125 MA's), (Start: 108 @38260 has 3 MA's), (146, 38167), (180, 38089), (196,
38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 113
Candidate Starts for Nala_37:
(Start: 113 @33153 has 202 MA's), (Start: 137 @33210 has 3 MA's), (149, 33243), (151, 33249), (173,
33303), (180, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 104
Candidate Starts for Nancinator_46:
(Start: 104 @34231 has 43 MA's), (Start: 119 @34213 has 11 MA's), (Start: 121 @34207 has 11
MA's), (159, 34090), (179, 34057), (181, 34051), (201, 33991), (212, 33943),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 113
Candidate Starts for Nanosmite_44:
(Start: 113 @33715 has 202 MA's), (138, 33778), (147, 33808), (170, 33859),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 104
Candidate Starts for Natosaleda_45:
(Start: 104 @34230 has 43 MA's), (Start: 119 @34212 has 11 MA's), (Start: 121 @34206 has 11
MA's), (159, 34089), (179, 34056), (181, 34050), (201, 33990), (212, 33942),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 103

Candidate Starts for Nebulosus_62:

(7, 37883), (10, 37859), (13, 37781), (Start: 103 @37439 has 22 MA's), (180, 37262), (190, 37223),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 101

Candidate Starts for Nedarya_60:

(10, 37842), (Start: 101 @37419 has 14 MA's), (Start: 108 @37410 has 3 MA's), (Start: 121 @37392 has 11 MA's), (180, 37239),

Gene: Neighly_62 Start: 41954, Stop: 42202, Start Num: 117

Candidate Starts for Neighly_62:

(Start: 117 @41954 has 160 MA's), (142, 42029), (172, 42101),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 113

Candidate Starts for NelitzaMV_37:

(Start: 113 @33203 has 202 MA's), (Start: 137 @33260 has 3 MA's), (149, 33293), (151, 33299), (173, 33353), (180, 33365),

Gene: Nenae_55 Start: 36175, Stop: 36423, Start Num: 91

Candidate Starts for Nenae_55:

(Start: 91 @36175 has 36 MA's), (Start: 119 @36187 has 11 MA's), (175, 36337), (179, 36340), (205, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 77

Candidate Starts for Nerujay_64:

(Start: 76 @42396 has 31 MA's), (Start: 77 @42393 has 110 MA's), (Start: 83 @42381 has 4 MA's), (Start: 121 @42351 has 11 MA's), (138, 42300), (142, 42285), (149, 42264), (164, 42234), (175, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 113

Candidate Starts for Netyap_32:

(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 119

Candidate Starts for Neville_111:

(Start: 95 @63872 has 6 MA's), (Start: 119 @63902 has 11 MA's), (146, 63998), (147, 64001), (164, 64037), (175, 64067), (177, 64073), (189, 64112),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 117

Candidate Starts for Nibb_69:

(Start: 117 @43994 has 160 MA's), (172, 44129), (188, 44165),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 113

Candidate Starts for Nicholas_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 113

Candidate Starts for Nicholasp3_32:

(Start: 113 @28424 has 202 MA's), (Start: 131 @28469 has 6 MA's), (149, 28520), (181, 28586), (205, 28658), (211, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 114

Candidate Starts for NihilNomen_51:
(Start: 114 @44218 has 44 MA's), (168, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 117
Candidate Starts for Nikao_58:
(61, 43482), (Start: 117 @43554 has 160 MA's), (152, 43659), (172, 43701), (188, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 117
Candidate Starts for Niklas_69:
(Start: 117 @44184 has 160 MA's), (147, 44274), (164, 44310), (171, 44328), (196, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 107
Candidate Starts for Nilo_41:
(Start: 80 @36353 has 3 MA's), (Start: 107 @36395 has 28 MA's), (Start: 121 @36416 has 11 MA's),
(Start: 128 @36437 has 2 MA's), (138, 36464), (171, 36563), (172, 36566), (173, 36569), (191, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 113
Candidate Starts for Nimrod_37:
(Start: 113 @33377 has 202 MA's), (Start: 137 @33434 has 3 MA's), (149, 33467), (151, 33473), (173, 33527), (180, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 111
Candidate Starts for Niobe_34:
(19, 26371), (20, 26380), (Start: 111 @26608 has 10 MA's), (132, 26656), (181, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 94
Candidate Starts for Nitro_33:
(Start: 94 @25923 has 28 MA's), (179, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 77
Candidate Starts for Niza_64:
(Start: 76 @43066 has 31 MA's), (Start: 77 @43063 has 110 MA's), (Start: 83 @43051 has 4 MA's),
(Start: 121 @43030 has 11 MA's), (138, 42979), (142, 42964), (149, 42943), (164, 42913), (175, 42883), (205, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 113
Candidate Starts for NoSleep_38:
(Start: 113 @32874 has 202 MA's), (Start: 137 @32931 has 3 MA's), (149, 32964), (151, 32970), (173, 33024), (180, 33036),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 101
Candidate Starts for Norvs_124:
(Start: 101 @71047 has 14 MA's), (Start: 128 @71095 has 2 MA's), (175, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 77
Candidate Starts for Norz_62:
(Start: 76 @43483 has 31 MA's), (Start: 77 @43480 has 110 MA's), (Start: 83 @43468 has 4 MA's),
(Start: 121 @43447 has 11 MA's), (138, 43396), (142, 43381), (149, 43360), (164, 43330), (175, 43300),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 79
Candidate Starts for NothingSpecial_56:

(Start: 79 @38807 has 125 MA's), (Start: 119 @38786 has 11 MA's), (Start: 121 @38780 has 11 MA's), (133, 38744), (147, 38702), (150, 38693), (163, 38657), (180, 38627), (182, 38618), (183, 38615),

Gene: November_66 Start: 43864, Stop: 44103, Start Num: 117

Candidate Starts for November_66:

(71, 43798), (Start: 117 @43864 has 160 MA's), (Start: 121 @43873 has 11 MA's), (188, 44050),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 117

Candidate Starts for Nutello_55:

(61, 40869), (Start: 117 @40941 has 160 MA's), (152, 41046), (172, 41088), (188, 41124),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 95

Candidate Starts for ObiToo_36:

(19, 25018), (25, 25054), (Start: 95 @25276 has 6 MA's),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 119

Candidate Starts for Octobien14_110:

(Start: 119 @61808 has 11 MA's), (124, 61823), (142, 61886), (147, 61901), (164, 61937), (189, 62012),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 114

Candidate Starts for Odette_52:

(Start: 114 @43439 has 44 MA's), (138, 43502), (147, 43532), (149, 43535), (179, 43595), (180, 43598), (181, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 79

Candidate Starts for Odin_56:

(Start: 79 @37328 has 125 MA's), (Start: 121 @37301 has 11 MA's), (163, 37178), (168, 37166),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 113

Candidate Starts for OhShagHennessy_30:

(Start: 113 @27655 has 202 MA's), (Start: 131 @27700 has 6 MA's), (175, 27808),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 77

Candidate Starts for Ohno789_62:

(Start: 77 @41791 has 110 MA's), (Start: 83 @41779 has 4 MA's), (Start: 119 @41764 has 11 MA's), (Start: 121 @41758 has 11 MA's), (138, 41707), (142, 41692), (149, 41671), (164, 41641), (175, 41611), (205, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 117

Candidate Starts for OkiRoe_61:

(Start: 117 @42847 has 160 MA's), (139, 42910),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 121

Candidate Starts for Omega_56:

(Start: 121 @45262 has 11 MA's), (Start: 129 @45289 has 1 MA's), (147, 45343), (149, 45346), (175, 45403), (188, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 117

Candidate Starts for Omnicron_64:

(Start: 117 @42953 has 160 MA's), (132, 42998),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 94
Candidate Starts for OneUp_110:
(Start: 94 @69312 has 28 MA's), (Start: 104 @69324 has 43 MA's), (173, 69492),

Gene: Onglai_56 Start: 36566, Stop: 36294, Start Num: 79
Candidate Starts for Onglai_56:
(Start: 79 @36566 has 125 MA's), (Start: 108 @36557 has 3 MA's), (Start: 134 @36500 has 1 MA's),
(146, 36464), (158, 36425), (173, 36398), (180, 36386),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 117
Candidate Starts for Onyinye_53:
(Start: 117 @39601 has 160 MA's), (138, 39541), (146, 39514), (164, 39475), (173, 39451), (175,
39445), (180, 39439), (187, 39415),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 103
Candidate Starts for Oofda_65:
(Start: 103 @37642 has 22 MA's), (180, 37465),

Gene: Oogway_61 Start: 42078, Stop: 41827, Start Num: 108
Candidate Starts for Oogway_61:
(Start: 76 @42126 has 31 MA's), (Start: 77 @42123 has 110 MA's), (Start: 83 @42111 has 4 MA's),
(Start: 108 @42078 has 3 MA's), (Start: 121 @42060 has 11 MA's), (138, 42009), (142, 41994), (149,
41973), (164, 41943), (175, 41913), (205, 41838),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 114
Candidate Starts for Optimus_57:
(Start: 114 @45133 has 44 MA's), (168, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 79
Candidate Starts for Orange_57:
(Start: 79 @37335 has 125 MA's), (Start: 108 @37326 has 3 MA's), (180, 37155),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 113
Candidate Starts for OrionPax_38:
(Start: 113 @32880 has 202 MA's), (Start: 137 @32937 has 3 MA's), (149, 32970), (151, 32976), (173,
33030), (180, 33042),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 117
Candidate Starts for Oscar_70:
(Start: 117 @44198 has 160 MA's), (156, 44315), (172, 44333),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 77
Candidate Starts for PSullivan_60:
(Start: 76 @39683 has 31 MA's), (Start: 77 @39680 has 110 MA's), (Start: 83 @39668 has 4 MA's),
(Start: 121 @39638 has 11 MA's), (138, 39587), (142, 39572), (149, 39551), (164, 39521), (175,
39491),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 131
Candidate Starts for PYPDinur_30:
(Start: 113 @27579 has 202 MA's), (Start: 131 @27624 has 6 MA's), (180, 27738),

Gene: PacerPaul_61 Start: 41105, Stop: 40827, Start Num: 76
Candidate Starts for PacerPaul_61:

(Start: 76 @41105 has 31 MA's), (Start: 77 @41102 has 110 MA's), (Start: 83 @41090 has 4 MA's), (Start: 121 @41060 has 11 MA's), (138, 41009), (142, 40994), (149, 40973), (164, 40943), (175, 40913),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 79

Candidate Starts for PackMan_57:

(Start: 79 @38225 has 125 MA's), (Start: 108 @38216 has 3 MA's), (Start: 134 @38159 has 1 MA's), (146, 38123), (158, 38084), (173, 38057), (180, 38045),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Padfoot_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 117

Candidate Starts for Padpat_69:

(Start: 117 @43939 has 160 MA's), (147, 44029), (188, 44125), (196, 44149),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 79

Candidate Starts for PainterBoy_59:

(47, 38367), (Start: 79 @38298 has 125 MA's), (Start: 108 @38289 has 3 MA's), (146, 38196), (163, 38148), (173, 38130), (180, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 113

Candidate Starts for Palpatine_37:

(Start: 113 @33149 has 202 MA's), (Start: 137 @33206 has 3 MA's), (149, 33239), (151, 33245), (173, 33299), (180, 33311),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 91

Candidate Starts for Panchino_48:

(27, 35636), (54, 35732), (Start: 91 @35810 has 36 MA's), (Start: 119 @35822 has 11 MA's), (147, 35906), (175, 35972), (179, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 117

Candidate Starts for Paola_60:

(Start: 117 @42432 has 160 MA's), (142, 42507), (172, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 113

Candidate Starts for Paperbeatsrock_39:

(Start: 113 @34115 has 202 MA's), (Start: 137 @34172 has 3 MA's), (149, 34205), (151, 34211), (173, 34265), (180, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 76

Candidate Starts for Papez_64:

(Start: 76 @42624 has 31 MA's), (Start: 77 @42621 has 110 MA's), (Start: 83 @42609 has 4 MA's), (Start: 121 @42588 has 11 MA's), (138, 42537), (142, 42522), (149, 42501), (164, 42471), (175, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 107

Candidate Starts for Papyrus_40:

(Start: 80 @36012 has 3 MA's), (Start: 107 @36054 has 28 MA's), (Start: 121 @36075 has 11 MA's), (Start: 128 @36096 has 2 MA's), (Start: 137 @36120 has 3 MA's), (138, 36123), (171, 36222), (172, 36225), (173, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 77

Candidate Starts for Paraselene_60:

(Start: 76 @41402 has 31 MA's), (Start: 77 @41399 has 110 MA's), (Start: 83 @41387 has 4 MA's), (Start: 121 @41366 has 11 MA's), (138, 41315), (142, 41300), (149, 41279), (164, 41249), (175, 41219), (205, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 77

Candidate Starts for Pari_65:

(Start: 76 @40812 has 31 MA's), (Start: 77 @40809 has 110 MA's), (Start: 83 @40797 has 4 MA's), (Start: 95 @40782 has 6 MA's), (Start: 121 @40776 has 11 MA's), (138, 40725), (142, 40710), (149, 40689), (164, 40659), (175, 40629), (205, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 91

Candidate Starts for Parmesanjohn_50:

(11, 34511), (26, 34718), (27, 34751), (54, 34847), (Start: 91 @34925 has 36 MA's), (Start: 119 @34937 has 11 MA's), (Start: 121 @34943 has 11 MA's), (147, 35021), (175, 35087), (179, 35090),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 104

Candidate Starts for Partridge_45:

(Start: 104 @34587 has 43 MA's), (Start: 121 @34563 has 11 MA's), (158, 34449), (159, 34446), (179, 34413), (181, 34407), (201, 34347), (212, 34299),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 77

Candidate Starts for PascalRango_60:

(Start: 76 @40924 has 31 MA's), (Start: 77 @40921 has 110 MA's), (Start: 83 @40909 has 4 MA's), (Start: 121 @40879 has 11 MA's), (138, 40828), (142, 40813), (149, 40792), (164, 40762), (175, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 113

Candidate Starts for Pat3_36:

(Start: 113 @31861 has 202 MA's), (Start: 137 @31918 has 3 MA's), (149, 31951), (151, 31957), (168, 32005), (173, 32011), (180, 32023),

Gene: Patbob_109 Start: 87222, Stop: 87470, Start Num: 107

Candidate Starts for Patbob_109:

(Start: 107 @87222 has 28 MA's), (Start: 111 @87228 has 10 MA's), (Start: 121 @87234 has 11 MA's),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 76

Candidate Starts for PattyP_64:

(Start: 76 @42323 has 31 MA's), (Start: 77 @42320 has 110 MA's), (Start: 83 @42308 has 4 MA's), (Start: 121 @42278 has 11 MA's), (138, 42227), (142, 42212), (149, 42191), (164, 42161), (175, 42131),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 77

Candidate Starts for Payneful_60:

(Start: 76 @40592 has 31 MA's), (Start: 77 @40589 has 110 MA's), (Start: 83 @40577 has 4 MA's), (Start: 121 @40547 has 11 MA's), (138, 40496), (142, 40481), (149, 40460), (156, 40439), (164, 40430), (175, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 117

Candidate Starts for Peanam_69:

(Start: 117 @44141 has 160 MA's), (147, 44231), (164, 44267), (171, 44285), (196, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 117
Candidate Starts for Peel_66:
(Start: 117 @43624 has 160 MA's), (147, 43714), (188, 43810), (196, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 96
Candidate Starts for PegLeg_39:
(45, 32650), (Start: 96 @32761 has 21 MA's), (Start: 113 @32779 has 202 MA's), (138, 32842), (172, 32929), (175, 32938), (181, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 77
Candidate Starts for Pelly_63:
(Start: 76 @43138 has 31 MA's), (Start: 77 @43135 has 110 MA's), (Start: 83 @43123 has 4 MA's),
(Start: 121 @43102 has 11 MA's), (138, 43051), (142, 43036), (149, 43015), (164, 42985), (175, 42955), (205, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 77
Candidate Starts for Pepe_60:
(Start: 76 @40254 has 31 MA's), (Start: 77 @40251 has 110 MA's), (Start: 83 @40239 has 4 MA's),
(Start: 95 @40224 has 6 MA's), (Start: 121 @40218 has 11 MA's), (138, 40167), (142, 40152), (164, 40101), (175, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 107
Candidate Starts for Percival_43:
(41, 28155), (43, 28158), (Start: 107 @28266 has 28 MA's), (132, 28320), (185, 28446), (189, 28458),
(193, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 77
Candidate Starts for Perseus_61:
(Start: 76 @42875 has 31 MA's), (Start: 77 @42872 has 110 MA's), (Start: 83 @42860 has 4 MA's),
(Start: 121 @42839 has 11 MA's), (138, 42788), (142, 42773), (149, 42752), (164, 42722), (175, 42692),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 79
Candidate Starts for Petersenfast_56:
(Start: 79 @37334 has 125 MA's), (Start: 108 @37325 has 3 MA's), (180, 37154),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 77
Candidate Starts for Peterson_66:
(Start: 77 @43632 has 110 MA's), (Start: 83 @43620 has 4 MA's), (Start: 121 @43599 has 11 MA's),
(138, 43548), (142, 43533), (149, 43512), (164, 43482), (175, 43452), (205, 43377),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 113
Candidate Starts for Petra64142_39:
(Start: 113 @33595 has 202 MA's), (Start: 137 @33652 has 3 MA's), (149, 33685), (151, 33691), (173, 33745), (180, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 77
Candidate Starts for Petruccio_62:
(Start: 76 @40713 has 31 MA's), (Start: 77 @40710 has 110 MA's), (Start: 83 @40698 has 4 MA's),
(Start: 121 @40668 has 11 MA's), (138, 40617), (142, 40602), (149, 40581), (164, 40551), (175, 40521), (205, 40446),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 79

Candidate Starts for Ph8s_59:

(Start: 79 @37685 has 125 MA's), (133, 37622), (149, 37574), (163, 37535), (168, 37523), (180, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 114

Candidate Starts for Phabba_83:

(Start: 114 @30849 has 44 MA's), (132, 30894), (158, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 79

Candidate Starts for Phaeder_58:

(Start: 79 @38225 has 125 MA's), (Start: 108 @38216 has 3 MA's), (Start: 134 @38159 has 1 MA's), (146, 38123), (158, 38084), (173, 38057), (180, 38045),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 104

Candidate Starts for PhailMary_45:

(Start: 104 @34620 has 43 MA's), (Start: 119 @34602 has 11 MA's), (Start: 121 @34596 has 11 MA's), (138, 34548), (159, 34479), (179, 34446), (181, 34440), (201, 34380), (212, 34332),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 137

Candidate Starts for Phaja_37:

(Start: 113 @33311 has 202 MA's), (Start: 137 @33368 has 3 MA's), (149, 33401), (151, 33407), (173, 33461), (180, 33473),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 91

Candidate Starts for PhancyPhin_55:

(Start: 91 @36169 has 36 MA's), (Start: 119 @36181 has 11 MA's), (175, 36331), (179, 36334), (205, 36409),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 79

Candidate Starts for Pharaoh_53:

(23, 38472), (Start: 79 @38271 has 125 MA's), (Start: 108 @38262 has 3 MA's), (Start: 119 @38250 has 11 MA's), (133, 38208), (146, 38169), (163, 38121), (173, 38103), (180, 38091), (182, 38082),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 113

Candidate Starts for Pharb_67:

(Start: 113 @43448 has 202 MA's), (Start: 128 @43481 has 2 MA's), (147, 43538), (179, 43610),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 113

Candidate Starts for Pharsalus_38:

(Start: 113 @33915 has 202 MA's), (Start: 137 @33972 has 3 MA's), (149, 34005), (151, 34011), (173, 34065), (180, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 113

Candidate Starts for PhatBacter_37:

(Start: 113 @33163 has 202 MA's), (Start: 137 @33220 has 3 MA's), (149, 33253), (151, 33259), (173, 33313), (180, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 113

Candidate Starts for Phaux_36:

(Start: 113 @33161 has 202 MA's), (Start: 137 @33218 has 3 MA's), (149, 33251), (151, 33257), (173, 33311), (180, 33323),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 117
Candidate Starts for PhelpsODU_68:
(Start: 117 @43391 has 160 MA's), (Start: 121 @43400 has 11 MA's), (147, 43481), (179, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 77
Candidate Starts for PherrisBueller_61:
(Start: 77 @39865 has 110 MA's), (Start: 83 @39853 has 4 MA's), (Start: 119 @39838 has 11 MA's),
(Start: 121 @39832 has 11 MA's), (138, 39781), (142, 39766), (149, 39745), (164, 39715), (175,
39685), (205, 39610),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 104
Candidate Starts for PhinkBoden_125:
(48, 71807), (55, 71822), (Start: 76 @71867 has 31 MA's), (Start: 104 @71915 has 43 MA's), (Start:
128 @71960 has 2 MA's), (175, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 94
Candidate Starts for Phives_35:
(19, 26406), (21, 26415), (Start: 94 @26643 has 28 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 79
Candidate Starts for Phlei_47:
(Start: 79 @37907 has 125 MA's), (Start: 108 @37898 has 3 MA's), (149, 37796), (163, 37757), (164,
37754), (196, 37673),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 91
Candidate Starts for Phloss_48:
(11, 33918), (26, 34125), (27, 34158), (54, 34254), (Start: 91 @34332 has 36 MA's), (Start: 119
@34344 has 11 MA's), (Start: 121 @34350 has 11 MA's), (147, 34428), (175, 34494), (179, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 114
Candidate Starts for Phoebus_51:
(Start: 114 @44419 has 44 MA's), (168, 44551),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 79
Candidate Starts for Phonnegut_58:
(Start: 79 @38322 has 125 MA's), (Start: 108 @38313 has 3 MA's), (Start: 134 @38256 has 1 MA's),
(146, 38220), (158, 38181), (173, 38154), (180, 38142),

Gene: Phrampa_103 Start: 88629, Stop: 88877, Start Num: 107
Candidate Starts for Phrampa_103:
(Start: 107 @88629 has 28 MA's), (Start: 111 @88635 has 10 MA's), (Start: 121 @88641 has 11
MA's), (170, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 117
Candidate Starts for Phrank_70:
(64, 43370), (Start: 117 @43454 has 160 MA's), (Start: 121 @43463 has 11 MA's), (147, 43544), (171,
43598),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 104
Candidate Starts for Phrankenstein_46:
(Start: 104 @34244 has 43 MA's), (Start: 119 @34226 has 11 MA's), (Start: 121 @34220 has 11
MA's), (159, 34103), (179, 34070), (181, 34064), (201, 34004), (212, 33956),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 91

Candidate Starts for Phrann_52:

(Start: 91 @36452 has 36 MA's), (Start: 119 @36464 has 11 MA's), (175, 36614), (179, 36617), (205, 36692),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 76

Candidate Starts for PhrostyMug_62:

(Start: 76 @42644 has 31 MA's), (Start: 77 @42641 has 110 MA's), (Start: 83 @42629 has 4 MA's), (Start: 121 @42608 has 11 MA's), (138, 42557), (142, 42542), (149, 42521), (164, 42491), (175, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 113

Candidate Starts for Phrux_37:

(Start: 113 @32876 has 202 MA's), (Start: 137 @32933 has 3 MA's), (149, 32966), (151, 32972), (173, 33026), (180, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 117

Candidate Starts for Piatt_66:

(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 77

Candidate Starts for PinkPlastic_62:

(Start: 76 @41197 has 31 MA's), (Start: 77 @41194 has 110 MA's), (Start: 83 @41182 has 4 MA's), (Start: 121 @41152 has 11 MA's), (138, 41101), (142, 41086), (149, 41065), (164, 41035), (175, 41005), (205, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 75

Candidate Starts for Pinto_62:

(Start: 75 @40971 has 6 MA's), (Start: 83 @40959 has 4 MA's), (Start: 121 @40938 has 11 MA's), (138, 40887), (142, 40872), (149, 40851), (164, 40821), (175, 40791), (205, 40716),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 79

Candidate Starts for Pioneer_58:

(Start: 79 @38322 has 125 MA's), (Start: 108 @38313 has 3 MA's), (Start: 134 @38256 has 1 MA's), (146, 38220), (158, 38181), (173, 38154), (180, 38142),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 76

Candidate Starts for Pippin_62:

(Start: 76 @40576 has 31 MA's), (Start: 77 @40573 has 110 MA's), (Start: 83 @40561 has 4 MA's), (Start: 121 @40540 has 11 MA's), (138, 40489), (142, 40474), (149, 40453), (164, 40423), (175, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 100

Candidate Starts for Pippin15_52:

(Start: 100 @34099 has 5 MA's), (Start: 121 @34114 has 11 MA's), (149, 34198), (175, 34258), (177, 34261), (180, 34267), (207, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 91

Candidate Starts for Pipsqueaks_50:

(11, 34488), (26, 34695), (27, 34728), (54, 34824), (Start: 91 @34902 has 36 MA's), (Start: 119 @34914 has 11 MA's), (Start: 121 @34920 has 11 MA's), (147, 34998), (175, 35064), (179, 35067),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 76

Candidate Starts for Pita2_63:

(Start: 76 @41180 has 31 MA's), (Start: 77 @41177 has 110 MA's), (Start: 83 @41165 has 4 MA's), (Start: 121 @41135 has 11 MA's), (138, 41084), (142, 41069), (149, 41048), (164, 41018), (175, 40988),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 108

Candidate Starts for Pitbull_58:

(70, 33298), (Start: 108 @33370 has 3 MA's), (173, 33526), (175, 33532), (180, 33541), (197, 33598),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 95

Candidate Starts for Pixelle_33:

(Start: 95 @26398 has 6 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 113

Candidate Starts for Pixie_67:

(Start: 113 @43623 has 202 MA's), (Start: 128 @43656 has 2 MA's), (147, 43713), (156, 43740), (172, 43773), (179, 43785),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 117

Candidate Starts for Pokerus_66:

(Start: 117 @43964 has 160 MA's), (147, 44054), (188, 44150), (196, 44174),

Gene: Policronamos_38 Start: 33161, Stop: 33406, Start Num: 113

Candidate Starts for Policronamos_38:

(Start: 113 @33161 has 202 MA's), (Start: 137 @33218 has 3 MA's), (149, 33251), (151, 33257), (173, 33311), (180, 33323),

Gene: Pollywog_85 Start: 50811, Stop: 51077, Start Num: 75

Candidate Starts for Pollywog_85:

(Start: 75 @50811 has 6 MA's), (Start: 83 @50823 has 4 MA's), (Start: 121 @50844 has 11 MA's), (138, 50895), (142, 50910), (149, 50931), (156, 50952), (164, 50961), (175, 50991), (205, 51066),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 79

Candidate Starts for Pomar16_60:

(Start: 79 @38309 has 125 MA's), (Start: 108 @38300 has 3 MA's), (146, 38207), (180, 38129), (196, 38075),

Gene: Pochiewood_30 Start: 27690, Stop: 27959, Start Num: 113

Candidate Starts for Pochiewood_30:

(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 121

Candidate Starts for Porcelain_50:

(Start: 121 @40623 has 11 MA's), (Start: 129 @40650 has 1 MA's), (147, 40704), (149, 40707), (175, 40764), (188, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 113

Candidate Starts for Porky_37:

(Start: 113 @32972 has 202 MA's), (Start: 137 @33029 has 3 MA's), (149, 33062), (151, 33068), (173, 33122), (180, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 114

Candidate Starts for Pound_54:

(Start: 114 @45996 has 44 MA's), (168, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 79

Candidate Starts for Power_57:

(Start: 79 @38477 has 125 MA's), (Start: 108 @38468 has 3 MA's), (Start: 119 @38456 has 11 MA's),
(Start: 121 @38450 has 11 MA's), (163, 38327),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 94

Candidate Starts for Powerpuff_35:

(Start: 94 @25868 has 28 MA's), (179, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 117

Candidate Starts for Prithvi_68:

(Start: 117 @44110 has 160 MA's), (147, 44200), (188, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 79

Candidate Starts for Priya_58:

(Start: 79 @38292 has 125 MA's), (Start: 108 @38283 has 3 MA's), (Start: 134 @38226 has 1 MA's),
(146, 38190), (158, 38151), (173, 38124), (180, 38112),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 117

Candidate Starts for Psycho_60:

(Start: 117 @41080 has 160 MA's), (142, 41155), (172, 41227),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 107

Candidate Starts for Pumpernickel_201:

(Start: 107 @115898 has 28 MA's), (170, 115754), (177, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 113

Candidate Starts for Pumpkin_39:

(Start: 113 @33212 has 202 MA's), (Start: 137 @33269 has 3 MA's), (149, 33302), (151, 33308), (173,
33362), (180, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 94

Candidate Starts for Pumpkins_33:

(Start: 94 @25496 has 28 MA's), (179, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 114

Candidate Starts for Pupper_77:

(Start: 114 @28936 has 44 MA's), (Start: 131 @28984 has 6 MA's), (177, 29104), (197, 29164),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 91

Candidate Starts for Purgamenstris_55:

(Start: 91 @36173 has 36 MA's), (Start: 119 @36185 has 11 MA's), (175, 36335), (179, 36338), (205,
36413),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 77

Candidate Starts for QTRlifeCrisis_62:

(Start: 76 @41521 has 31 MA's), (Start: 77 @41518 has 110 MA's), (Start: 83 @41506 has 4 MA's),
(Start: 121 @41476 has 11 MA's), (138, 41425), (142, 41410), (149, 41389), (164, 41359), (175,
41329),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 79

Candidate Starts for Qobbit_58:

(Start: 79 @38254 has 125 MA's), (Start: 108 @38245 has 3 MA's), (Start: 134 @38188 has 1 MA's), (146, 38152), (158, 38113), (173, 38086), (180, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 113

Candidate Starts for Quallification_38:

(Start: 113 @33341 has 202 MA's), (Start: 137 @33398 has 3 MA's), (149, 33431), (151, 33437), (173, 33491), (180, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 131

Candidate Starts for Quby_30:

(Start: 113 @27473 has 202 MA's), (Start: 131 @27518 has 6 MA's), (147, 27566), (180, 27632),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 79

Candidate Starts for QueenB2_57:

(Start: 79 @38455 has 125 MA's), (Start: 108 @38446 has 3 MA's), (Start: 119 @38434 has 11 MA's), (Start: 121 @38428 has 11 MA's), (163, 38305), (180, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 79

Candidate Starts for QueenBeesly_58:

(Start: 79 @38424 has 125 MA's), (Start: 108 @38415 has 3 MA's), (Start: 119 @38403 has 11 MA's), (Start: 121 @38397 has 11 MA's), (163, 38274),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 117

Candidate Starts for QuincyRose_64:

(Start: 117 @43845 has 160 MA's), (147, 43935), (188, 44031), (196, 44055),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 79

Candidate Starts for Quokka_56:

(Start: 79 @37421 has 125 MA's), (Start: 119 @37400 has 11 MA's), (Start: 121 @37394 has 11 MA's), (163, 37271), (168, 37259),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 104

Candidate Starts for RER2_39:

(Start: 104 @31170 has 43 MA's), (Start: 119 @31152 has 11 MA's), (Start: 121 @31146 has 11 MA's), (159, 31029), (179, 30996), (181, 30990), (201, 30930), (212, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 104

Candidate Starts for RGL3_40:

(35, 32253), (Start: 104 @32103 has 43 MA's), (Start: 119 @32085 has 11 MA's), (120, 32082), (158, 31965), (175, 31932), (179, 31929),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 95

Candidate Starts for Rabbitrun_113:

(Start: 95 @64952 has 6 MA's), (Start: 119 @64979 has 11 MA's), (133, 65036), (144, 65069), (146, 65075), (147, 65078), (164, 65114), (175, 65144), (177, 65150), (187, 65180), (189, 65189),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 107

Candidate Starts for Racecar_109:

(Start: 107 @87140 has 28 MA's), (Start: 111 @87146 has 10 MA's), (Start: 121 @87152 has 11 MA's),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 79

Candidate Starts for Rachaly_57:

(Start: 79 @38723 has 125 MA's), (Start: 121 @38696 has 11 MA's), (163, 38573), (180, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 79

Candidate Starts for Rahalelujah_58:

(Start: 79 @37998 has 125 MA's), (Start: 108 @37989 has 3 MA's), (Start: 134 @37932 has 1 MA's), (146, 37896), (163, 37848),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 77

Candidate Starts for Rajelicia_62:

(Start: 76 @42809 has 31 MA's), (Start: 77 @42806 has 110 MA's), (Start: 83 @42794 has 4 MA's), (Start: 121 @42764 has 11 MA's), (138, 42713), (142, 42698), (149, 42677), (164, 42647), (175, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 113

Candidate Starts for Rakim_38:

(Start: 113 @33241 has 202 MA's), (Start: 137 @33298 has 3 MA's), (149, 33331), (151, 33337), (173, 33391), (180, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 117

Candidate Starts for Ramen_67:

(Start: 117 @43469 has 160 MA's), (147, 43559), (188, 43655), (196, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 117

Candidate Starts for Rando14_62:

(Start: 117 @40667 has 160 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 117

Candidate Starts for Rapunzel97_68:

(Start: 117 @43920 has 160 MA's), (147, 44010), (188, 44106), (196, 44130),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 104

Candidate Starts for Rasputin_46:

(Start: 104 @34268 has 43 MA's), (Start: 119 @34250 has 11 MA's), (Start: 121 @34244 has 11 MA's), (159, 34127), (179, 34094), (181, 34088), (201, 34028), (212, 33980),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 91

Candidate Starts for Raymond7_49:

(Start: 91 @35961 has 36 MA's), (Start: 119 @35973 has 11 MA's), (175, 36123), (179, 36126), (205, 36201),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 103

Candidate Starts for ReMo_62:

(7, 37884), (10, 37860), (13, 37782), (Start: 103 @37440 has 22 MA's), (180, 37263),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 91

Candidate Starts for Redi_55:

(Start: 91 @36172 has 36 MA's), (Start: 119 @36184 has 11 MA's), (175, 36334), (179, 36337), (205, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 114

Candidate Starts for Redno2_50:

(Start: 114 @41183 has 44 MA's), (138, 41246), (147, 41276), (149, 41279), (179, 41339), (180, 41342), (181, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 99

Candidate Starts for Reedo_32:

(16, 22766), (22, 22862), (24, 22871), (32, 22946), (Start: 99 @23099 has 1 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 79

Candidate Starts for Refuge_56:

(62, 39569), (Start: 79 @39539 has 125 MA's), (146, 39437), (163, 39389), (173, 39371), (180, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 107

Candidate Starts for ReginaGlobina_107:

(Start: 107 @86858 has 28 MA's), (187, 87047),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 96

Candidate Starts for Reindeer_39:

(Start: 96 @33229 has 21 MA's), (Start: 113 @33247 has 202 MA's), (138, 33310), (142, 33325), (172, 33397), (175, 33406), (179, 33409), (181, 33415),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 103

Candidate Starts for Remus_64:

(7, 37890), (10, 37866), (13, 37788), (Start: 103 @37446 has 22 MA's), (180, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 79

Candidate Starts for Retro23_59:

(Start: 79 @38669 has 125 MA's), (Start: 108 @38660 has 3 MA's), (Start: 119 @38648 has 11 MA's), (Start: 121 @38642 has 11 MA's), (163, 38519), (180, 38489),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 104

Candidate Starts for RexFury_45:

(Start: 104 @34329 has 43 MA's), (Start: 119 @34311 has 11 MA's), (Start: 121 @34305 has 11 MA's), (159, 34188), (179, 34155), (181, 34149), (201, 34089), (212, 34041),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 112

Candidate Starts for Rey_44:

(Start: 112 @34155 has 4 MA's), (147, 34248), (170, 34299), (171, 34302), (175, 34314),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 104

Candidate Starts for Rhodalysa_46:

(Start: 104 @34298 has 43 MA's), (Start: 119 @34280 has 11 MA's), (Start: 121 @34274 has 11 MA's), (159, 34157), (179, 34124), (181, 34118), (201, 34058), (212, 34010),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 76

Candidate Starts for Rhynn_60:

(36, 40845), (37, 40842), (51, 40797), (60, 40779), (Start: 76 @40743 has 31 MA's), (Start: 77 @40740 has 110 MA's), (Start: 83 @40728 has 4 MA's), (Start: 121 @40707 has 11 MA's), (138, 40656), (142, 40641), (149, 40620), (164, 40590), (175, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 117

Candidate Starts for Richo_69:

(Start: 117 @44123 has 160 MA's), (147, 44213), (164, 44249), (171, 44267), (196, 44330),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 75

Candidate Starts for RidgeCB_61:

(Start: 75 @40947 has 6 MA's), (Start: 83 @40935 has 4 MA's), (Start: 121 @40914 has 11 MA's), (138, 40863), (142, 40848), (149, 40827), (164, 40797), (175, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 113

Candidate Starts for Rimmer_36:

(Start: 113 @32701 has 202 MA's), (Start: 137 @32758 has 3 MA's), (149, 32791), (151, 32797), (173, 32851), (180, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 93

Candidate Starts for Ringer_62:

(42, 42357), (Start: 93 @42252 has 4 MA's), (138, 42183), (142, 42168), (149, 42147), (164, 42117), (175, 42087), (205, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 107

Candidate Starts for Riparian_40:

(Start: 80 @35814 has 3 MA's), (Start: 107 @35856 has 28 MA's), (Start: 121 @35877 has 11 MA's), (Start: 128 @35898 has 2 MA's), (Start: 137 @35922 has 3 MA's), (138, 35925), (171, 36024), (172, 36027), (173, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 113

Candidate Starts for RiverMonster_37:

(Start: 113 @32890 has 202 MA's), (Start: 137 @32947 has 3 MA's), (149, 32980), (151, 32986), (173, 33040), (180, 33052),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 107

Candidate Starts for Rockabye_113:

(Start: 75 @80295 has 6 MA's), (Start: 107 @80343 has 28 MA's), (145, 80433), (177, 80502),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 107

Candidate Starts for Rope_40:

(Start: 80 @35994 has 3 MA's), (Start: 107 @36036 has 28 MA's), (Start: 121 @36057 has 11 MA's), (Start: 128 @36078 has 2 MA's), (Start: 137 @36102 has 3 MA's), (138, 36105), (171, 36204), (172, 36207), (173, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 103

Candidate Starts for Rosalind_62:

(7, 38042), (10, 38018), (13, 37940), (Start: 103 @37598 has 22 MA's), (180, 37421),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 113

Candidate Starts for Rose5_30:

(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 117

Candidate Starts for Rosmarinus_66:

(Start: 117 @43610 has 160 MA's), (147, 43700), (188, 43796), (196, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 91

Candidate Starts for Rubeelu_53:

(27, 35339), (54, 35435), (Start: 91 @35513 has 36 MA's), (Start: 119 @35525 has 11 MA's), (147, 35609), (175, 35675), (179, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 83

Candidate Starts for Rubeus_60:

(Start: 75 @38764 has 6 MA's), (Start: 83 @38752 has 4 MA's), (Start: 121 @38731 has 11 MA's), (138, 38680), (142, 38665), (149, 38644), (164, 38614), (175, 38584), (205, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 75

Candidate Starts for Rufus_63:

(Start: 75 @41448 has 6 MA's), (Start: 83 @41436 has 4 MA's), (Start: 121 @41415 has 11 MA's), (138, 41364), (142, 41349), (149, 41328), (164, 41298), (175, 41268), (205, 41193),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 131

Candidate Starts for Rumpelstiltskin_32:

(Start: 113 @28690 has 202 MA's), (Start: 131 @28735 has 6 MA's), (149, 28786), (181, 28852), (205, 28924), (211, 28945),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 85

Candidate Starts for Ruotula_64:

(Start: 85 @42952 has 10 MA's), (Start: 119 @42934 has 11 MA's), (Start: 121 @42928 has 11 MA's), (138, 42877), (142, 42862), (149, 42841), (164, 42811), (175, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 76

Candidate Starts for Rutherferd_64:

(36, 42661), (37, 42658), (51, 42613), (60, 42595), (Start: 76 @42559 has 31 MA's), (Start: 77 @42556 has 110 MA's), (Start: 83 @42544 has 4 MA's), (Start: 121 @42523 has 11 MA's), (138, 42472), (142, 42457), (149, 42436), (164, 42406), (175, 42376),

Gene: RyeScarlet_59 Start: 38297, Stop: 38025, Start Num: 79

Candidate Starts for RyeScarlet_59:

(Start: 79 @38297 has 125 MA's), (Start: 108 @38288 has 3 MA's), (Start: 134 @38231 has 1 MA's), (146, 38195), (158, 38156), (173, 38129), (180, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 114

Candidate Starts for SCentae_76:

(Start: 114 @28691 has 44 MA's), (Start: 131 @28739 has 6 MA's), (177, 28859), (197, 28919),

Gene: SJReid_115 Start: 79391, Stop: 79633, Start Num: 107

Candidate Starts for SJReid_115:

(Start: 107 @79391 has 28 MA's), (170, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 93

Candidate Starts for STLscum_70:

(42, 43325), (Start: 93 @43220 has 4 MA's), (138, 43151), (142, 43136), (149, 43115), (164, 43085), (175, 43055), (205, 42980),

Gene: Sachima_55 Start: 38207, Stop: 37935, Start Num: 79

Candidate Starts for Sachima_55:

(Start: 79 @38207 has 125 MA's), (Start: 108 @38198 has 3 MA's), (Start: 134 @38141 has 1 MA's), (146, 38105), (158, 38066), (173, 38039), (180, 38027),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 77

Candidate Starts for Sagefire_64:

(Start: 76 @42830 has 31 MA's), (Start: 77 @42827 has 110 MA's), (Start: 83 @42815 has 4 MA's), (Start: 121 @42794 has 11 MA's), (138, 42743), (142, 42728), (149, 42707), (164, 42677), (175,

42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 113

Candidate Starts for Saints25_38:

(Start: 113 @32793 has 202 MA's), (Start: 137 @32850 has 3 MA's), (149, 32883), (151, 32889), (173, 32943), (180, 32955),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 79

Candidate Starts for Salz_56:

(Start: 79 @37305 has 125 MA's), (Start: 108 @37296 has 3 MA's), (180, 37125),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 113

Candidate Starts for Samty_31:

(Start: 113 @28787 has 202 MA's), (Start: 121 @28799 has 11 MA's), (Start: 131 @28832 has 6 MA's),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 117

Candidate Starts for SamuelLPlaqson_67:

(Start: 117 @44362 has 160 MA's), (147, 44452), (188, 44548), (196, 44572),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 85

Candidate Starts for Sandaddy_58:

(Start: 85 @40699 has 10 MA's), (Start: 119 @40681 has 11 MA's), (Start: 121 @40675 has 11 MA's), (138, 40624), (142, 40609), (149, 40588), (164, 40558), (175, 40528), (205, 40453),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 121

Candidate Starts for Sanya_57:

(Start: 75 @42007 has 6 MA's), (Start: 83 @41995 has 4 MA's), (Start: 121 @41974 has 11 MA's), (138, 41923), (142, 41908), (149, 41887), (164, 41857), (175, 41827), (205, 41752),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 76

Candidate Starts for SarFire_61:

(Start: 76 @41167 has 31 MA's), (Start: 77 @41164 has 110 MA's), (Start: 83 @41152 has 4 MA's), (Start: 95 @41137 has 6 MA's), (Start: 121 @41131 has 11 MA's), (138, 41080), (142, 41065), (149, 41044), (164, 41014), (175, 40984), (205, 40909),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 131

Candidate Starts for Sarshaun_32:

(Start: 113 @28455 has 202 MA's), (Start: 131 @28500 has 6 MA's), (149, 28551), (181, 28617), (205, 28689), (211, 28710),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 113

Candidate Starts for Sassay_36:

(Start: 113 @32639 has 202 MA's), (Start: 137 @32696 has 3 MA's), (149, 32729), (151, 32735), (173, 32789), (180, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 117

Candidate Starts for Scarlett_71:

(Start: 117 @44528 has 160 MA's), (156, 44645), (172, 44663),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 114

Candidate Starts for Schatzie_49:

(Start: 114 @43187 has 44 MA's), (138, 43250), (147, 43280), (149, 43283), (179, 43343), (180, 43346), (181, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 79

Candidate Starts for Scherzo_58:

(Start: 79 @38511 has 125 MA's), (Start: 108 @38502 has 3 MA's), (Start: 134 @38445 has 1 MA's), (146, 38409), (158, 38370), (173, 38343), (180, 38331),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 117

Candidate Starts for Schmidt_57:

(45, 36481), (Start: 117 @36601 has 160 MA's), (132, 36643), (138, 36658), (145, 36682), (149, 36694), (173, 36763), (179, 36772), (203, 36832),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 91

Candidate Starts for Schnauzer_51:

(11, 34511), (26, 34718), (27, 34751), (54, 34847), (Start: 91 @34925 has 36 MA's), (Start: 119 @34937 has 11 MA's), (Start: 121 @34943 has 11 MA's), (147, 35021), (175, 35087), (179, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 117

Candidate Starts for ScoobyDoobyDoo_73:

(Start: 117 @26882 has 160 MA's), (136, 26933), (159, 27005), (168, 27023), (173, 27029), (175, 27035), (188, 27071),

Gene: Scowl_63 Start: 41099, Stop: 40830, Start Num: 76

Candidate Starts for Scowl_63:

(Start: 76 @41099 has 31 MA's), (Start: 77 @41096 has 110 MA's), (Start: 83 @41084 has 4 MA's), (Start: 121 @41060 has 11 MA's), (Start: 137 @41015 has 3 MA's), (142, 40997), (164, 40946), (205, 40841),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 79

Candidate Starts for SemperFi_59:

(Start: 79 @38692 has 125 MA's), (Start: 108 @38683 has 3 MA's), (Start: 119 @38671 has 11 MA's), (Start: 121 @38665 has 11 MA's), (163, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 107

Candidate Starts for Send513_40:

(Start: 80 @36350 has 3 MA's), (Start: 107 @36392 has 28 MA's), (Start: 121 @36413 has 11 MA's), (Start: 128 @36434 has 2 MA's), (138, 36461), (171, 36560), (172, 36563), (173, 36566), (191, 36617),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 119

Candidate Starts for Sephiroth_110:

(Start: 119 @62771 has 11 MA's), (124, 62786), (142, 62849), (146, 62861), (156, 62891), (164, 62900), (176, 62933), (189, 62975),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 112

Candidate Starts for Serenabean_52:

(Start: 112 @34263 has 4 MA's), (138, 34326), (170, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 79

Candidate Starts for Serenity_58:

(44, 37700), (47, 37688), (Start: 79 @37628 has 125 MA's), (Start: 119 @37607 has 11 MA's), (Start: 121 @37601 has 11 MA's), (163, 37478), (168, 37466),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 117
Candidate Starts for SgtBeansprout_56:
(61, 40869), (Start: 117 @40941 has 160 MA's), (152, 41046), (172, 41088), (188, 41124),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 117
Candidate Starts for Shadow1_71:
(64, 43820), (Start: 117 @43904 has 160 MA's), (Start: 121 @43913 has 11 MA's), (147, 43994), (171, 44048), (179, 44063),

Gene: Shaffner_34 Start: 25723, Stop: 25989, Start Num: 94
Candidate Starts for Shaffner_34:
(19, 25465), (25, 25501), (Start: 94 @25723 has 28 MA's), (179, 25906),

Gene: ShakeltOph_41 Start: 26463, Stop: 26750, Start Num: 107
Candidate Starts for ShakeltOph_41:
(Start: 107 @26463 has 28 MA's), (179, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 79
Candidate Starts for Sham4_57:
(Start: 79 @37333 has 125 MA's), (Start: 108 @37324 has 3 MA's), (180, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 113
Candidate Starts for ShamWow_37:
(Start: 113 @33135 has 202 MA's), (Start: 137 @33192 has 3 MA's), (149, 33225), (151, 33231), (173, 33285), (180, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 117
Candidate Starts for Shaobing_69:
(Start: 117 @44159 has 160 MA's), (147, 44249), (164, 44285), (171, 44303), (196, 44366),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 103
Candidate Starts for ShayRa_64:
(7, 38071), (13, 37969), (Start: 103 @37627 has 22 MA's), (180, 37450),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 114
Candidate Starts for Shayna_36:
(Start: 114 @24764 has 44 MA's), (133, 24809),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 79
Candidate Starts for SheaKeira_56:
(Start: 79 @37935 has 125 MA's), (Start: 108 @37926 has 3 MA's), (Start: 119 @37914 has 11 MA's),
(Start: 134 @37869 has 1 MA's), (146, 37833), (153, 37812), (163, 37785), (167, 37776), (175, 37761),
(193, 37710), (202, 37689),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 113
Candidate Starts for ShedlockHolmes_69:
(Start: 113 @44136 has 202 MA's), (Start: 128 @44169 has 2 MA's), (147, 44226), (172, 44286), (179, 44298),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 131
Candidate Starts for Sheng711_30:
(Start: 113 @27579 has 202 MA's), (Start: 131 @27624 has 6 MA's), (180, 27738),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 137
Candidate Starts for ShereKhan_39:
(Start: 113 @34118 has 202 MA's), (Start: 137 @34175 has 3 MA's), (149, 34208), (151, 34214), (173, 34268), (180, 34280),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 117
Candidate Starts for ShiaSurprise_67:
(Start: 117 @43819 has 160 MA's), (147, 43909), (188, 44005), (196, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 77
Candidate Starts for ShortQueendom_54:
(Start: 76 @38809 has 31 MA's), (Start: 77 @38806 has 110 MA's), (Start: 83 @38794 has 4 MA's), (138, 38713), (142, 38698), (149, 38677), (164, 38647), (175, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 91
Candidate Starts for ShrimpFriedEgg_55:
(Start: 91 @36172 has 36 MA's), (Start: 119 @36184 has 11 MA's), (175, 36334), (179, 36337), (205, 36412),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 104
Candidate Starts for Shuman_46:
(Start: 104 @34243 has 43 MA's), (Start: 119 @34225 has 11 MA's), (Start: 121 @34219 has 11 MA's), (159, 34102), (179, 34069), (181, 34063), (201, 34003), (212, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 88
Candidate Starts for Shweta_51:
(Start: 88 @35498 has 2 MA's), (Start: 119 @35510 has 11 MA's), (Start: 121 @35516 has 11 MA's), (143, 35582), (166, 35627), (179, 35657),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 91
Candidate Starts for Silvafighter_51:
(11, 34484), (26, 34691), (27, 34724), (54, 34820), (Start: 91 @34898 has 36 MA's), (Start: 119 @34910 has 11 MA's), (Start: 121 @34916 has 11 MA's), (147, 34994), (175, 35060), (179, 35063),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 113
Candidate Starts for Silverleaf_30:
(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 113
Candidate Starts for Simpliphy_38:
(Start: 113 @32880 has 202 MA's), (Start: 137 @32937 has 3 MA's), (149, 32970), (151, 32976), (173, 33030), (180, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 94
Candidate Starts for Simpson_35:
(19, 24497), (Start: 94 @24755 has 28 MA's), (179, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 113
Candidate Starts for SirDuracell_36:
(Start: 113 @31800 has 202 MA's), (Start: 137 @31857 has 3 MA's), (149, 31890), (151, 31896), (168, 31944), (173, 31950), (180, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 117

Candidate Starts for SirPhilip_66:

(Start: 117 @44298 has 160 MA's), (147, 44388), (163, 44424), (171, 44442), (175, 44454),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 96

Candidate Starts for Skinny_40:

(45, 33080), (Start: 96 @33191 has 21 MA's), (Start: 113 @33209 has 202 MA's), (138, 33272), (172, 33359), (175, 33368), (181, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 114

Candidate Starts for Skog_140:

(Start: 114 @57999 has 44 MA's), (Start: 131 @58047 has 6 MA's), (142, 58080), (177, 58167),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 77

Candidate Starts for Slagathor_64:

(Start: 76 @43195 has 31 MA's), (Start: 77 @43192 has 110 MA's), (Start: 83 @43180 has 4 MA's), (Start: 119 @43165 has 11 MA's), (Start: 121 @43159 has 11 MA's), (138, 43108), (142, 43093), (149, 43072), (164, 43042), (175, 43012),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 113

Candidate Starts for SlimJimmy_38:

(45, 32634), (Start: 96 @32745 has 21 MA's), (Start: 113 @32763 has 202 MA's), (138, 32826), (172, 32913), (175, 32922), (181, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 117

Candidate Starts for Slimphazie_67:

(Start: 117 @43920 has 160 MA's), (147, 44010), (188, 44106), (196, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 77

Candidate Starts for Smairt_64:

(Start: 76 @43638 has 31 MA's), (Start: 77 @43635 has 110 MA's), (Start: 83 @43623 has 4 MA's), (Start: 121 @43602 has 11 MA's), (138, 43551), (142, 43536), (149, 43515), (164, 43485), (175, 43455),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 79

Candidate Starts for Smeagan_61:

(Start: 79 @38985 has 125 MA's), (Start: 108 @38976 has 3 MA's), (Start: 119 @38964 has 11 MA's), (Start: 121 @38958 has 11 MA's), (163, 38835),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 77

Candidate Starts for Smeagol_64:

(Start: 77 @43015 has 110 MA's), (Start: 83 @43003 has 4 MA's), (Start: 121 @42982 has 11 MA's), (138, 42931), (142, 42916), (149, 42895), (164, 42865), (175, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 101

Candidate Starts for Smoothie_126:

(Start: 101 @71628 has 14 MA's), (Start: 128 @71676 has 2 MA's), (175, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 91

Candidate Starts for Smurph_50:

(11, 34511), (26, 34718), (27, 34751), (54, 34847), (Start: 91 @34925 has 36 MA's), (Start: 119 @34937 has 11 MA's), (Start: 121 @34943 has 11 MA's), (147, 35021), (175, 35087), (179, 35090),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 79

Candidate Starts for SnapTap_58:

(Start: 79 @38503 has 125 MA's), (Start: 108 @38494 has 3 MA's), (Start: 119 @38482 has 11 MA's), (Start: 121 @38476 has 11 MA's), (163, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 79

Candidate Starts for Snape_57:

(Start: 79 @37325 has 125 MA's), (Start: 108 @37316 has 3 MA's), (180, 37145),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 77

Candidate Starts for Snazzy_60:

(Start: 76 @40265 has 31 MA's), (Start: 77 @40262 has 110 MA's), (Start: 83 @40250 has 4 MA's), (138, 40169), (142, 40154), (149, 40133), (164, 40103), (175, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 80

Candidate Starts for Snek_33:

(22, 23421), (24, 23430), (Start: 80 @23631 has 3 MA's), (179, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 91

Candidate Starts for Snekmaggedon_49:

(Start: 91 @34464 has 36 MA's), (Start: 119 @34476 has 11 MA's), (175, 34626), (179, 34629), (205, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 113

Candidate Starts for Snenia_31:

(Start: 113 @28785 has 202 MA's), (Start: 121 @28797 has 11 MA's), (Start: 131 @28830 has 6 MA's),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 117

Candidate Starts for SoSeph_61:

(Start: 117 @42799 has 160 MA's), (142, 42874), (172, 42946), (185, 42970),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 131

Candidate Starts for Soap141_32:

(Start: 113 @28455 has 202 MA's), (Start: 131 @28500 has 6 MA's), (149, 28551), (181, 28617), (205, 28689), (211, 28710),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 77

Candidate Starts for Solon_61:

(Start: 76 @40841 has 31 MA's), (Start: 77 @40838 has 110 MA's), (Start: 83 @40826 has 4 MA's), (Start: 121 @40796 has 11 MA's), (138, 40745), (142, 40730), (149, 40709), (164, 40679), (175, 40649), (205, 40574),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 96

Candidate Starts for Sooty_31:

(Start: 96 @22496 has 21 MA's), (Start: 107 @22505 has 28 MA's), (Start: 111 @22511 has 10 MA's), (140, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 113

Candidate Starts for SophKB_37:

(Start: 113 @33134 has 202 MA's), (Start: 137 @33191 has 3 MA's), (149, 33224), (151, 33230), (173, 33284), (180, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 85

Candidate Starts for Sorpresa_59:

(Start: 85 @40701 has 10 MA's), (Start: 119 @40683 has 11 MA's), (Start: 121 @40677 has 11 MA's), (138, 40626), (142, 40611), (149, 40590), (164, 40560), (175, 40530), (205, 40455),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 113

Candidate Starts for Sotrice96_37:

(Start: 113 @33089 has 202 MA's), (Start: 137 @33146 has 3 MA's), (149, 33179), (151, 33185), (173, 33239), (180, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 103

Candidate Starts for Soups_64:

(7, 38334), (13, 38232), (Start: 103 @37890 has 22 MA's), (180, 37713),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 96

Candidate Starts for SpecialK_31:

(Start: 96 @22493 has 21 MA's), (Start: 111 @22508 has 10 MA's), (140, 22571), (189, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 101

Candidate Starts for SpeedDemon_860:

(Start: 101 @59302 has 14 MA's), (126, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 77

Candidate Starts for SpikeBT_60:

(Start: 76 @40907 has 31 MA's), (Start: 77 @40904 has 110 MA's), (Start: 83 @40892 has 4 MA's), (Start: 121 @40871 has 11 MA's), (138, 40820), (142, 40805), (149, 40784), (164, 40754), (175, 40724), (205, 40649),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 113

Candidate Starts for Splinter_63:

(Start: 113 @40094 has 202 MA's), (132, 40136), (147, 40181), (150, 40190), (173, 40241), (179, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 117

Candidate Starts for Spock_66:

(Start: 117 @43623 has 160 MA's), (147, 43713), (188, 43809), (196, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 91

Candidate Starts for SpongeBob_49:

(Start: 91 @34464 has 36 MA's), (Start: 119 @34476 has 11 MA's), (175, 34626), (179, 34629), (205, 34704),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 79

Candidate Starts for Spouty_58:

(Start: 79 @38291 has 125 MA's), (Start: 108 @38282 has 3 MA's), (Start: 134 @38225 has 1 MA's), (146, 38189), (158, 38150), (173, 38123), (180, 38111),

Gene: Squee_63 Start: 41158, Stop: 40892, Start Num: 77

Candidate Starts for Squee_63:

(Start: 76 @41161 has 31 MA's), (Start: 77 @41158 has 110 MA's), (Start: 83 @41146 has 4 MA's), (Start: 121 @41125 has 11 MA's), (142, 41059), (149, 41038), (156, 41017), (164, 41008), (175, 40978), (205, 40903),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 129

Candidate Starts for Squint_50:

(Start: 121 @40742 has 11 MA's), (Start: 129 @40769 has 1 MA's), (147, 40823), (149, 40826), (175, 40883), (188, 40919),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 104

Candidate Starts for StCroix_45:

(Start: 104 @34311 has 43 MA's), (Start: 119 @34293 has 11 MA's), (Start: 121 @34287 has 11 MA's), (159, 34170), (179, 34137), (181, 34131), (201, 34071), (212, 34023),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 113

Candidate Starts for Stank_40:

(Start: 113 @33641 has 202 MA's), (Start: 137 @33698 has 3 MA's), (149, 33731), (151, 33737), (173, 33791), (180, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 79

Candidate Starts for StarStuff_60:

(Start: 79 @38271 has 125 MA's), (Start: 108 @38262 has 3 MA's), (146, 38169), (180, 38091), (196, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 113

Candidate Starts for Stark_38:

(Start: 113 @32893 has 202 MA's), (Start: 137 @32950 has 3 MA's), (149, 32983), (151, 32989), (173, 33043), (180, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 79

Candidate Starts for Steamy_54:

(23, 38204), (Start: 79 @38003 has 125 MA's), (Start: 108 @37994 has 3 MA's), (Start: 121 @37976 has 11 MA's), (133, 37940), (146, 37901), (163, 37853), (173, 37835), (182, 37814), (183, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 113

Candidate Starts for StellaBean_37:

(Start: 113 @33134 has 202 MA's), (Start: 137 @33191 has 3 MA's), (149, 33224), (151, 33230), (173, 33284), (180, 33296),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 77

Candidate Starts for StewieG_57:

(Start: 76 @37648 has 31 MA's), (Start: 77 @37645 has 110 MA's), (Start: 83 @37633 has 4 MA's), (Start: 121 @37612 has 11 MA's), (138, 37561), (142, 37546), (149, 37525), (164, 37495),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 117

Candidate Starts for Stinson_68:

(Start: 117 @44248 has 160 MA's), (147, 44338), (188, 44434), (196, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for StolenFromERC_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 117

Candidate Starts for Strobilo_70:

(61, 46005), (Start: 117 @46068 has 160 MA's), (147, 46158), (179, 46227),

Gene: StrongArm_60 Start: 42040, Stop: 41774, Start Num: 77

Candidate Starts for StrongArm_60:

(Start: 76 @42043 has 31 MA's), (Start: 77 @42040 has 110 MA's), (Start: 83 @42028 has 4 MA's), (Start: 121 @42004 has 11 MA's), (Start: 137 @41959 has 3 MA's), (142, 41941), (164, 41890), (205, 41785),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 103

Candidate Starts for Strosahl_64:

(7, 37890), (10, 37866), (13, 37788), (Start: 103 @37446 has 22 MA's), (180, 37269),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 107

Candidate Starts for SuMoo_44:

(31, 27691), (41, 27730), (43, 27733), (Start: 107 @27844 has 28 MA's), (132, 27898), (143, 27931), (181, 28012), (194, 28057),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 94

Candidate Starts for Sue2_34:

(22, 25137), (24, 25146), (32, 25221), (Start: 94 @25374 has 28 MA's), (179, 25557), (202, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 117

Candidate Starts for Sulley_66:

(Start: 117 @43683 has 160 MA's), (147, 43773), (188, 43869), (196, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 77

Candidate Starts for Sumter_58:

(Start: 76 @41281 has 31 MA's), (Start: 77 @41278 has 110 MA's), (Start: 83 @41266 has 4 MA's), (Start: 95 @41251 has 6 MA's), (Start: 121 @41245 has 11 MA's), (138, 41194), (142, 41179), (149, 41158), (164, 41128), (175, 41098), (205, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 117

Candidate Starts for Sunflower1121_72:

(64, 43966), (Start: 117 @44050 has 160 MA's), (Start: 121 @44059 has 11 MA's), (147, 44140), (171, 44194), (179, 44209),

Gene: SunnyD_36 Start: 24766, Stop: 24996, Start Num: 114

Candidate Starts for SunnyD_36:

(Start: 114 @24766 has 44 MA's), (133, 24811),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 77

Candidate Starts for Sunshine924_67:

(Start: 76 @41914 has 31 MA's), (Start: 77 @41911 has 110 MA's), (Start: 83 @41899 has 4 MA's), (Start: 121 @41878 has 11 MA's), (142, 41812), (149, 41791), (164, 41761), (175, 41731), (205, 41656),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 79

Candidate Starts for Superchunk_56:

(Start: 79 @36944 has 125 MA's), (Start: 121 @36917 has 11 MA's), (163, 36794), (168, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 121

Candidate Starts for Superphikiman_51:

(Start: 121 @40814 has 11 MA's), (Start: 129 @40841 has 1 MA's), (147, 40895), (149, 40898), (175, 40955), (188, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 104

Candidate Starts for Swann_46:

(Start: 104 @34296 has 43 MA's), (Start: 119 @34278 has 11 MA's), (Start: 121 @34272 has 11 MA's), (159, 34155), (179, 34122), (181, 34116), (201, 34056), (212, 34008),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 79

Candidate Starts for SweetiePie_58:

(Start: 79 @38635 has 125 MA's), (Start: 108 @38626 has 3 MA's), (Start: 119 @38614 has 11 MA's), (Start: 121 @38608 has 11 MA's),

Gene: SwirlSquare_63 Start: 37866, Stop: 37594, Start Num: 79

Candidate Starts for SwirlSquare_63:

(Start: 79 @37866 has 125 MA's), (Start: 121 @37839 has 11 MA's), (138, 37791), (156, 37734), (180, 37686), (185, 37668),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 103

Candidate Starts for Switzerland_63:

(7, 38210), (13, 38108), (Start: 103 @37766 has 22 MA's), (180, 37589),

Gene: Swole_63 Start: 41087, Stop: 40812, Start Num: 77

Candidate Starts for Swole_63:

(Start: 76 @41090 has 31 MA's), (Start: 77 @41087 has 110 MA's), (Start: 83 @41075 has 4 MA's), (Start: 121 @41045 has 11 MA's), (138, 40994), (142, 40979), (149, 40958), (164, 40928), (175, 40898),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 119

Candidate Starts for Syleon_115:

(Start: 119 @63553 has 11 MA's), (124, 63568), (142, 63631), (156, 63673), (164, 63682), (176, 63715), (189, 63757),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 117

Candidate Starts for Syra333_70:

(64, 43680), (Start: 117 @43764 has 160 MA's), (Start: 121 @43773 has 11 MA's), (147, 43854), (171, 43908), (179, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 113

Candidate Starts for TBond007_64:

(Start: 113 @43622 has 202 MA's), (Start: 128 @43655 has 2 MA's), (147, 43712), (156, 43739), (172, 43772), (179, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 113

Candidate Starts for TBrady12_39:

(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 117

Candidate Starts for TClif_68:

(Start: 117 @43725 has 160 MA's), (Start: 121 @43734 has 11 MA's), (147, 43815), (179, 43884), (196, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 117

Candidate Starts for TM4_67:

(5, 39989), (64, 40673), (68, 40679), (Start: 117 @40730 has 160 MA's), (147, 40820), (179, 40889), (188, 40913), (209, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 107

Candidate Starts for TMaxx_3:

(52, 838), (58, 850), (Start: 107 @937 has 28 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 104

Candidate Starts for TWAMP_46:

(Start: 104 @34298 has 43 MA's), (Start: 119 @34280 has 11 MA's), (Start: 121 @34274 has 11 MA's), (159, 34157), (179, 34124), (181, 34118), (201, 34058), (212, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 113

Candidate Starts for TZGordon_64:

(Start: 113 @38982 has 202 MA's), (132, 39024), (147, 39069), (150, 39078), (173, 39129), (179, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 117

Candidate Starts for Tachez_66:

(Start: 117 @43467 has 160 MA's), (147, 43557), (188, 43653), (196, 43677),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 117

Candidate Starts for TaiwanKao_69:

(Start: 117 @44172 has 160 MA's), (147, 44262), (188, 44358), (207, 44409),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 104

Candidate Starts for Takoda_46:

(Start: 104 @34472 has 43 MA's), (Start: 119 @34454 has 11 MA's), (Start: 121 @34448 has 11 MA's), (159, 34331), (179, 34298), (181, 34292), (201, 34232), (212, 34184),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 107

Candidate Starts for Talia1610_108:

(Start: 107 @86506 has 28 MA's), (Start: 111 @86512 has 10 MA's), (Start: 121 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 91

Candidate Starts for Tallboi_33:

(19, 25716), (25, 25752), (Start: 91 @25971 has 36 MA's), (179, 26154),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 91

Candidate Starts for Tapioca_52:

(Start: 91 @34891 has 36 MA's), (Start: 119 @34903 has 11 MA's), (175, 35053), (179, 35056), (205, 35131),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 77

Candidate Starts for Target_64:

(Start: 76 @41126 has 31 MA's), (Start: 77 @41123 has 110 MA's), (Start: 83 @41111 has 4 MA's), (Start: 121 @41081 has 11 MA's), (138, 41030), (142, 41015), (149, 40994), (164, 40964), (175, 40934), (205, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 113

Candidate Starts for Tarkin_39:

(Start: 113 @34124 has 202 MA's), (Start: 137 @34181 has 3 MA's), (149, 34214), (151, 34220), (173, 34274), (180, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 94
Candidate Starts for Tbone_32:
(19, 24292), (25, 24328), (Start: 94 @24550 has 28 MA's), (179, 24733),

Gene: Teagster_37 Start: 25597, Stop: 25827, Start Num: 114
Candidate Starts for Teagster_37:
(Start: 114 @25597 has 44 MA's), (133, 25642),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 113
Candidate Starts for TeardropMSU_36:
(Start: 113 @33035 has 202 MA's), (Start: 137 @33092 has 3 MA's), (149, 33125), (151, 33131), (173, 33185), (180, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 113
Candidate Starts for Teaspoon_38:
(Start: 113 @33088 has 202 MA's), (Start: 137 @33145 has 3 MA's), (149, 33178), (151, 33184), (173, 33238), (180, 33250),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 77
Candidate Starts for Teodoridan_60:
(Start: 77 @40295 has 110 MA's), (Start: 83 @40283 has 4 MA's), (Start: 121 @40262 has 11 MA's), (138, 40211), (142, 40196), (149, 40175), (164, 40145), (175, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 113
Candidate Starts for Terminus_37:
(Start: 113 @33222 has 202 MA's), (Start: 137 @33279 has 3 MA's), (149, 33312), (151, 33318), (173, 33372), (180, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 94
Candidate Starts for TforTroy_34:
(Start: 94 @25368 has 28 MA's), (179, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 77
Candidate Starts for TheloniousMonk_65:
(Start: 76 @43431 has 31 MA's), (Start: 77 @43428 has 110 MA's), (Start: 83 @43416 has 4 MA's), (Start: 121 @43392 has 11 MA's), (Start: 137 @43347 has 3 MA's), (142, 43329), (164, 43278), (194, 43203), (205, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 121
Candidate Starts for Thibault_45:
(Start: 121 @41387 has 11 MA's), (Start: 129 @41414 has 1 MA's), (147, 41468), (149, 41471), (175, 41528), (188, 41564),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 121
Candidate Starts for Thonko_81:
(56, 61228), (Start: 93 @61303 has 4 MA's), (Start: 121 @61339 has 11 MA's), (181, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 77
Candidate Starts for Thor_61:
(Start: 76 @40525 has 31 MA's), (Start: 77 @40522 has 110 MA's), (Start: 83 @40510 has 4 MA's), (Start: 95 @40495 has 6 MA's), (Start: 121 @40489 has 11 MA's), (138, 40438), (142, 40423), (149, 40402), (164, 40372), (175, 40342), (205, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 114
Candidate Starts for ThreeRngTarjay_50:
(Start: 114 @44296 has 44 MA's), (138, 44359), (147, 44389), (149, 44392), (179, 44452), (180, 44455), (181, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 113
Candidate Starts for Thresher_38:
(Start: 113 @33889 has 202 MA's), (Start: 137 @33946 has 3 MA's), (149, 33979), (151, 33985), (173, 34039), (180, 34051),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 117
Candidate Starts for Thyatira_63:
(Start: 117 @44764 has 160 MA's), (142, 44839), (172, 44911), (185, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 95
Candidate Starts for Tian_33:
(Start: 95 @26378 has 6 MA's),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 117
Candidate Starts for Tierra_70:
(64, 44181), (Start: 117 @44265 has 160 MA's), (Start: 121 @44274 has 11 MA's), (147, 44355), (171, 44409),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 79
Candidate Starts for Timothy_57:
(Start: 79 @37302 has 125 MA's), (Start: 108 @37293 has 3 MA's), (180, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 113
Candidate Starts for TinaLin_62:
(Start: 113 @38825 has 202 MA's), (132, 38867), (147, 38912), (150, 38921), (173, 38972), (179, 38981), (186, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 117
Candidate Starts for TingHuaYa_70:
(Start: 117 @43428 has 160 MA's), (147, 43518), (188, 43614), (196, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 117
Candidate Starts for TiniBug_67:
(Start: 117 @44358 has 160 MA's), (147, 44448), (188, 44544), (196, 44568),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 79
Candidate Starts for TinyTimmy_57:
(Start: 79 @37351 has 125 MA's), (Start: 108 @37342 has 3 MA's), (180, 37171),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 79
Candidate Starts for TipsytheTRex_54:
(44, 37770), (47, 37758), (Start: 79 @37698 has 125 MA's), (Start: 119 @37677 has 11 MA's), (Start: 121 @37671 has 11 MA's), (163, 37548), (168, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 117
Candidate Starts for Tiri_67:
(Start: 117 @43756 has 160 MA's), (132, 43801), (147, 43846), (188, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 79
Candidate Starts for Toaka_58:
(Start: 79 @38206 has 125 MA's), (Start: 108 @38197 has 3 MA's), (163, 38056), (173, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 113
Candidate Starts for Tomaszewski_36:
(Start: 113 @32732 has 202 MA's), (Start: 137 @32789 has 3 MA's), (149, 32822), (151, 32828), (168, 32876), (173, 32882), (180, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 79
Candidate Starts for Tomathan_60:
(Start: 79 @38318 has 125 MA's), (Start: 108 @38309 has 3 MA's), (146, 38216), (180, 38138), (196, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 104
Candidate Starts for Toniann_125:
(48, 71052), (55, 71067), (Start: 76 @71112 has 31 MA's), (Start: 104 @71160 has 43 MA's), (Start: 128 @71205 has 2 MA's), (175, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 117
Candidate Starts for Topper_66:
(Start: 117 @43622 has 160 MA's), (147, 43712), (188, 43808), (196, 43832),

Gene: Torres_57 Start: 43555, Stop: 43800, Start Num: 117
Candidate Starts for Torres_57:
(61, 43483), (Start: 117 @43555 has 160 MA's), (152, 43660), (172, 43702), (188, 43738),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 77
Candidate Starts for Tote_58:
(Start: 76 @38357 has 31 MA's), (Start: 77 @38354 has 110 MA's), (Start: 83 @38342 has 4 MA's), (Start: 121 @38312 has 11 MA's), (138, 38261), (142, 38246), (149, 38225), (164, 38195), (175, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 113
Candidate Starts for Toto_37:
(Start: 113 @33135 has 202 MA's), (Start: 137 @33192 has 3 MA's), (149, 33225), (151, 33231), (173, 33285), (180, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 113
Candidate Starts for Tourach_32:
(Start: 113 @28413 has 202 MA's), (Start: 131 @28458 has 6 MA's), (149, 28509), (205, 28647), (211, 28668),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 113
Candidate Starts for Traaww1_35:
(Start: 113 @32773 has 202 MA's), (Start: 137 @32830 has 3 MA's), (149, 32863), (151, 32869), (173, 32923), (180, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 85
Candidate Starts for Traft412_64:
(Start: 85 @41743 has 10 MA's), (Start: 119 @41725 has 11 MA's), (Start: 121 @41719 has 11 MA's), (138, 41668), (142, 41653), (149, 41632), (164, 41602), (175, 41572),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 79

Candidate Starts for Travvers_60:

(Start: 79 @38268 has 125 MA's), (Start: 108 @38259 has 3 MA's), (146, 38166), (180, 38088), (196, 38034),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 119

Candidate Starts for Trax_113:

(78, 64836), (Start: 119 @64896 has 11 MA's), (145, 64989), (146, 64992), (147, 64995), (164, 65031), (175, 65061), (189, 65106),

Gene: Treddle_63 Start: 42567, Stop: 42298, Start Num: 76

Candidate Starts for Treddle_63:

(Start: 76 @42567 has 31 MA's), (Start: 77 @42564 has 110 MA's), (Start: 83 @42552 has 4 MA's), (Start: 121 @42531 has 11 MA's), (138, 42480), (142, 42465), (149, 42444), (156, 42423), (164, 42414), (175, 42384),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 117

Candidate Starts for TreyKay_68:

(Start: 117 @44110 has 160 MA's), (147, 44200), (188, 44296),

Gene: TriFive_31 Start: 28796, Stop: 29050, Start Num: 121

Candidate Starts for TriFive_31:

(Start: 113 @28784 has 202 MA's), (Start: 121 @28796 has 11 MA's), (Start: 131 @28829 has 6 MA's),

Gene: TribbleTrouble_68 Start: 44625, Stop: 44867, Start Num: 113

Candidate Starts for TribbleTrouble_68:

(Start: 113 @44625 has 202 MA's), (Start: 128 @44658 has 2 MA's), (147, 44715), (179, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 85

Candidate Starts for Tripl3t_65:

(Start: 85 @43651 has 10 MA's), (Start: 119 @43633 has 11 MA's), (Start: 121 @43627 has 11 MA's), (138, 43576), (142, 43561), (149, 43540), (164, 43510), (175, 43480), (205, 43405),

Gene: Trouble_63 Start: 41668, Stop: 41399, Start Num: 76

Candidate Starts for Trouble_63:

(Start: 76 @41668 has 31 MA's), (Start: 77 @41665 has 110 MA's), (Start: 83 @41653 has 4 MA's), (Start: 121 @41632 has 11 MA's), (142, 41566), (149, 41545), (156, 41524), (164, 41515), (175, 41485),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 117

Candidate Starts for TruffulaTree_67:

(Start: 117 @43916 has 160 MA's), (147, 44006), (188, 44102), (196, 44126),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 79

Candidate Starts for Tubs_58:

(Start: 79 @38225 has 125 MA's), (Start: 108 @38216 has 3 MA's), (Start: 134 @38159 has 1 MA's), (146, 38123), (158, 38084), (173, 38057), (180, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 94

Candidate Starts for Tuck_36:

(19, 26950), (21, 26959), (Start: 94 @27187 has 28 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 113

Candidate Starts for Tuco_38:

(Start: 113 @33643 has 202 MA's), (Start: 137 @33700 has 3 MA's), (149, 33733), (151, 33739), (173, 33793), (180, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 91

Candidate Starts for Turab_32:

(8, 23982), (19, 24183), (25, 24219), (Start: 91 @24438 has 36 MA's), (179, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 79

Candidate Starts for Turbido_59:

(Start: 79 @38719 has 125 MA's), (Start: 108 @38710 has 3 MA's), (Start: 119 @38698 has 11 MA's), (Start: 121 @38692 has 11 MA's),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 77

Candidate Starts for Turj99_60:

(Start: 76 @42066 has 31 MA's), (Start: 77 @42063 has 110 MA's), (Start: 83 @42051 has 4 MA's), (Start: 119 @42036 has 11 MA's), (Start: 121 @42030 has 11 MA's), (138, 41979), (142, 41964), (149, 41943), (164, 41913), (175, 41883), (205, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 94

Candidate Starts for Tutumahutu_33:

(19, 24464), (25, 24500), (Start: 94 @24722 has 28 MA's), (179, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 80

Candidate Starts for Tweety19_33:

(22, 23420), (24, 23429), (Start: 80 @23630 has 3 MA's), (179, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 117

Candidate Starts for Twitch_66:

(Start: 117 @43624 has 160 MA's), (147, 43714), (188, 43810), (196, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 77

Candidate Starts for TwoPeat_63:

(Start: 76 @41918 has 31 MA's), (Start: 77 @41915 has 110 MA's), (Start: 83 @41903 has 4 MA's), (Start: 119 @41888 has 11 MA's), (Start: 121 @41882 has 11 MA's), (138, 41831), (142, 41816), (149, 41795), (164, 41765), (175, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 96

Candidate Starts for TyDawg_39:

(45, 32651), (Start: 96 @32762 has 21 MA's), (Start: 113 @32780 has 202 MA's), (138, 32843), (172, 32930), (175, 32939), (181, 32948),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 131

Candidate Starts for Tyson_30:

(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 113

Candidate Starts for UPIE_30:

(Start: 113 @27688 has 202 MA's), (Start: 131 @27733 has 6 MA's), (175, 27841),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 79

Candidate Starts for Ugenie5_55:

(Start: 79 @38510 has 125 MA's), (Start: 108 @38501 has 3 MA's), (Start: 134 @38444 has 1 MA's), (146, 38408), (158, 38369), (173, 38342), (180, 38330),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 104

Candidate Starts for UhSalsa_46:

(Start: 104 @34231 has 43 MA's), (Start: 119 @34213 has 11 MA's), (Start: 121 @34207 has 11 MA's), (159, 34090), (179, 34057), (181, 34051), (201, 33991), (212, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 113

Candidate Starts for Ukulele_37:

(Start: 113 @32893 has 202 MA's), (Start: 137 @32950 has 3 MA's), (149, 32983), (151, 32989), (173, 33043), (180, 33055),

Gene: Underpass_32 Start: 28469, Stop: 28690, Start Num: 131

Candidate Starts for Underpass_32:

(Start: 113 @28424 has 202 MA's), (Start: 131 @28469 has 6 MA's), (149, 28520), (181, 28586), (205, 28658), (211, 28679),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 117

Candidate Starts for Unicorn_68:

(Start: 117 @43391 has 160 MA's), (Start: 121 @43400 has 11 MA's), (147, 43481), (179, 43550),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 117

Candidate Starts for Urkel_67:

(Start: 117 @44362 has 160 MA's), (147, 44452), (188, 44548), (196, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 107

Candidate Starts for UtzChips_41:

(38, 26767), (Start: 107 @26893 has 28 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 59

Candidate Starts for VC3_61:

(Start: 59 @38705 has 4 MA's), (Start: 79 @38666 has 125 MA's), (Start: 108 @38657 has 3 MA's), (146, 38564), (163, 38516), (180, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 114

Candidate Starts for VResidence_33:

(Start: 114 @24693 has 44 MA's), (136, 24747), (181, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 117

Candidate Starts for Validus_71:

(Start: 117 @44494 has 160 MA's), (147, 44584), (171, 44638),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 79

Candidate Starts for Vanisoa_58:

(Start: 79 @39326 has 125 MA's), (Start: 108 @39317 has 3 MA's), (Start: 134 @39260 has 1 MA's), (146, 39224), (163, 39176), (180, 39146), (182, 39137),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 117

Candidate Starts for Veliki_68:

(Start: 117 @43889 has 160 MA's), (147, 43979), (188, 44075), (196, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 113

Candidate Starts for Vendetta_63:

(Start: 113 @40094 has 202 MA's), (132, 40136), (147, 40181), (150, 40190), (173, 40241), (179, 40250),

Gene: Vetric_32 Start: 28428, Stop: 28694, Start Num: 113

Candidate Starts for Vetric_32:

(Start: 113 @28428 has 202 MA's), (Start: 131 @28473 has 6 MA's), (149, 28524), (181, 28590), (205, 28662), (211, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 87

Candidate Starts for Vibaki_39:

(Start: 87 @33279 has 1 MA's), (Start: 97 @33294 has 1 MA's), (184, 33507), (185, 33510), (210, 33585),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 77

Candidate Starts for Violet_60:

(Start: 76 @42925 has 31 MA's), (Start: 77 @42922 has 110 MA's), (Start: 83 @42910 has 4 MA's), (Start: 121 @42889 has 11 MA's), (138, 42838), (142, 42823), (149, 42802), (164, 42772), (175, 42742),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 87

Candidate Starts for Vitus_40:

(15, 31940), (Start: 87 @32270 has 1 MA's), (Start: 97 @32285 has 1 MA's), (133, 32351), (141, 32381), (162, 32438), (181, 32492), (184, 32504), (210, 32582),

Gene: ViviJ_58 Start: 40530, Stop: 40778, Start Num: 117

Candidate Starts for ViviJ_58:

(Start: 117 @40530 has 160 MA's), (166, 40662), (179, 40692), (192, 40725),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 107

Candidate Starts for VroomVroom_39:

(Start: 107 @26557 has 28 MA's), (179, 26749),

Gene: WaddleDee_101 Start: 82115, Stop: 82375, Start Num: 107

Candidate Starts for WaddleDee_101:

(Start: 107 @82115 has 28 MA's), (187, 82304), (196, 82334), (197, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 103

Candidate Starts for Waits_64:

(7, 38107), (10, 38083), (13, 38005), (Start: 103 @37663 has 22 MA's), (180, 37486),

Gene: Wamburgxpress_30 Start: 27703, Stop: 27972, Start Num: 113

Candidate Starts for Wamburgxpress_30:

(Start: 113 @27703 has 202 MA's), (Start: 131 @27748 has 6 MA's), (175, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 114

Candidate Starts for Wanda_58:

(Start: 114 @44007 has 44 MA's), (168, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 94

Candidate Starts for Warda_33:

(19, 24468), (25, 24504), (Start: 94 @24726 has 28 MA's), (179, 24909),

Gene: Warrior24_67 Start: 38097, Stop: 37828, Start Num: 103
Candidate Starts for Warrior24_67:
(Start: 103 @38097 has 22 MA's), (180, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 119
Candidate Starts for WaterT_52:
(Start: 119 @33281 has 11 MA's), (138, 33338), (146, 33365), (149, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 117
Candidate Starts for Waterfoul_62:
(Start: 117 @42861 has 160 MA's), (142, 42936), (172, 43008), (185, 43032),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 107
Candidate Starts for Weiss13_40:
(Start: 80 @36046 has 3 MA's), (Start: 107 @36088 has 28 MA's), (Start: 121 @36109 has 11 MA's),
(Start: 128 @36130 has 2 MA's), (Start: 137 @36154 has 3 MA's), (138, 36157), (171, 36256), (172,
36259), (173, 36262),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 79
Candidate Starts for Whabigail7_59:
(Start: 79 @38704 has 125 MA's), (Start: 108 @38695 has 3 MA's), (Start: 119 @38683 has 11 MA's),
(Start: 121 @38677 has 11 MA's), (163, 38554),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 77
Candidate Starts for Wheeler_64:
(Start: 77 @41819 has 110 MA's), (Start: 83 @41807 has 4 MA's), (138, 41726), (142, 41711), (149,
41690), (164, 41660), (175, 41630), (205, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 113
Candidate Starts for Whirlwind_32:
(86, 28486), (Start: 113 @28525 has 202 MA's), (Start: 121 @28537 has 11 MA's), (Start: 131 @28570
has 6 MA's), (147, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 113
Candidate Starts for Wiggin_40:
(Start: 113 @33639 has 202 MA's), (Start: 137 @33696 has 3 MA's), (149, 33729), (151, 33735), (173,
33789), (180, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 113
Candidate Starts for Wigglewigggle_32:
(Start: 113 @28454 has 202 MA's), (Start: 131 @28499 has 6 MA's), (149, 28550), (181, 28616), (205,
28688), (211, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 122
Candidate Starts for Wildcat_53:
(Start: 122 @39356 has 5 MA's), (144, 39437), (164, 39485), (176, 39518), (177, 39521), (179, 39524),
(188, 39557), (202, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 113
Candidate Starts for Wilder_32:
(Start: 113 @28427 has 202 MA's), (Start: 131 @28472 has 6 MA's), (149, 28523), (181, 28589), (205,
28661), (211, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 94
Candidate Starts for Wildwest_33:
(19, 24266), (25, 24302), (Start: 94 @24524 has 28 MA's), (179, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 113
Candidate Starts for Willez_36:
(Start: 113 @32639 has 202 MA's), (Start: 137 @32696 has 3 MA's), (149, 32729), (151, 32735), (173, 32789), (180, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 104
Candidate Starts for WilliamBoone_123:
(65, 68330), (Start: 104 @68402 has 43 MA's), (175, 68576), (177, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 113
Candidate Starts for Winky_32:
(Start: 113 @28422 has 202 MA's), (Start: 131 @28467 has 6 MA's), (149, 28518), (181, 28584), (205, 28656), (211, 28677),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 113
Candidate Starts for Wyatt2_30:
(Start: 113 @27690 has 202 MA's), (Start: 131 @27735 has 6 MA's), (175, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 113
Candidate Starts for Xandras_39:
(Start: 113 @33125 has 202 MA's), (Start: 137 @33182 has 3 MA's), (149, 33215), (151, 33221), (173, 33275), (180, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 91
Candidate Starts for Xerxes_50:
(11, 34508), (26, 34715), (27, 34748), (54, 34844), (Start: 91 @34922 has 36 MA's), (Start: 119 @34934 has 11 MA's), (Start: 121 @34940 has 11 MA's), (147, 35018), (175, 35084), (179, 35087),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 117
Candidate Starts for Ximenita_72:
(64, 44009), (Start: 117 @44093 has 160 MA's), (Start: 121 @44102 has 11 MA's), (147, 44183), (179, 44252),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 94
Candidate Starts for Yang_33:
(19, 24609), (25, 24645), (Start: 94 @24867 has 28 MA's), (179, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 82
Candidate Starts for Yappy_50:
(Start: 82 @13369 has 1 MA's), (Start: 107 @13402 has 28 MA's), (Start: 121 @13414 has 11 MA's), (132, 13447), (141, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 113
Candidate Starts for YassJohnny_38:
(Start: 113 @33650 has 202 MA's), (Start: 137 @33707 has 3 MA's), (149, 33740), (151, 33746), (173, 33800), (180, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 79
Candidate Starts for Yecey3_59:

(Start: 79 @38093 has 125 MA's), (Start: 108 @38084 has 3 MA's), (Start: 134 @38027 has 1 MA's), (146, 37991), (163, 37943), (173, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 114

Candidate Starts for Yeet_50:

(Start: 114 @43428 has 44 MA's), (138, 43491), (147, 43521), (149, 43524), (179, 43584), (180, 43587), (181, 43590),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 107

Candidate Starts for Yelo_40:

(Start: 80 @36339 has 3 MA's), (Start: 107 @36381 has 28 MA's), (Start: 121 @36402 has 11 MA's), (Start: 128 @36423 has 2 MA's), (138, 36450), (171, 36549), (172, 36552), (173, 36555), (191, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 94

Candidate Starts for YesChef_33:

(Start: 94 @24727 has 28 MA's), (179, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 104

Candidate Starts for Yogi_45:

(Start: 104 @34272 has 43 MA's), (Start: 119 @34254 has 11 MA's), (Start: 121 @34248 has 11 MA's), (159, 34131), (179, 34098), (181, 34092), (201, 34032), (212, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 104

Candidate Starts for Yoncess_45:

(Start: 104 @34052 has 43 MA's), (Start: 119 @34034 has 11 MA's), (Start: 121 @34028 has 11 MA's), (159, 33911), (179, 33878), (181, 33872), (201, 33812), (212, 33764),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 100

Candidate Starts for Yotsuba_51:

(Start: 100 @37228 has 5 MA's), (149, 37327), (151, 37333), (175, 37387), (177, 37390), (180, 37396), (207, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 113

Candidate Starts for Youngblood_37:

(Start: 113 @33295 has 202 MA's), (Start: 137 @33352 has 3 MA's), (149, 33385), (151, 33391), (168, 33439), (173, 33445), (180, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 117

Candidate Starts for YoureAdopted_66:

(Start: 117 @44035 has 160 MA's), (147, 44125), (188, 44221), (196, 44245),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 115

Candidate Starts for Yuna_71:

(66, 45129), (Start: 115 @45201 has 1 MA's), (147, 45291), (172, 45351), (196, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 117

Candidate Starts for Yunkel11_71:

(61, 43871), (Start: 117 @43949 has 160 MA's), (188, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 101

Candidate Starts for Yvonnetastic_129:

(Start: 101 @73454 has 14 MA's), (132, 73514), (146, 73556), (149, 73565), (161, 73601), (175, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 117
Candidate Starts for Zabiza_61:
(Start: 117 @39772 has 160 MA's), (147, 39862), (188, 39958), (196, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 113
Candidate Starts for Zakai_32:
(Start: 113 @28678 has 202 MA's), (Start: 131 @28723 has 6 MA's), (181, 28840), (211, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 113
Candidate Starts for Zaria_30:
(Start: 113 @27704 has 202 MA's), (Start: 131 @27749 has 6 MA's), (175, 27857),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 117
Candidate Starts for Zavala_69:
(Start: 117 @44194 has 160 MA's), (147, 44284), (188, 44380), (196, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 114
Candidate Starts for Zelink_53:
(Start: 114 @45222 has 44 MA's), (138, 45285), (147, 45315), (149, 45318), (179, 45378), (180, 45381), (181, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 107
Candidate Starts for Zenon_41:
(Start: 80 @36358 has 3 MA's), (Start: 107 @36400 has 28 MA's), (Start: 121 @36421 has 11 MA's),
(Start: 128 @36442 has 2 MA's), (138, 36469), (171, 36568), (172, 36571), (173, 36574), (191, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 107
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (34, 25080), (Start: 107 @25236 has 28 MA's), (Start: 128 @25275 has 2 MA's),

Gene: Zeuska_67 Start: 44044, Stop: 43775, Start Num: 77
Candidate Starts for Zeuska_67:
(Start: 76 @44047 has 31 MA's), (Start: 77 @44044 has 110 MA's), (Start: 83 @44032 has 4 MA's),
(142, 43942), (149, 43921), (164, 43891), (175, 43861),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 131
Candidate Starts for ZhongYanYuan_31:
(Start: 113 @28243 has 202 MA's), (Start: 131 @28288 has 6 MA's), (149, 28339), (205, 28477), (211, 28498),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 79
Candidate Starts for Zimmer_55:
(62, 39253), (Start: 79 @39223 has 125 MA's), (146, 39121), (163, 39073), (173, 39055), (180, 39043),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 117
Candidate Starts for ZoeJ_68:
(64, 45414), (68, 45420), (Start: 117 @45471 has 160 MA's), (147, 45561), (164, 45597), (179, 45630),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 107
Candidate Starts for Zooman_185:
(Start: 75 @110997 has 6 MA's), (Start: 107 @110949 has 28 MA's),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 113

Candidate Starts for xkcd_38:

(Start: 113 @33304 has 202 MA's), (Start: 137 @33361 has 3 MA's), (149, 33394), (151, 33400), (173, 33454), (180, 33466),