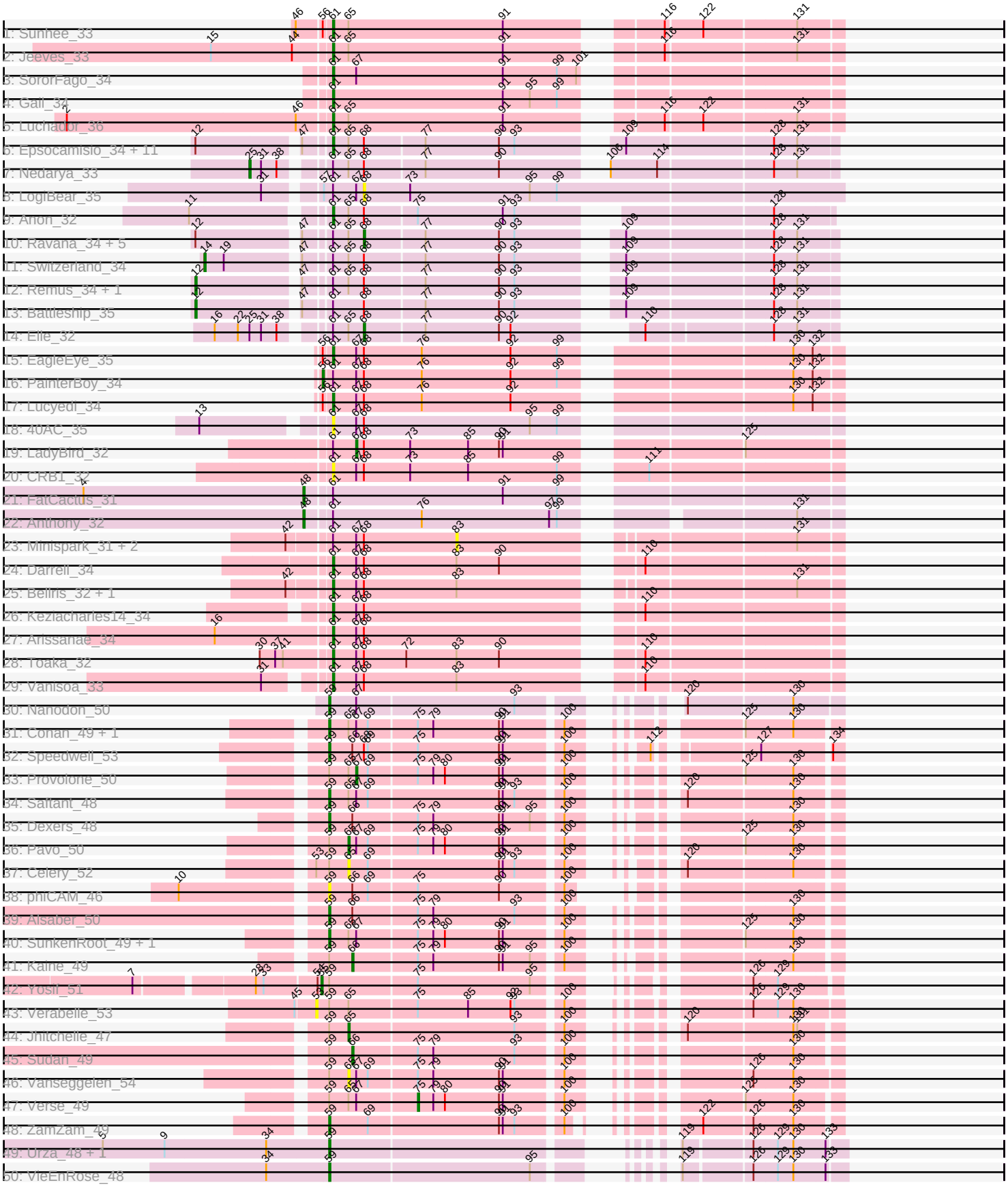
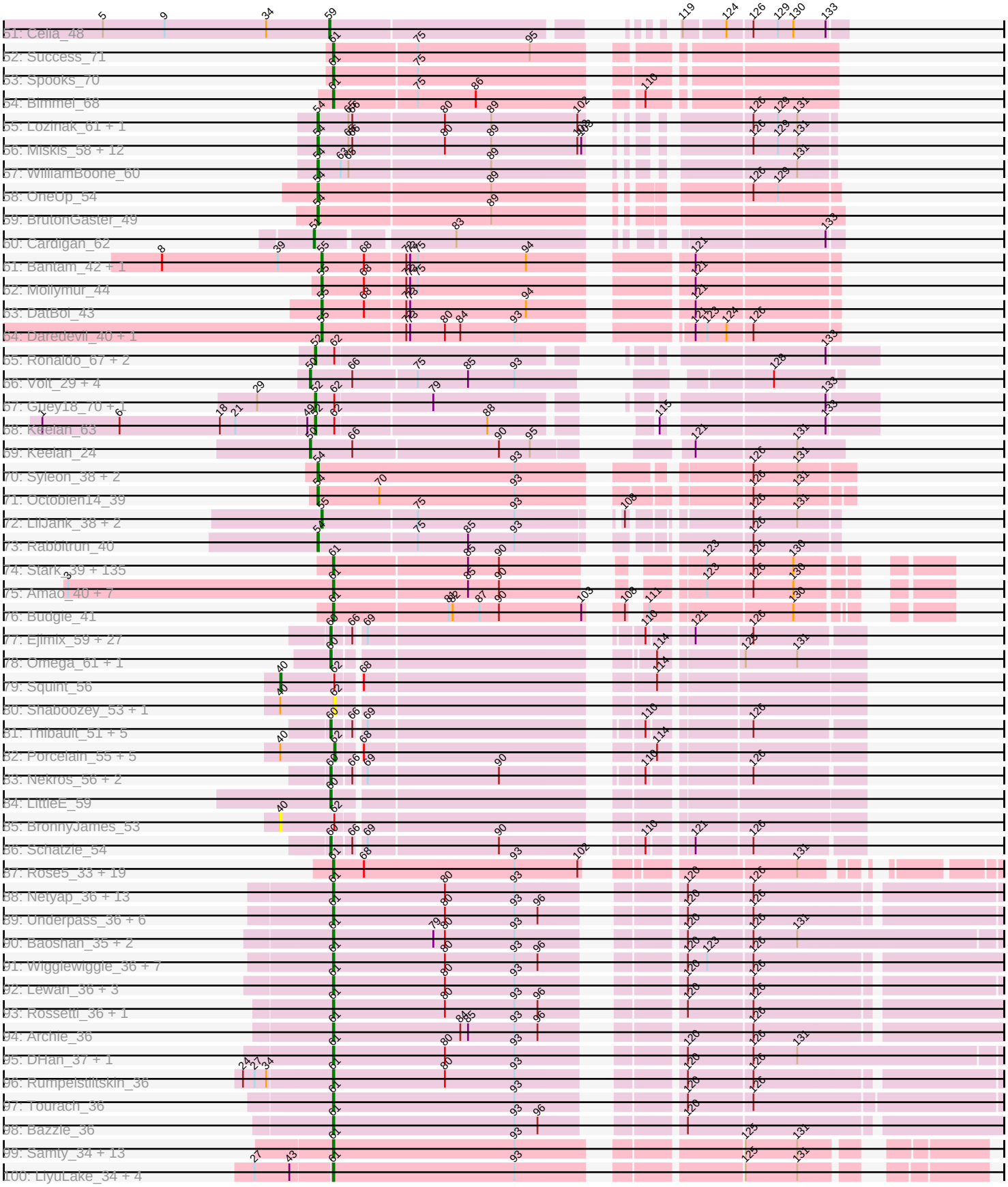
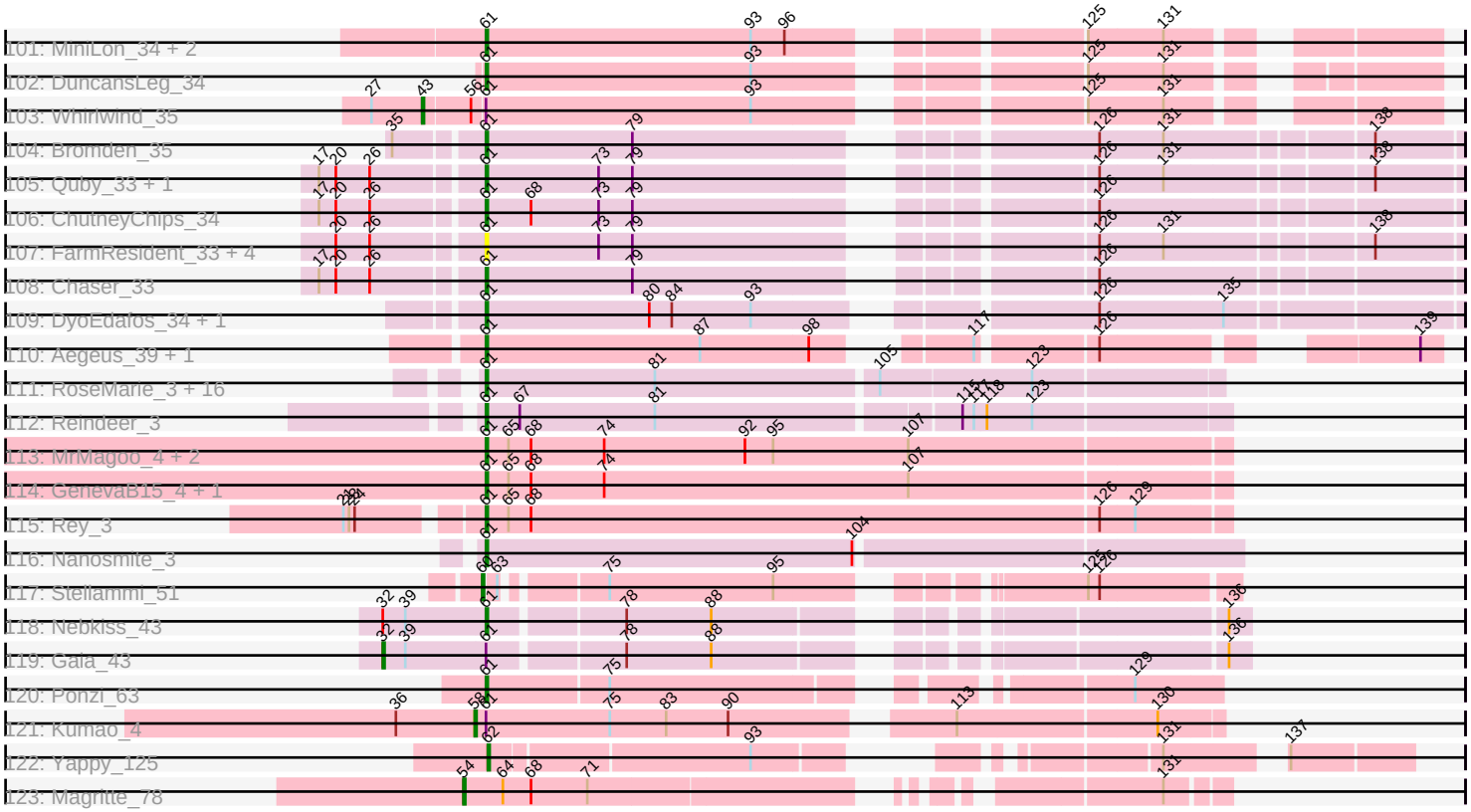
Pham 347094


1: Sunnee_33
2: Jeeves_33
3: SororFago_34
4: Gail_34
5: Luchadbr_36
6: Epsocamisio_34 + 11
7: Nedarya_33
8: LogiBear_35
9: Anon_32
10: Ravana_34 + 5
11: Switzerland_34
12: Remus_34 + 1
13: Battleship_35
14: Elle_32
15: EagleEye_35
16: PainterBoy_34
17: Lucyedi_34
18: 40AC_35
19: LadyBird_32
20: CRB1_32
21: FatCactus_31
22: Anthony_32
23: Minispark_31 + 2
24: Darrell_34
25: Bellris_32 + 1
26: Keziacharles14_34
27: Arissanae_34
28: Toaka_32
29: Vanisoa_33
30: Nanodon_50
31: Conan_49 + 1
32: Speedwell_53
33: Provolone_50
34: Saltant_48
35: Dexers_48
36: Pavo_50
37: Celery_52
38: phiCAM_46
39: Alsaber_50
40: SunkenRoot_49 + 1
41: Kaine_49
42: Yoshi_51
43: Verabelle_53
44: Jhitchelle_47
45: Sudan_49
46: Vanseggelen_54
47: Verse_49
48: ZamZam_49
49: Urza_48 + 1
50: VieEnRose_48

Pham 347094


51: Celia_48
52: Success_71
53: Spooks_70
54: Bimmel_68
55: Lozinak_61 + 1
56: Miskis_58 + 12
57: WilliamBoone_60
58: OneUp_54
59: BrutonGaster_49
60: Cardigan_62
61: Bantam_42 + 1
62: Mollymur_44
63: DatBoi_43
64: Daredevil_40 + 1
65: Ronaldo_67 + 2
66: Volt_29 + 4
67: Ghey18_70 + 1
68: Keelan_63
69: Keelan_24
70: Syleon_38 + 2
71: Octobien14_39
72: LilJank_38 + 2
73: Rabbitrun_40
74: Stark_39 + 135
75: Amao_40 + 7
76: Budgie_41
77: Ejimix_59 + 27
78: Omega_61 + 1
79: Squint_56
80: Shaboozey_53 + 1
81: Thibault_51 + 5
82: Porcelain_55 + 5
83: Nekros_56 + 2
84: LittleE_59
85: BronnyJames_53
86: Schatzie_54
87: Rose5_33 + 19
88: Netyap_36 + 13
89: Underpass_36 + 6
90: Baoshan_35 + 2
91: Wigglewiggle_36 + 7
92: Lewan_36 + 3
93: Rossetti_36 + 1
94: Archie_36
95: DHan_37 + 1
96: Rumpelstiltskin_36
97: Tourach_36
98: Bazzle_36
99: Samty_34 + 13
100: LiyuLake_34 + 4

Pham 347094


101: MiniLon_34 + 2
102: DuncansLeg_34
103: Whirlwind_35
104: Bromden_35
105: Quby_33 + 1
106: ChutneyChips_34
107: FarmResident_33 + 4
108: Chaser_33
109: DyoEdafos_34 + 1
110: Aegeus_39 + 1
111: RoseMarie_3 + 16
112: Reindeer_3
113: MrMagoo_4 + 2
114: GenevaB15_4 + 1
115: Rey_3
116: Nanosmite_3
117: Stellammi_51
118: Nebkiss_43
119: Gaia_43
120: Ponzi_63
121: Kumao_4
122: Yappy_125
123: Magritte_78

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 347094 Report

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

Pham number 347094 has 452 members, 59 are drafts.

Phages represented in each track:
- Track 1 : Sunhee_33
- Track 2 : Jeeves_33
- Track 3 : SororFago_34
- Track 4 : Gail_34
- Track 5 : Luchador_36
- Track 6 : Epsocamisio_34, Anaysia_34, Boohoo_34, Strosahl_34, MinecraftSteve_35, LastResort_34, Rosalind_34, ShayRa_35, Soups_34, KatherineG_34, Looper_35, ReMo_34
- Track 7 : Nedarya_33
- Track 8 : LogiBear_35
- Track 9 : Anon_32
- Track 10 : Ravana_34, JSwag_34, Warrior24_34, Waits_34, DekHockey33_34, Oofda_34
- Track 11 : Switzerland_34
- Track 12 : Remus_34, Nebulosus_34
- Track 13 : Battleship_35
- Track 14 : Elle_32
- Track 15 : EagleEye_35
- Track 16 : PainterBoy_34
- Track 17 : Lucyedi_34
- Track 18 : 40AC_35
- Track 19 : LadyBird_32
- Track 20 : CRB1_32
- Track 21 : FatCactus_31
- Track 22 : Anthony_32
- Track 23 : Minispark_31, WorldCup_31, CogOmlette_31
- Track 24 : Darrell_34
- Track 25 : Bellris_32, Rahalelujah_32
- Track 26 : Keziacharles14_34
- Track 27 : Arissanae_34
- Track 28 : Toaka_32
- Track 29 : Vanisoa_33
- Track 30 : Nanodon_50
- Track 31 : Conan_49, ElGato_49
- Track 32 : Speedwell_53
- Track 33 : Provolone_50
- Track 34 : Saftant_48

• Track 35 : Dexers_48
• Track 36 : Pavo_50
• Track 37 : Celery_52
• Track 38 : phiCAM_46
• Track 39 : Alsaber_50
• Track 40 : SunkenRoot_49, Amela_49
• Track 41 : Kaine_49
• Track 42 : Yosif_51
• Track 43 : Verabelle_53
• Track 44 : Jhitchelle_47
• Track 45 : Sudan_49
• Track 46 : Vanseggelen_54
• Track 47 : Verse_49
• Track 48 : ZamZam_49
• Track 49 : Urza_48, Itza_48
• Track 50 : VieEnRose_48
• Track 51 : Celia_48
• Track 52 : Success_71
• Track 53 : Spooks_70
• Track 54 : Bimmel_68
• Track 55 : Lozinak_61, Smoothie_62
• Track 56 : Miskis_58, PhinkBoden_60, Cucurbita_62, Geeche_59, ClubL_61, Toniann_61, Engineer_62, Dusty_60, Aphelion_60, Culver_62, Bachita_62, Norvs_61, Abscondus_60
• Track 57 : WilliamBoone_60
• Track 58 : OneUp_54
• Track 59 : BrutonGaster_49
• Track 60 : Cardigan_62
• Track 61 : Bantam_42, SpeedDemon_440
• Track 62 : Mollymur_44
• Track 63 : DatBoi_43
• Track 64 : Daredevil_40, Towmatter_39
• Track 65 : Ronaldo_67, Ziko_67, Volt_67
• Track 66 : Volt_29, Ziko_30, Ronaldo_30, Fryberger_27, Guey18_31
• Track 67 : Guey18_70, Fryberger_64
• Track 68 : Keelan_63
• Track 69 : Keelan_24
• Track 70 : Syleon_38, Kudefre_37, Sephiroth_38
• Track 71 : Octobien14_39
• Track 72 : LilJank_38, Trax_38, Neville_38
• Track 73 : Rabbitrun_40
• Track 74 : Stark_39, Elph10_39, Harella_39, Maxxinista_39, Emmina_39, StormChicken_38, HufflyPuff_37, OrionPax_40, FireRed_38, ShereKhan_40, Saints25_40, MollyToe_38, StellaBean_38, JeTaime_41, Tomaszewski_38, AmericanBeauty_40, Bogg_39, Rimmer_37, Kostya_39, FoghornLeghorn_38, Glexan_37, TeardropMSU_37, Highbury_40, Moldemort_39, Sassay_37, Hoonter_40, Paperbeatsrock_40, Argent26_40, PaddyBaddy_40, Simpliphy_40, GooberAzure_40, DrDrey_41, Lilpickle_37, Phaja_38, StolenFromERC_40, Gage_40, Nimrod_38, Manda_39, Rakim_39, Lilac_40, MadamMonkfish_39, HanKaySha_40, BilboSwaggins_39, Bench_41, Ukulele_39, Dumbo_39, Kimchi_40, TeamEdward_38, Becksu_38, YassJohnny_39, 244_42, SophKB_38, Myrale_40, Hopey_41, Cactus_39, Easy2Say_40, Porky_38, Youngblood_38, IHOP_38, Kanye_40, Gator_37, Balomoji_38, Dusk_39, Miniwave_38, PhatBacter_38, FairyPath_38,

BugsBunny_36, Icee_37, MPhalcon_37, BaboJay_38, BadStone_39, Xandras_40, Livelaughbron_39, Asriel_37, Bask21_38, Stank_41, Quallification_39, Contagion_39, NonchalantPear_39, Cjw1_39, Palpatine_38, GoldenSpark_40, Tuco_41, Traaww1_36, Tarkin_40, Flypotenuse_36, Mosby_38, Barbarian_37, Misfit_38, Phaux_37, Eureka_39, Ptowny_40, NelitzaMV_38, RiverMonster_38, Terminus_38, Goldilocks_39, Murphy_39, Brewer_38, Command613_39, Phrux_39, Teaspoon_40, Elite2014_37, Wiggin_41, Goku_39, ChosenOne_38, Bruin_39, ABCat_38, Willez_37, Adnama_41, Gemini_41, Policronamos_38, Thimble_39, Nala_38, Daikon_39, Marshmallow_39, Cookies_39, Petra64142_40, CrystalP_40, Pharsalus_39, Lilizi_40, Buck_37, Thresher_40, Filch_41, NoSleep_39, xkcd_39, ShamWow_40, Pumpkin_42, Czyszczon1_40, Greep_39, Toto_39, Henry_40, MISSy_37, Murica_37, Sotrice96_38, TBrady12_40, Inca_37
• Track 75 : Amao_40, SirDuracell_38, Mindy_40, ChotaBhai_39, Pat3_39, BigBubba_39, DoctorDiddles_39, Holt_40
• Track 76 : Budgie_41
• Track 77 : Ejimix_59, Halley_59, JuicyJay_58, Bombitas_56, EricMillard_59, Hidrated_55, Beem_59, Klein_59, Hughesyang_57, NihilNomen_58, Minerva_65, HokkenD_52, KashFlow_52, Constella_49, Bagrid_58, ThreeRngTarjay_57, Redno2_56, BAKA_63, Duke13_62, Optimus_64, Wanda_65, Marleymoo_58, Dove_54, Hannaconda_55, Dallas_58, Odette_57, Zelink_57, Phoebus_58
• Track 78 : Omega_61, Gonephishing_59
• Track 79 : Squint_56
• Track 80 : Shaboozey_53, Nibley_51
• Track 81 : Thibault_51, Xiaokay_52, Rearden_53, Pound_59, Bobby_58, Kalah2_55
• Track 82 : Porcelain_55, Superphikiman_57, Ariel_56, MiaZeal_56, Courthouse_56, Lucky2013_57
• Track 83 : Nekros_56, DmpstrDiver_58, Yeet_57
• Track 84 : LittleE_59
• Track 85 : BronnyJames_53
• Track 86 : Schatzie_54
• Track 87 : Rose5_33, Acquire49_33, Enceladus_33, DirkDirk_33, OhShagHennessy_33, Calm_33, CicholasNage_33, Poochiewood_33, Zaria_33, Wamburgrxpress_33, JoeDirt_33, LeBron_33, Halena_33, Wyatt2_33, Appletree2_33, Tyson_33, MAckerman_33, UPIE_33, Silverleaf_33, AvadaKedavra_33
• Track 88 : Netyap_36, Winky_36, Vetrix_36, Miley16_36, BobsGarage_36, Faith1_36, Gabriela_36, DrSeegs_36, Finemlucis_36, Molivier_36, Itos_36, SoJulia_37, Breezona_36, BigCheese_36
• Track 89 : Underpass_36, ChengKai98_36, Gardann_36, OverPar_36, Loadrie_36, Nicholasp3_36, LilDestine_36
• Track 90 : Baoshan_35, ZhongYanYuan_35, DanBing_36
• Track 91 : Wigglewiggle_36, Wilder_36, Soap141_36, Kahlid_36, MkaliMitinis3_36, Hafay_36, Lynnae_36, Sarshaun_36
• Track 92 : Lewan_36, Hiraya_36, Crossroads_36, GuuelaD_36
• Track 93 : Rossetti_36, Zakai_36
• Track 94 : Archie_36
• Track 95 : DHan_37, Claus_36
• Track 96 : Rumpelstiltskin_36
• Track 97 : Tourach_36
• Track 98 : Bazzle_36
• Track 99 : Samty_34, Clautastrophe_34, MsGreen_34, Kingsolomon_34, TriFive_34, Nicholas_34, Lumos_34, Moostard_34, Snenia_34, Finnry_34, Jobypre_34, Red305_34, Jubie_34, Bellis_34

• Track 100 : LiyuLake_34, Ellson_34, KirDoubleO7_32, BourbonZero_33, Krypton555_34
• Track 101 : MiniLon_34, MiniMac_34, Lolly9_34
• Track 102 : DuncansLeg_34
• Track 103 : Whirlwind_35
• Track 104 : Bromden_35
• Track 105 : Quby_33, Douge_33
• Track 106 : ChutneyChips_34
• Track 107 : FarmResident_33, PYPDinur_33, BrainDrainer_34, Sheng711_33, Douzhi_33
• Track 108 : Chaser_33
• Track 109 : DyoEdafos_34, Kropertea_33
• Track 110 : Aegeus_39, Baudelaire_39
• Track 111 : RoseMarie_3, TpudiCK_3, TyDawg_3, SlimJimmy_3, Diminimus_4, PegLeg_3, Dulcita_4, LilhomieP_3, Auspice_3, KleverKiS_3, FreakyGoo_4, Skinny_4, Izel_4, IPhane7_3, Bricole_3, Bongo_3, Glaske16_4
• Track 112 : Reindeer_3
• Track 113 : MrMagoo_4, Estes_4, GardenSalsa_4
• Track 114 : GenevaB15_4, Aziz_4
• Track 115 : Rey_3
• Track 116 : Nanosmite_3
• Track 117 : Stellammi_51
• Track 118 : Nebkiss_43
• Track 119 : Gaia_43
• Track 120 : Ponzi_63
• Track 121 : Kumao_4
• Track 122 : Yappy_125
• Track 123 : Magritte_78

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

The start number called the most often in the published annotations is 61, it was called in 265 of the 393 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_42, 40AC_35, ABCat_38, Acquire49_33, Adnama_41, Aegeus_39, Amao_40, AmericanBeauty_40, Anaysia_34, Anon_32, Appletree2_33, Archie_36, Argent26_40, Arissanae_34, Asriel_37, Auspice_3, AvadaKedavra_33, Aziz_4, BaboJay_38, BadStone_39, Balomoji_38, Baoshan_35, Barbarian_37, Bask21_38, Baudelaire_39, Bazzle_36, Becksu_38, Bellis_34, Bellris_32, Bench_41, BigBubba_39, BigCheese_36, BilboSwaggins_39, Bimmel_68, BobsGarage_36, Bogg_39, Bongo_3, Boohoo_34, BourbonZero_33, BrainDrainer_34, Breezona_36, Brewer_38, Bricole_3, Bromden_35, Bruin_39, Buck_37, Budgie_41, BugsBunny_36, CRB1_32, Cactus_39, Calm_33, Chaser_33, ChengKai98_36, ChosenOne_38, ChotaBhai_39, ChutneyChips_34, CicholasNage_33, Cjw1_39, Claus_36, Clautastrophe_34, Command613_39, Contagion_39, Cookies_39, Crossroads_36, CrystalP_40, Czyszczon1_40, DHan_37, Daikon_39, DanBing_36, Darrell_34, Diminimus_4, DirkDirk_33, DoctorDiddles_39, Douge_33, Douzhi_33, DrDrey_41, DrSeegs_36, Dulcita_4, Dumbo_39, DuncansLeg_34, Dusk_39, DyoEdafos_34, EagleEye_35, Easy2Say_40, Elite2014_37, Ellson_34, Elph10_39, Emmina_39, Enceladus_33,

Epsocamisio_34, Estes_4, Eureka_39, FairyPath_38, Faith1_36, FarmResident_33, Filch_41, Finemlucis_36, Finnry_34, FireRed_38, Flypotenuse_36, FoghornLeghorn_38, FreakyGoo_4, Gabriela_36, Gage_40, Gail_34, Gardann_36, GardenSalsa_4, Gator_37, Gemini_41, GenevaB15_4, Glaske16_4, Glexan_37, Goku_39, GoldenSpark_40, Goldilocks_39, GooberAzure_40, Greep_39, GuuelaD_36, Hafay_36, Halena_33, HanKaySha_40, Harella_39, Henry_40, Highbury_40, Hiraya_36, Holt_40, Hoonter_40, Hopey_41, HufflyPuff_37, IHOP_38, IPhane7_3, Icee_37, Inca_37, Itos_36, Izel_4, JeTaime_41, Jeeves_33, Jobypre_34, JoeDirt_33, Jubie_34, Kahlid_36, Kanye_40, KatherineG_34, Keziacharles14_34, Kimchi_40, Kingsolomon_34, KirDoubleO7_32, KleverKiS_3, Kostya_39, Kropertea_33, Krypton555_34, LastResort_34, LeBron_33, Lewan_36, LilDestine_36, Lilac_40, LilhomieP_3, Lilizi_40, Lilpickle_37, Livelaughbron_39, LiyuLake_34, Loadrie_36, Lolly9_34, Looper_35, Luchador_36, Lucyedi_34, Lumos_34, Lynnae_36, MAckerman_33, MISSy_37, MPhalcon_37, MadamMonkfish_39, Manda_39, Marshmallow_39, Maxxinista_39, Miley16_36, Mindy_40, MinecraftSteve_35, MiniLon_34, MiniMac_34, Miniwave_38, Misfit_38, MkaliMitinis3_36, Moldemort_39, Molivier_36, MollyToe_38, Moostard_34, Mosby_38, MrMagoo_4, MsGreen_34, Murica_37, Murphy_39, Myrale_40, Nala_38, Nanosmite_3, Nebkiss_43, NelitzaMV_38, Netyap_36, Nicholas_34, Nicholasp3_36, Nimrod_38, NoSleep_39, NonchalantPear_39, OhShagHennessy_33, OrionPax_40, OverPar_36, PYPDinur_33, PaddyBaddy_40, Palpatine_38, Paperbeatsrock_40, Pat3_39, PegLeg_3, Petra64142_40, Phaja_38, Pharsalus_39, PhatBacter_38, Phaux_37, Phrux_39, Policronamos_38, Ponzi_63, Poochiewood_33, Porky_38, Ptowny_40, Pumpkin_42, Quallification_39, Quby_33, Rahalelujah_32, Rakim_39, ReMo_34, Red305_34, Reindeer_3, Rey_3, Rimmer_37, RiverMonster_38, Rosalind_34, Rose5_33, RoseMarie_3, Rossetti_36, Rumpelstiltskin_36, Saints25_40, Samty_34, Sarshaun_36, Sassay_37, ShamWow_40, ShayRa_35, Sheng711_33, ShereKhan_40, Silverleaf_33, Simpliphy_40, SirDuracell_38, Skinny_4, SlimJimmy_3, Snenia_34, SoJulia_37, Soap141_36, SophKB_38, SororFago_34, Sotrice96_38, Soups_34, Spooks_70, Stank_41, Stark_39, StellaBean_38, StolenFromERC_40, StormChicken_38, Strosahl_34, Success_71, Sunhee_33, TBrady12_40, Tarkin_40, TeamEdward_38, TeardropMSU_37, Teaspoon_40, Terminus_38, Thimble_39, Thresher_40, Toaka_32, Tomaszewski_38, Toto_39, Tourach_36, TpudiCK_3, Traaww1_36, TriFive_34, Tuco_41, TyDawg_3, Tyson_33, UPIE_33, Ukulele_39, Underpass_36, Vanisoa_33, Vetrix_36, Wamburgrxpress_33, Wiggin_41, Wigglewiggle_36, Wilder_36, Willez_37, Winky_36, Wyatt2_33, Xandras_40, YassJohnny_39, Youngblood_38, Zakai_36, Zaria_33, ZhongYanYuan_35, xkcd_39,

Genes that have the "Most Annotated" start but do not call it:
• Anthony_32, Battleship_35, CogOmlette_31, DekHockey33_34, Elle_32, FatCactus_31, Gaia_43, JSwag_34, Kumao_4, LadyBird_32, LogiBear_35, Minispark_31, Nebulosus_34, Nedarya_33, Oofda_34, PainterBoy_34, Ravana_34, Remus_34, Switzerland_34, Waits_34, Warrior24_34, Whirlwind_35, WorldCup_31,

Genes that do not have the "Most Annotated" start:
• Abscondus_60, Alsaber_50, Amela_49, Aphelion_60, Ariel_56, BAKA_63, Bachita_62, Bagrid_58, Bantam_42, Beem_59, Bobby_58, Bombitas_56, BronnyJames_53, BrutonGaster_49, Cardigan_62, Celery_52, Celia_48, ClubL_61, Conan_49, Constella_49, Courthouse_56, Cucurbita_62, Culver_62, Dallas_58, Daredevil_40, DatBoi_43, Dexers_48, DmpstrDiver_58, Dove_54, Duke13_62, Dusty_60, Ejimix_59, ElGato_49, Engineer_62, EricMillard_59, Fryberger_27, Fryberger_64, Geeche_59, Gonephishing_59, Guey18_31, Guey18_70, Halley_59,

Hannaconda_55, Hidrated_55, HokkenD_52, Hughesyang_57, Itza_48, Jhitchelle_47, JuicyJay_58, Kaine_49, Kalah2_55, KashFlow_52, Keelan_24, Keelan_63, Klein_59, Kudefre_37, LilJank_38, LittleE_59, Lozinak_61, Lucky2013_57, Magritte_78, Marleymoo_58, MiaZeal_56, Minerva_65, Miskis_58, Mollymur_44, Nanodon_50, Nekros_56, Neville_38, Nibley_51, NihilNomen_58, Norvs_61, Octobien14_39, Odette_57, Omega_61, OneUp_54, Optimus_64, Pavo_50, PhinkBoden_60, Phoebus_58, Porcelain_55, Pound_59, Provolone_50, Rabbitrun_40, Rearden_53, Redno2_56, Ronaldo_30, Ronaldo_67, Saftant_48, Schatzie_54, Sephiroth_38, Shaboozey_53, Smoothie_62, SpeedDemon_440, Speedwell_53, Squint_56, Stellammi_51, Sudan_49, SunkenRoot_49, Superphikiman_57, Syleon_38, Thibault_51, ThreeRngTarjay_57, Toniann_61, Towmatter_39, Trax_38, Urza_48, Vanseggelen_54, Verabelle_53, Verse_49, VieEnRose_48, Volt_29, Volt_67, Wanda_65, WilliamBoone_60, Xiaokay_52, Yappy_125, Yeet_57, Yosif_51, ZamZam_49, Zelink_57, Ziko_30, Ziko_67, phiCAM_46,

Summary by start number:

Start 12:
• Found in 21 of 452 (4.6%) of genes in pham
• Manual Annotations of this start: 3 of 393
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Battleship_35 (A15), Nebulosus_34 (A15), Remus_34 (A15),

Start 14:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Switzerland_34 (A15),

Start 25:
• Found in 2 of 452 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nedarya_33 (A15),

Start 32:
• Found in 2 of 452 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gaia_43 (X),

Start 40:
• Found in 10 of 452 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 20.0% of time when present
• Phage (with cluster) where this start called: BronnyJames_53 (J), Squint_56 (J),

Start 43:
• Found in 6 of 452 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Whirlwind_35 (L3),

Start 48:
• Found in 2 of 452 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anthony_32 (A20), FatCactus_31 (A20),

Start 50:
• Found in 6 of 452 (1.3%) of genes in pham
• Manual Annotations of this start: 6 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_27 (DP), Guey18_31 (DP), Keelan_24 (DP), Ronaldo_30 (DP), Volt_29 (DP), Ziko_30 (DP),

Start 51:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cardigan_62 (DD),

Start 52:
• Found in 6 of 452 (1.3%) of genes in pham
• Manual Annotations of this start: 6 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_64 (DP), Guey18_70 (DP), Keelan_63 (DP), Ronaldo_67 (DP), Volt_67 (DP), Ziko_67 (DP),

Start 53:
• Found in 2 of 452 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Verabelle_53 (BD3),

Start 54:
• Found in 25 of 452 (5.5%) of genes in pham
• Manual Annotations of this start: 23 of 393
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Abscondus_60 (CQ1), Aphelion_60 (CQ1), Bachita_62 (CQ1), BrutonGaster_49 (CQ2), ClubL_61 (CQ1), Cucurbita_62 (CQ1), Culver_62 (CQ1), Dusty_60 (CQ1), Engineer_62 (CQ1), Geeche_59 (CQ1), Kudefre_37 (DU1), Lozinak_61 (CQ1), Magritte_78 (singleton), Miskis_58 (CQ1), Norvs_61 (CQ1), Octobien14_39 (DU1), OneUp_54 (CQ2), PhinkBoden_60 (CQ1), Rabbitrun_40 (DU2), Sephiroth_38 (DU1), Smoothie_62 (CQ1), Syleon_38 (DU1), Toniann_61 (CQ1), WilliamBoone_60 (CQ1),

Start 55:
• Found in 10 of 452 (2.2%) of genes in pham
• Manual Annotations of this start: 10 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_42 (DL), Daredevil_40 (DL), DatBoi_43 (DL), LilJank_38 (DU2), Mollymur_44 (DL), Neville_38 (DU2), SpeedDemon_440 (DL), Towmatter_39 (DL), Trax_38 (DU2), Yosif_51 (BD3),

Start 56:
• Found in 5 of 452 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 20.0% of time when present
• Phage (with cluster) where this start called: PainterBoy_34 (A16),

Start 58:
• Found in 1 of 452 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumao_4 (singleton),

Start 59:
• Found in 25 of 452 (5.5%) of genes in pham
• Manual Annotations of this start: 14 of 393
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Alsaber_50 (BD3), Amela_49 (BD3), Celia_48 (BD6), Conan_49 (BD3), Dexers_48 (BD3), ElGato_49 (BD3), Itza_48 (BD6), Nanodon_50 (BD1), Saftant_48 (BD3), Speedwell_53 (BD3), SunkenRoot_49 (BD3), Urza_48 (BD6), VieEnRose_48 (BD6), ZamZam_49 (BD3), phiCAM_46 (BD3),

Start 60:
• Found in 42 of 452 (9.3%) of genes in pham
• Manual Annotations of this start: 35 of 393
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_63 (J), Bagrid_58 (J), Beem_59 (J), Bobby_58 (J), Bombitas_56 (J), Constella_49 (J), Dallas_58 (J), DmpstrDiver_58 (J), Dove_54 (J), Duke13_62 (J), Ejimix_59 (J), EricMillard_59 (J), Gonephishing_59 (J), Halley_59 (J), Hannaconda_55 (J), Hidrated_55 (J), HokkenD_52 (J), Hughesyang_57 (J), JuicyJay_58 (J), Kalah2_55 (J), KashFlow_52 (J), Klein_59 (J), LittleE_59 (J), Marleymoo_58 (J), Minerva_65 (J), Nekros_56 (J), NihilNomen_58 (J), Odette_57 (J), Omega_61 (J), Optimus_64 (J), Phoebus_58 (J), Pound_59 (J), Rearden_53 (J), Redno2_56 (J), Schatzie_54 (J), Stellammi_51 (UNK), Thibault_51 (J), ThreeRngTarjay_57 (J), Wanda_65 (J), Xiaokay_52 (J), Yeet_57 (J), Zelink_57 (J),

Start 61:
• Found in 328 of 452 (72.6%) of genes in pham
• Manual Annotations of this start: 265 of 393
• Called 93.0% of time when present
• Phage (with cluster) where this start called: 244_42 (E), 40AC_35 (A17), ABCat_38 (E), Acquire49_33 (L1), Adnama_41 (E), Aegeus_39 (L5), Amao_40 (E), AmericanBeauty_40 (E), Anaysia_34 (A15), Anon_32 (A15), Appletree2_33 (L1), Archie_36 (L2), Argent26_40 (E), Arissanae_34 (A9), Asriel_37 (E), Auspice_3 (M1), AvadaKedavra_33 (L1), Aziz_4 (M2), BaboJay_38 (E), BadStone_39 (E), Balomoji_38 (E), Baoshan_35 (L2), Barbarian_37 (E), Bask21_38 (E), Baudelaire_39 (L5), Bazzle_36 (L2), Becksu_38 (E), Bellis_34 (L3), Bellris_32 (A9), Bench_41 (E), BigBubba_39 (E), BigCheese_36 (L2), BilboSwaggins_39 (E), Bimmel_68 (BT), BobsGarage_36 (L2), Bogg_39 (E), Bongo_3 (M1), Boohoo_34 (A15), BourbonZero_33 (L3), BrainDrainer_34 (L4), Breezona_36 (L2), Brewer_38 (E), Bricole_3 (M1), Bromden_35 (L4), Bruin_39 (E), Buck_37 (E), Budgie_41 (E), BugsBunny_36 (E), CRB1_32 (A2), Cactus_39 (E), Calm_33 (L1), Chaser_33 (L4), ChengKai98_36 (L2), ChosenOne_38 (E), ChotaBhai_39 (E), ChutneyChips_34 (L4),

CicholasNage_33 (L1), Cjw1_39 (E), Claus_36 (L2), Clautastrophe_34 (L3), Command613_39 (E), Contagion_39 (E), Cookies_39 (E), Crossroads_36 (L2), CrystalP_40 (E), Czyszczon1_40 (E), DHan_37 (L2), Daikon_39 (E), DanBing_36 (L2), Darrell_34 (A9), Diminimus_4 (M1), DirkDirk_33 (L1), DoctorDiddles_39 (E), Douge_33 (L4), Douzhi_33 (L4), DrDrey_41 (E), DrSeegs_36 (L2), Dulcita_4 (M1), Dumbo_39 (E), DuncansLeg_34 (L3), Dusk_39 (E), DyoEdafos_34 (L4), EagleEye_35 (A16), Easy2Say_40 (E), Elite2014_37 (E), Ellson_34 (L3), Elph10_39 (E), Emmina_39 (E), Enceladus_33 (L1), Epsocamisio_34 (A15), Estes_4 (M2), Eureka_39 (E), FairyPath_38 (E), Faith1_36 (L2), FarmResident_33 (L4), Filch_41 (E), Finemlucis_36 (L2), Finnry_34 (L3), FireRed_38 (E), Flypotenuse_36 (E), FoghornLeghorn_38 (E), FreakyGoo_4 (M1), Gabriela_36 (L2), Gage_40 (E), Gail_34 (A14), Gardann_36 (L2), GardenSalsa_4 (M2), Gator_37 (E), Gemini_41 (E), GenevaB15_4 (M2), Glaske16_4 (M1), Glexan_37 (E), Goku_39 (E), GoldenSpark_40 (E), Goldilocks_39 (E), GooberAzure_40 (E), Greep_39 (E), GuuelaD_36 (L2), Hafay_36 (L2), Halena_33 (L1), HanKaySha_40 (E), Harella_39 (E), Henry_40 (E), Highbury_40 (E), Hiraya_36 (L2), Holt_40 (E), Hoonter_40 (E), Hopey_41 (E), HufflyPuff_37 (E), IHOP_38 (E), IPhane7_3 (M1), Icee_37 (E), Inca_37 (E), Itos_36 (L2), Izel_4 (M1), JeTaime_41 (E), Jeeves_33 (A14), Jobypre_34 (L3), JoeDirt_33 (L1), Jubie_34 (L3), Kahlid_36 (L2), Kanye_40 (E), KatherineG_34 (A15), Keziacharles14_34 (A9), Kimchi_40 (E), Kingsolomon_34 (L3), KirDoubleO7_32 (L3), KleverKiS_3 (M1), Kostya_39 (E), Kropertea_33 (L4), Krypton555_34 (L3), LastResort_34 (A15), LeBron_33 (L1), Lewan_36 (L2), LilDestine_36 (L2), Lilac_40 (E), LilhomieP_3 (M1), Lilizi_40 (E), Lilpickle_37 (E), Livelaughbron_39 (E), LiyuLake_34 (L3), Loadrie_36 (L2), Lolly9_34 (L3), Looper_35 (A15), Luchador_36 (A14), Lucyedi_34 (A16), Lumos_34 (L3), Lynnae_36 (L2), MAckerman_33 (L1), MISSy_37 (E), MPhalcon_37 (E), MadamMonkfish_39 (E), Manda_39 (E), Marshmallow_39 (E), Maxxinista_39 (E), Miley16_36 (L2), Mindy_40 (E), MinecraftSteve_35 (A15), MiniLon_34 (L3), MiniMac_34 (L3), Miniwave_38 (E), Misfit_38 (E), MkaliMitinis3_36 (L2), Moldemort_39 (E), Molivier_36 (L2), MollyToe_38 (E), Moostard_34 (L3), Mosby_38 (E), MrMagoo_4 (M2), MsGreen_34 (L3), Murica_37 (E), Murphy_39 (E), Myrale_40 (E), Nala_38 (E), Nanosmite_3 (M3), Nebkiss_43 (X), NelitzaMV_38 (E), Netyap_36 (L2), Nicholas_34 (L3), Nicholasp3_36 (L2), Nimrod_38 (E), NoSleep_39 (E), NonchalantPear_39 (E), OhShagHennessy_33 (L1), OrionPax_40 (E), OverPar_36 (L2), PYPDinur_33 (L4), PaddyBaddy_40 (E), Palpatine_38 (E), Paperbeatsrock_40 (E), Pat3_39 (E), PegLeg_3 (M1), Petra64142_40 (E), Phaja_38 (E), Pharsalus_39 (E), PhatBacter_38 (E), Phaux_37 (E), Phrux_39 (E), Policronamos_38 (E), Ponzi_63 (singleton), Poochiewood_33 (L1), Porky_38 (E), Ptowny_40 (E), Pumpkin_42 (E), Quallification_39 (E), Quby_33 (L4), Rahalelujah_32 (A9), Rakim_39 (E), ReMo_34 (A15), Red305_34 (L3), Reindeer_3 (M1), Rey_3 (M2), Rimmer_37 (E), RiverMonster_38 (E), Rosalind_34 (A15), Rose5_33 (L1), RoseMarie_3 (M1), Rossetti_36 (L2), Rumpelstiltskin_36 (L2), Saints25_40 (E), Samty_34 (L3), Sarshaun_36 (L2), Sassay_37 (E), ShamWow_40 (E), ShayRa_35 (A15), Sheng711_33 (L4), ShereKhan_40 (E), Silverleaf_33 (L1), Simpliphy_40 (E), SirDuracell_38 (E), Skinny_4 (M1), SlimJimmy_3 (M1), Snenia_34 (L3), SoJulia_37 (L2), Soap141_36 (L2), SophKB_38 (E), SororFago_34 (A14), Sotrice96_38 (E), Soups_34 (A15), Spooks_70 (BT), Stank_41 (E), Stark_39 (E), StellaBean_38 (E), StolenFromERC_40 (E), StormChicken_38 (E), Strosahl_34 (A15), Success_71 (BT), Sunhee_33 (A14), TBrady12_40 (E), Tarkin_40 (E), TeamEdward_38 (E), TeardropMSU_37 (E), Teaspoon_40 (E), Terminus_38 (E), Thimble_39 (E), Thresher_40 (E), Toaka_32 (A9), Tomaszewski_38 (E), Toto_39 (E), Tourach_36 (L2), TpudiCK_3 (M1), Traaww1_36 (E), TriFive_34 (L3), Tuco_41 (E), TyDawg_3 (M1), Tyson_33 (L1), UPIE_33 (L1), Ukulele_39 (E), Underpass_36 (L2), Vanisoa_33 (A9), Vetrix_36 (L2), Wamburgrxpress_33 (L1), Wiggin_41 (E),

Wigglewiggle_36 (L2), Wilder_36 (L2), Willez_37 (E), Winky_36 (L2), Wyatt2_33 (L1), Xandras_40 (E), YassJohnny_39 (E), Youngblood_38 (E), Zakai_36 (L2), Zaria_33 (L1), ZhongYanYuan_35 (L2), xkcd_39 (E),

Start 62:
• Found in 17 of 452 (3.8%) of genes in pham
• Manual Annotations of this start: 7 of 393
• Called 52.9% of time when present
• Phage (with cluster) where this start called: Ariel_56 (J), Courthouse_56 (J), Lucky2013_57 (J), MiaZeal_56 (J), Nibley_51 (J), Porcelain_55 (J), Shaboozey_53 (J), Superphikiman_57 (J), Yappy_125 (singleton),

Start 65:
• Found in 61 of 452 (13.5%) of genes in pham
• Manual Annotations of this start: 2 of 393
• Called 6.6% of time when present
• Phage (with cluster) where this start called: Celery_52 (BD3), Jhitchelle_47 (BD3), Pavo_50 (BD3), Vanseggelen_54 (BD3),

Start 66:
• Found in 65 of 452 (14.4%) of genes in pham
• Manual Annotations of this start: 2 of 393
• Called 3.1% of time when present
• Phage (with cluster) where this start called: Kaine_49 (BD3), Sudan_49 (BD3),

Start 67:
• Found in 29 of 452 (6.4%) of genes in pham
• Manual Annotations of this start: 2 of 393
• Called 6.9% of time when present
• Phage (with cluster) where this start called: LadyBird_32 (A2), Provolone_50 (BD3),

Start 68:
• Found in 82 of 452 (18.1%) of genes in pham
• Manual Annotations of this start: 7 of 393
• Called 9.8% of time when present
• Phage (with cluster) where this start called: DekHockey33_34 (A15), Elle_32 (A15), JSwag_34 (A15), LogiBear_35 (A15), Oofda_34 (A15), Ravana_34 (A15), Waits_34 (A15), Warrior24_34 (A15),

Start 75:
• Found in 35 of 452 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 393
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Verse_49 (BD3),

Start 83:
• Found in 10 of 452 (2.2%) of genes in pham
• No Manual Annotations of this start.
• Called 30.0% of time when present
• Phage (with cluster) where this start called: CogOmlette_31 (A9), Minispark_31 (A9), WorldCup_31 (A9),

Summary by clusters:

There are 31 clusters represented in this pham: singleton, DD, L1, DL, BT, M1, M3, M2, DP, A15, A14, A17, A16, BD6, BD1, BD3, A9, CQ2, CQ1, A2, E, J, L4, L5, L2, L3, DU1, X, UNK, DU2, A20,

Info for manual annotations of cluster A14:
•Start number 61 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 12 was manually annotated 3 times for cluster A15.
•Start number 14 was manually annotated 1 time for cluster A15.
•Start number 25 was manually annotated 1 time for cluster A15.
•Start number 61 was manually annotated 13 times for cluster A15.
•Start number 68 was manually annotated 7 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 56 was manually annotated 1 time for cluster A16.
•Start number 61 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A2:
•Start number 67 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:
•Start number 48 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A9:
•Start number 61 was manually annotated 7 times for cluster A9.

Info for manual annotations of cluster BD1:
•Start number 59 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD3:
•Start number 55 was manually annotated 1 time for cluster BD3.
•Start number 59 was manually annotated 9 times for cluster BD3.
•Start number 65 was manually annotated 2 times for cluster BD3.
•Start number 66 was manually annotated 2 times for cluster BD3.
•Start number 67 was manually annotated 1 time for cluster BD3.
•Start number 75 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster BD6:
•Start number 59 was manually annotated 4 times for cluster BD6.

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

Info for manual annotations of cluster CQ1:
•Start number 54 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 54 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DD:

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

Info for manual annotations of cluster DL:
•Start number 55 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DP:
•Start number 50 was manually annotated 6 times for cluster DP.
•Start number 52 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 54 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 54 was manually annotated 1 time for cluster DU2.
•Start number 55 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster E:
•Start number 61 was manually annotated 134 times for cluster E.

Info for manual annotations of cluster J:
•Start number 40 was manually annotated 1 time for cluster J.
•Start number 60 was manually annotated 34 times for cluster J.
•Start number 62 was manually annotated 6 times for cluster J.

Info for manual annotations of cluster L1:
•Start number 61 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 61 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 43 was manually annotated 1 time for cluster L3.
•Start number 61 was manually annotated 18 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 61 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 61 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 61 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 61 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 61 was manually annotated 1 time for cluster M3.

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

Info for manual annotations of cluster X:

•Start number 32 was manually annotated 1 time for cluster X.
•Start number 61 was manually annotated 1 time for cluster X.

Gene Information:

Gene: 244_42 Start: 34465, Stop: 34079, Start Num: 61
Candidate Starts for 244_42:
(Start: 61 @34465 has 265 MA's), (85, 34363), (90, 34339), (123, 34228), (126, 34195), (130, 34165),

Gene: 40AC_35 Start: 26822, Stop: 27181, Start Num: 61
Candidate Starts for 40AC_35:
(13, 26735), (Start: 61 @26822 has 265 MA's), (Start: 67 @26840 has 2 MA's), (Start: 68 @26846 has 7 MA's), (95, 26975), (99, 26996),

Gene: ABCat_38 Start: 34630, Stop: 34244, Start Num: 61
Candidate Starts for ABCat_38:
(Start: 61 @34630 has 265 MA's), (85, 34528), (90, 34504), (123, 34393), (126, 34360), (130, 34330),

Gene: Abscondus_60 Start: 40984, Stop: 40649, Start Num: 54
Candidate Starts for Abscondus_60:
(Start: 54 @40984 has 23 MA's), (Start: 65 @40960 has 2 MA's), (Start: 66 @40957 has 2 MA's), (80, 40888), (89, 40852), (102, 40786), (103, 40783), (126, 40708), (129, 40690), (131, 40675),

Gene: Acquire49_33 Start: 29496, Stop: 29068, Start Num: 61
Candidate Starts for Acquire49_33:
(Start: 61 @29496 has 265 MA's), (Start: 68 @29472 has 7 MA's), (93, 29355), (102, 29307), (131, 29178),

Gene: Adnama_41 Start: 34470, Stop: 34084, Start Num: 61
Candidate Starts for Adnama_41:
(Start: 61 @34470 has 265 MA's), (85, 34368), (90, 34344), (123, 34233), (126, 34200), (130, 34170),

Gene: Aegeus_39 Start: 33436, Stop: 33011, Start Num: 61
Candidate Starts for Aegeus_39:
(Start: 61 @33436 has 265 MA's), (87, 33322), (98, 33265), (117, 33211), (126, 33154), (139, 33022),

Gene: Alsaber_50 Start: 35678, Stop: 36004, Start Num: 59
Candidate Starts for Alsaber_50:
(Start: 59 @35678 has 14 MA's), (Start: 66 @35696 has 2 MA's), (Start: 75 @35744 has 1 MA's), (79, 35756), (93, 35819), (100, 35849), (130, 35972),

Gene: Amao_40 Start: 33851, Stop: 33465, Start Num: 61
Candidate Starts for Amao_40:
(3, 34055), (Start: 61 @33851 has 265 MA's), (85, 33749), (90, 33725), (123, 33614), (126, 33581), (130, 33551),

Gene: Amela_49 Start: 36527, Stop: 36853, Start Num: 59
Candidate Starts for Amela_49:
(Start: 59 @36527 has 14 MA's), (Start: 65 @36542 has 2 MA's), (Start: 67 @36548 has 2 MA's), (Start: 75 @36593 has 1 MA's), (79, 36605), (80, 36614), (90, 36656), (91, 36659), (100, 36698), (125, 36785), (130, 36821),

Gene: AmericanBeauty_40 Start: 33950, Stop: 33564, Start Num: 61
Candidate Starts for AmericanBeauty_40:
(Start: 61 @33950 has 265 MA's), (85, 33848), (90, 33824), (123, 33713), (126, 33680), (130, 33650),

Gene: Anaysia_34 Start: 23538, Stop: 23894, Start Num: 61
Candidate Starts for Anaysia_34:
(Start: 12 @23448 has 3 MA's), (47, 23520), (Start: 61 @23538 has 265 MA's), (Start: 65 @23550 has 2 MA's), (Start: 68 @23562 has 7 MA's), (77, 23607), (90, 23664), (93, 23676), (109, 23739), (128, 23847), (131, 23865),

Gene: Anon_32 Start: 23487, Stop: 23831, Start Num: 61
Candidate Starts for Anon_32:
(11, 23394), (Start: 61 @23487 has 265 MA's), (Start: 65 @23499 has 2 MA's), (Start: 68 @23511 has 7 MA's), (Start: 75 @23550 has 1 MA's), (91, 23616), (93, 23625), (128, 23787),

Gene: Anthony_32 Start: 23232, Stop: 23600, Start Num: 48
Candidate Starts for Anthony_32:
(Start: 48 @23232 has 2 MA's), (Start: 61 @23250 has 265 MA's), (76, 23319), (97, 23418), (99, 23424), (131, 23568),

Gene: Aphelion_60 Start: 41253, Stop: 40918, Start Num: 54
Candidate Starts for Aphelion_60:
(Start: 54 @41253 has 23 MA's), (Start: 65 @41229 has 2 MA's), (Start: 66 @41226 has 2 MA's), (80, 41157), (89, 41121), (102, 41055), (103, 41052), (126, 40977), (129, 40959), (131, 40944),

Gene: Appletree2_33 Start: 29439, Stop: 29011, Start Num: 61
Candidate Starts for Appletree2_33:
(Start: 61 @29439 has 265 MA's), (Start: 68 @29415 has 7 MA's), (93, 29298), (102, 29250), (131, 29121),

Gene: Archie_36 Start: 31163, Stop: 30699, Start Num: 61
Candidate Starts for Archie_36:
(Start: 61 @31163 has 265 MA's), (84, 31064), (85, 31058), (93, 31022), (96, 31004), (126, 30878),

Gene: Argent26_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for Argent26_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Ariel_56 Start: 42419, Stop: 42060, Start Num: 62
Candidate Starts for Ariel_56:
(Start: 40 @42458 has 1 MA's), (Start: 62 @42419 has 7 MA's), (Start: 68 @42404 has 7 MA's), (114, 42206),

Gene: Arissanae_34 Start: 26502, Stop: 26858, Start Num: 61
Candidate Starts for Arissanae_34:
(16, 26415), (Start: 61 @26502 has 265 MA's), (Start: 67 @26520 has 2 MA's), (Start: 68 @26526 has 7 MA's),

Gene: Asriel_37 Start: 32807, Stop: 32421, Start Num: 61
Candidate Starts for Asriel_37:
(Start: 61 @32807 has 265 MA's), (85, 32705), (90, 32681), (123, 32570), (126, 32537), (130, 32507),

Gene: Auspice_3 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for Auspice_3:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: AvadaKedavra_33 Start: 29506, Stop: 29078, Start Num: 61
Candidate Starts for AvadaKedavra_33:
(Start: 61 @29506 has 265 MA's), (Start: 68 @29482 has 7 MA's), (93, 29365), (102, 29317), (131, 29188),

Gene: Aziz_4 Start: 1899, Stop: 1510, Start Num: 61
Candidate Starts for Aziz_4:
(Start: 61 @1899 has 265 MA's), (Start: 65 @1887 has 2 MA's), (Start: 68 @1875 has 7 MA's), (74, 1836), (107, 1674),

Gene: BAKA_63 Start: 46516, Stop: 46166, Start Num: 60
Candidate Starts for BAKA_63:
(Start: 60 @46516 has 35 MA's), (Start: 66 @46504 has 2 MA's), (69, 46498), (110, 46315), (121, 46288), (126, 46246),

Gene: BaboJay_38 Start: 34028, Stop: 33642, Start Num: 61
Candidate Starts for BaboJay_38:
(Start: 61 @34028 has 265 MA's), (85, 33926), (90, 33902), (123, 33791), (126, 33758), (130, 33728),

Gene: Bachita_62 Start: 41686, Stop: 41351, Start Num: 54
Candidate Starts for Bachita_62:
(Start: 54 @41686 has 23 MA's), (Start: 65 @41662 has 2 MA's), (Start: 66 @41659 has 2 MA's), (80, 41590), (89, 41554), (102, 41488), (103, 41485), (126, 41410), (129, 41392), (131, 41377),

Gene: BadStone_39 Start: 34768, Stop: 34382, Start Num: 61
Candidate Starts for BadStone_39:
(Start: 61 @34768 has 265 MA's), (85, 34666), (90, 34642), (123, 34531), (126, 34498), (130, 34468),

Gene: Bagrid_58 Start: 45849, Stop: 45499, Start Num: 60
Candidate Starts for Bagrid_58:
(Start: 60 @45849 has 35 MA's), (Start: 66 @45837 has 2 MA's), (69, 45831), (110, 45648), (121, 45621), (126, 45579),

Gene: Balomoji_38 Start: 34364, Stop: 33978, Start Num: 61
Candidate Starts for Balomoji_38:
(Start: 61 @34364 has 265 MA's), (85, 34262), (90, 34238), (123, 34127), (126, 34094), (130, 34064),

Gene: Bantam_42 Start: 39895, Stop: 39533, Start Num: 55
Candidate Starts for Bantam_42:
(8, 40018), (39, 39928), (Start: 55 @39895 has 10 MA's), (Start: 68 @39862 has 7 MA's), (72, 39832), (73, 39829), (Start: 75 @39823 has 1 MA's), (94, 39739), (121, 39637),

Gene: Baoshan_35 Start: 30506, Stop: 30036, Start Num: 61
Candidate Starts for Baoshan_35:
(Start: 61 @30506 has 265 MA's), (79, 30428), (80, 30419), (93, 30365), (120, 30269), (126, 30221), (131, 30188),

Gene: Barbarian_37 Start: 32807, Stop: 32421, Start Num: 61
Candidate Starts for Barbarian_37:

(Start: 61 @32807 has 265 MA's), (85, 32705), (90, 32681), (123, 32570), (126, 32537), (130, 32507),

Gene: Bask21_38 Start: 33141, Stop: 32755, Start Num: 61
Candidate Starts for Bask21_38:
(Start: 61 @33141 has 265 MA's), (85, 33039), (90, 33015), (123, 32904), (126, 32871), (130, 32841),

Gene: Battleship_35 Start: 23560, Stop: 24006, Start Num: 12
Candidate Starts for Battleship_35:
(Start: 12 @23560 has 3 MA's), (47, 23632), (Start: 61 @23650 has 265 MA's), (Start: 68 @23674 has 7 MA's), (77, 23719), (90, 23776), (93, 23788), (109, 23851), (128, 23959), (131, 23977),

Gene: Baudelaire_39 Start: 33436, Stop: 33011, Start Num: 61
Candidate Starts for Baudelaire_39:
(Start: 61 @33436 has 265 MA's), (87, 33322), (98, 33265), (117, 33211), (126, 33154), (139, 33022),

Gene: Bazzle_36 Start: 30912, Stop: 30448, Start Num: 61
Candidate Starts for Bazzle_36:
(Start: 61 @30912 has 265 MA's), (93, 30771), (96, 30753), (120, 30675),

Gene: Becksu_38 Start: 34129, Stop: 33743, Start Num: 61
Candidate Starts for Becksu_38:
(Start: 61 @34129 has 265 MA's), (85, 34027), (90, 34003), (123, 33892), (126, 33859), (130, 33829),

Gene: Beem_59 Start: 46415, Stop: 46065, Start Num: 60
Candidate Starts for Beem_59:
(Start: 60 @46415 has 35 MA's), (Start: 66 @46403 has 2 MA's), (69, 46397), (110, 46214), (121, 46187), (126, 46145),

Gene: Bellis_34 Start: 30922, Stop: 30485, Start Num: 61
Candidate Starts for Bellis_34:
(Start: 61 @30922 has 265 MA's), (93, 30781), (125, 30637), (131, 30598),

Gene: Bellris_32 Start: 24692, Stop: 25045, Start Num: 61
Candidate Starts for Bellris_32:
(42, 24662), (Start: 61 @24692 has 265 MA's), (Start: 67 @24710 has 2 MA's), (Start: 68 @24716 has 7 MA's), (83, 24788), (131, 25013),

Gene: Bench_41 Start: 34046, Stop: 33660, Start Num: 61
Candidate Starts for Bench_41:
(Start: 61 @34046 has 265 MA's), (85, 33944), (90, 33920), (123, 33809), (126, 33776), (130, 33746),

Gene: BigBubba_39 Start: 33709, Stop: 33323, Start Num: 61
Candidate Starts for BigBubba_39:
(3, 33913), (Start: 61 @33709 has 265 MA's), (85, 33607), (90, 33583), (123, 33472), (126, 33439), (130, 33409),

Gene: BigCheese_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for BigCheese_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: BilboSwaggins_39 Start: 34638, Stop: 34252, Start Num: 61
Candidate Starts for BilboSwaggins_39:
(Start: 61 @34638 has 265 MA's), (85, 34536), (90, 34512), (123, 34401), (126, 34368), (130, 34338),

Gene: Bimmel_68 Start: 45702, Stop: 45361, Start Num: 61
Candidate Starts for Bimmel_68:
(Start: 61 @45702 has 265 MA's), (Start: 75 @45639 has 1 MA's), (86, 45594), (110, 45492),

Gene: Bobby_58 Start: 45361, Stop: 45011, Start Num: 60
Candidate Starts for Bobby_58:
(Start: 60 @45361 has 35 MA's), (Start: 66 @45349 has 2 MA's), (69, 45343), (110, 45160), (126, 45091),

Gene: BobsGarage_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for BobsGarage_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Bogg_39 Start: 33378, Stop: 32992, Start Num: 61
Candidate Starts for Bogg_39:
(Start: 61 @33378 has 265 MA's), (85, 33276), (90, 33252), (123, 33141), (126, 33108), (130, 33078),

Gene: Bombitas_56 Start: 46010, Stop: 45660, Start Num: 60
Candidate Starts for Bombitas_56:
(Start: 60 @46010 has 35 MA's), (Start: 66 @45998 has 2 MA's), (69, 45992), (110, 45809), (121, 45782), (126, 45740),

Gene: Bongo_3 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for Bongo_3:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: Boohoo_34 Start: 23538, Stop: 23894, Start Num: 61
Candidate Starts for Boohoo_34:
(Start: 12 @23448 has 3 MA's), (47, 23520), (Start: 61 @23538 has 265 MA's), (Start: 65 @23550 has 2 MA's), (Start: 68 @23562 has 7 MA's), (77, 23607), (90, 23664), (93, 23676), (109, 23739), (128, 23847), (131, 23865),

Gene: BourbonZero_33 Start: 30875, Stop: 30438, Start Num: 61
Candidate Starts for BourbonZero_33:
(27, 30932), (Start: 43 @30905 has 1 MA's), (Start: 61 @30875 has 265 MA's), (93, 30734), (125, 30590), (131, 30551),

Gene: BrainDrainer_34 Start: 29766, Stop: 29308, Start Num: 61
Candidate Starts for BrainDrainer_34:
(20, 29835), (26, 29817), (Start: 61 @29766 has 265 MA's), (73, 29706), (79, 29688), (126, 29484), (131, 29451), (138, 29352),

Gene: Breezona_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Breezona_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Brewer_38 Start: 34211, Stop: 33825, Start Num: 61
Candidate Starts for Brewer_38:
(Start: 61 @34211 has 265 MA's), (85, 34109), (90, 34085), (123, 33974), (126, 33941), (130, 33911),

Gene: Bricole_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Bricole_3:

(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Bromden_35 Start: 30186, Stop: 29725, Start Num: 61
Candidate Starts for Bromden_35:
(35, 30225), (Start: 61 @30186 has 265 MA's), (79, 30108), (126, 29901), (131, 29868), (138, 29769),

Gene: BronnyJames_53 Start: 41173, Stop: 40775, Start Num: 40
Candidate Starts for BronnyJames_53:
(Start: 40 @41173 has 1 MA's), (Start: 62 @41134 has 7 MA's),

Gene: Bruin_39 Start: 34205, Stop: 33819, Start Num: 61
Candidate Starts for Bruin_39:
(Start: 61 @34205 has 265 MA's), (85, 34103), (90, 34079), (123, 33968), (126, 33935), (130, 33905),

Gene: BrutonGaster_49 Start: 39010, Stop: 38663, Start Num: 54
Candidate Starts for BrutonGaster_49:
(Start: 54 @39010 has 23 MA's), (89, 38878),

Gene: Buck_37 Start: 33902, Stop: 33516, Start Num: 61
Candidate Starts for Buck_37:
(Start: 61 @33902 has 265 MA's), (85, 33800), (90, 33776), (123, 33665), (126, 33632), (130, 33602),

Gene: Budgie_41 Start: 33608, Stop: 33219, Start Num: 61
Candidate Starts for Budgie_41:
(Start: 61 @33608 has 265 MA's), (81, 33521), (82, 33518), (87, 33497), (90, 33482), (103, 33419), (108, 33407), (111, 33401), (130, 33302),

Gene: BugsBunny_36 Start: 33535, Stop: 33149, Start Num: 61
Candidate Starts for BugsBunny_36:
(Start: 61 @33535 has 265 MA's), (85, 33433), (90, 33409), (123, 33298), (126, 33265), (130, 33235),

Gene: CRB1_32 Start: 25014, Stop: 25373, Start Num: 61
Candidate Starts for CRB1_32:
(Start: 61 @25014 has 265 MA's), (Start: 67 @25032 has 2 MA's), (Start: 68 @25038 has 7 MA's), (73, 25074), (85, 25119), (99, 25188), (111, 25233),

Gene: Cactus_39 Start: 33174, Stop: 32788, Start Num: 61
Candidate Starts for Cactus_39:
(Start: 61 @33174 has 265 MA's), (85, 33072), (90, 33048), (123, 32937), (126, 32904), (130, 32874),

Gene: Calm_33 Start: 29511, Stop: 29083, Start Num: 61
Candidate Starts for Calm_33:
(Start: 61 @29511 has 265 MA's), (Start: 68 @29487 has 7 MA's), (93, 29370), (102, 29322), (131, 29193),

Gene: Cardigan_62 Start: 45029, Stop: 44694, Start Num: 51
Candidate Starts for Cardigan_62:
(Start: 51 @45029 has 1 MA's), (83, 44930), (133, 44705),

Gene: Celery_52 Start: 35658, Stop: 35966, Start Num: 65
Candidate Starts for Celery_52:
(53, 35634), (Start: 59 @35643 has 14 MA's), (Start: 65 @35658 has 2 MA's), (69, 35673), (90, 35772), (91, 35775), (93, 35784), (100, 35814), (120, 35856), (130, 35934),

Gene: Celia_48 Start: 32359, Stop: 32676, Start Num: 59
Candidate Starts for Celia_48:
(5, 32185), (9, 32233), (34, 32311), (Start: 59 @32359 has 14 MA's), (119, 32560), (124, 32590), (126, 32608), (129, 32626), (130, 32638), (133, 32662),

Gene: Chaser_33 Start: 29584, Stop: 29126, Start Num: 61
Candidate Starts for Chaser_33:
(17, 29662), (20, 29653), (26, 29635), (Start: 61 @29584 has 265 MA's), (79, 29506), (126, 29302),

Gene: ChengKai98_36 Start: 30676, Stop: 30215, Start Num: 61
Candidate Starts for ChengKai98_36:
(Start: 61 @30676 has 265 MA's), (80, 30589), (93, 30535), (96, 30517), (120, 30439), (126, 30391),

Gene: ChosenOne_38 Start: 33171, Stop: 32785, Start Num: 61
Candidate Starts for ChosenOne_38:
(Start: 61 @33171 has 265 MA's), (85, 33069), (90, 33045), (123, 32934), (126, 32901), (130, 32871),

Gene: ChotaBhai_39 Start: 33303, Stop: 32917, Start Num: 61
Candidate Starts for ChotaBhai_39:
(3, 33507), (Start: 61 @33303 has 265 MA's), (85, 33201), (90, 33177), (123, 33066), (126, 33033), (130, 33003),

Gene: ChutneyChips_34 Start: 29763, Stop: 29305, Start Num: 61
Candidate Starts for ChutneyChips_34:
(17, 29841), (20, 29832), (26, 29814), (Start: 61 @29763 has 265 MA's), (Start: 68 @29739 has 7 MA's), (73, 29703), (79, 29685), (126, 29481),

Gene: CicholasNage_33 Start: 29498, Stop: 29070, Start Num: 61
Candidate Starts for CicholasNage_33:
(Start: 61 @29498 has 265 MA's), (Start: 68 @29474 has 7 MA's), (93, 29357), (102, 29309), (131, 29180),

Gene: Cjw1_39 Start: 34945, Stop: 34559, Start Num: 61
Candidate Starts for Cjw1_39:
(Start: 61 @34945 has 265 MA's), (85, 34843), (90, 34819), (123, 34708), (126, 34675), (130, 34645),

Gene: Claus_36 Start: 30661, Stop: 30191, Start Num: 61
Candidate Starts for Claus_36:
(Start: 61 @30661 has 265 MA's), (80, 30574), (93, 30520), (120, 30424), (126, 30376), (131, 30343),

Gene: Clautastrophe_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for Clautastrophe_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: ClubL_61 Start: 41176, Stop: 40841, Start Num: 54
Candidate Starts for ClubL_61:
(Start: 54 @41176 has 23 MA's), (Start: 65 @41152 has 2 MA's), (Start: 66 @41149 has 2 MA's), (80, 41080), (89, 41044), (102, 40978), (103, 40975), (126, 40900), (129, 40882), (131, 40867),

Gene: CogOmlette_31 Start: 24788, Stop: 25045, Start Num: 83
Candidate Starts for CogOmlette_31:

(42, 24662), (Start: 61 @24692 has 265 MA's), (Start: 67 @24710 has 2 MA's), (Start: 68 @24716 has 7 MA's), (83, 24788), (131, 25013),

Gene: Command613_39 Start: 34213, Stop: 33827, Start Num: 61
Candidate Starts for Command613_39:
(Start: 61 @34213 has 265 MA's), (85, 34111), (90, 34087), (123, 33976), (126, 33943), (130, 33913),

Gene: Conan_49 Start: 35348, Stop: 35674, Start Num: 59
Candidate Starts for Conan_49:
(Start: 59 @35348 has 14 MA's), (Start: 65 @35363 has 2 MA's), (Start: 67 @35369 has 2 MA's), (69, 35378), (Start: 75 @35414 has 1 MA's), (79, 35426), (90, 35477), (91, 35480), (100, 35519), (125, 35606), (130, 35642),

Gene: Constella_49 Start: 42452, Stop: 42102, Start Num: 60
Candidate Starts for Constella_49:
(Start: 60 @42452 has 35 MA's), (Start: 66 @42440 has 2 MA's), (69, 42434), (110, 42251), (121, 42224), (126, 42182),

Gene: Contagion_39 Start: 33689, Stop: 33303, Start Num: 61
Candidate Starts for Contagion_39:
(Start: 61 @33689 has 265 MA's), (85, 33587), (90, 33563), (123, 33452), (126, 33419), (130, 33389),

Gene: Cookies_39 Start: 34054, Stop: 33668, Start Num: 61
Candidate Starts for Cookies_39:
(Start: 61 @34054 has 265 MA's), (85, 33952), (90, 33928), (123, 33817), (126, 33784), (130, 33754),

Gene: Courthouse_56 Start: 42823, Stop: 42464, Start Num: 62
Candidate Starts for Courthouse_56:
(Start: 40 @42862 has 1 MA's), (Start: 62 @42823 has 7 MA's), (Start: 68 @42808 has 7 MA's), (114, 42610),

Gene: Crossroads_36 Start: 30676, Stop: 30215, Start Num: 61
Candidate Starts for Crossroads_36:
(Start: 61 @30676 has 265 MA's), (80, 30589), (93, 30535), (120, 30439), (126, 30391),

Gene: CrystalP_40 Start: 34638, Stop: 34252, Start Num: 61
Candidate Starts for CrystalP_40:
(Start: 61 @34638 has 265 MA's), (85, 34536), (90, 34512), (123, 34401), (126, 34368), (130, 34338),

Gene: Cucurbita_62 Start: 42545, Stop: 42210, Start Num: 54
Candidate Starts for Cucurbita_62:
(Start: 54 @42545 has 23 MA's), (Start: 65 @42521 has 2 MA's), (Start: 66 @42518 has 2 MA's), (80, 42449), (89, 42413), (102, 42347), (103, 42344), (126, 42269), (129, 42251), (131, 42236),

Gene: Culver_62 Start: 40856, Stop: 40521, Start Num: 54
Candidate Starts for Culver_62:
(Start: 54 @40856 has 23 MA's), (Start: 65 @40832 has 2 MA's), (Start: 66 @40829 has 2 MA's), (80, 40760), (89, 40724), (102, 40658), (103, 40655), (126, 40580), (129, 40562), (131, 40547),

Gene: Czyszczon1_40 Start: 33930, Stop: 33544, Start Num: 61
Candidate Starts for Czyszczon1_40:
(Start: 61 @33930 has 265 MA's), (85, 33828), (90, 33804), (123, 33693), (126, 33660), (130, 33630),

Gene: DHan_37 Start: 30598, Stop: 30128, Start Num: 61
Candidate Starts for DHan_37:
(Start: 61 @30598 has 265 MA's), (80, 30511), (93, 30457), (120, 30361), (126, 30313), (131, 30280),

Gene: Daikon_39 Start: 34385, Stop: 33999, Start Num: 61
Candidate Starts for Daikon_39:
(Start: 61 @34385 has 265 MA's), (85, 34283), (90, 34259), (123, 34148), (126, 34115), (130, 34085),

Gene: Dallas_58 Start: 45336, Stop: 44986, Start Num: 60
Candidate Starts for Dallas_58:
(Start: 60 @45336 has 35 MA's), (Start: 66 @45324 has 2 MA's), (69, 45318), (110, 45135), (121, 45108), (126, 45066),

Gene: DanBing_36 Start: 30502, Stop: 30032, Start Num: 61
Candidate Starts for DanBing_36:
(Start: 61 @30502 has 265 MA's), (79, 30424), (80, 30415), (93, 30361), (120, 30265), (126, 30217), (131, 30184),

Gene: Daredevil_40 Start: 36674, Stop: 36315, Start Num: 55
Candidate Starts for Daredevil_40:
(Start: 55 @36674 has 10 MA's), (72, 36611), (73, 36608), (80, 36581), (84, 36569), (93, 36527), (121, 36419), (123, 36410), (124, 36395), (126, 36377),

Gene: Darrell_34 Start: 26216, Stop: 26572, Start Num: 61
Candidate Starts for Darrell_34:
(Start: 61 @26216 has 265 MA's), (Start: 67 @26234 has 2 MA's), (Start: 68 @26240 has 7 MA's), (83, 26312), (90, 26345), (110, 26429),

Gene: DatBoi_43 Start: 39944, Stop: 39582, Start Num: 55
Candidate Starts for DatBoi_43:
(Start: 55 @39944 has 10 MA's), (Start: 68 @39911 has 7 MA's), (72, 39881), (73, 39878), (94, 39788), (121, 39686),

Gene: DekHockey33_34 Start: 23681, Stop: 24013, Start Num: 68
Candidate Starts for DekHockey33_34:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: Dexers_48 Start: 35583, Stop: 35906, Start Num: 59
Candidate Starts for Dexers_48:
(Start: 59 @35583 has 14 MA's), (Start: 66 @35601 has 2 MA's), (Start: 75 @35649 has 1 MA's), (79, 35661), (90, 35712), (91, 35715), (95, 35736), (100, 35754), (130, 35874),

Gene: Diminimus_4 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Diminimus_4:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: DirkDirk_33 Start: 29496, Stop: 29068, Start Num: 61
Candidate Starts for DirkDirk_33:
(Start: 61 @29496 has 265 MA's), (Start: 68 @29472 has 7 MA's), (93, 29355), (102, 29307), (131, 29178),

Gene: DmpstrDiver_58 Start: 45763, Stop: 45413, Start Num: 60
Candidate Starts for DmpstrDiver_58:
(Start: 60 @45763 has 35 MA's), (Start: 66 @45751 has 2 MA's), (69, 45745), (90, 45646), (110, 45562), (126, 45493),

Gene: DoctorDiddles_39 Start: 33219, Stop: 32833, Start Num: 61
Candidate Starts for DoctorDiddles_39:
(3, 33423), (Start: 61 @33219 has 265 MA's), (85, 33117), (90, 33093), (123, 32982), (126, 32949), (130, 32919),

Gene: Douge_33 Start: 29522, Stop: 29064, Start Num: 61
Candidate Starts for Douge_33:
(17, 29600), (20, 29591), (26, 29573), (Start: 61 @29522 has 265 MA's), (73, 29462), (79, 29444), (126, 29240), (131, 29207), (138, 29108),

Gene: Douzhi_33 Start: 29627, Stop: 29169, Start Num: 61
Candidate Starts for Douzhi_33:
(20, 29696), (26, 29678), (Start: 61 @29627 has 265 MA's), (73, 29567), (79, 29549), (126, 29345), (131, 29312), (138, 29213),

Gene: Dove_54 Start: 45376, Stop: 45026, Start Num: 60
Candidate Starts for Dove_54:
(Start: 60 @45376 has 35 MA's), (Start: 66 @45364 has 2 MA's), (69, 45358), (110, 45175), (121, 45148), (126, 45106),

Gene: DrDrey_41 Start: 35267, Stop: 34881, Start Num: 61
Candidate Starts for DrDrey_41:
(Start: 61 @35267 has 265 MA's), (85, 35165), (90, 35141), (123, 35030), (126, 34997), (130, 34967),

Gene: DrSeegs_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for DrSeegs_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Duke13_62 Start: 46283, Stop: 45933, Start Num: 60
Candidate Starts for Duke13_62:
(Start: 60 @46283 has 35 MA's), (Start: 66 @46271 has 2 MA's), (69, 46265), (110, 46082), (121, 46055), (126, 46013),

Gene: Dulcita_4 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Dulcita_4:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Dumbo_39 Start: 33652, Stop: 33266, Start Num: 61
Candidate Starts for Dumbo_39:
(Start: 61 @33652 has 265 MA's), (85, 33550), (90, 33526), (123, 33415), (126, 33382), (130, 33352),

Gene: DuncansLeg_34 Start: 30910, Stop: 30473, Start Num: 61
Candidate Starts for DuncansLeg_34:
(Start: 61 @30910 has 265 MA's), (93, 30769), (125, 30625), (131, 30586),

Gene: Dusk_39 Start: 34428, Stop: 34042, Start Num: 61
Candidate Starts for Dusk_39:
(Start: 61 @34428 has 265 MA's), (85, 34326), (90, 34302), (123, 34191), (126, 34158), (130, 34128),

Gene: Dusty_60 Start: 40991, Stop: 40656, Start Num: 54
Candidate Starts for Dusty_60:
(Start: 54 @40991 has 23 MA's), (Start: 65 @40967 has 2 MA's), (Start: 66 @40964 has 2 MA's), (80, 40895), (89, 40859), (102, 40793), (103, 40790), (126, 40715), (129, 40697), (131, 40682),

Gene: DyoEdafos_34 Start: 29729, Stop: 29259, Start Num: 61
Candidate Starts for DyoEdafos_34:
(Start: 61 @29729 has 265 MA's), (80, 29642), (84, 29630), (93, 29588), (126, 29438), (135, 29375),

Gene: EagleEye_35 Start: 25247, Stop: 25606, Start Num: 61
Candidate Starts for EagleEye_35:
(Start: 56 @25241 has 1 MA's), (Start: 61 @25247 has 265 MA's), (Start: 67 @25265 has 2 MA's), (Start: 68 @25271 has 7 MA's), (76, 25316), (92, 25385), (99, 25421), (130, 25571), (132, 25586),

Gene: Easy2Say_40 Start: 35196, Stop: 34810, Start Num: 61
Candidate Starts for Easy2Say_40:
(Start: 61 @35196 has 265 MA's), (85, 35094), (90, 35070), (123, 34959), (126, 34926), (130, 34896),

Gene: Ejimix_59 Start: 47200, Stop: 46850, Start Num: 60
Candidate Starts for Ejimix_59:
(Start: 60 @47200 has 35 MA's), (Start: 66 @47188 has 2 MA's), (69, 47182), (110, 46999), (121, 46972), (126, 46930),

Gene: ElGato_49 Start: 35012, Stop: 35338, Start Num: 59
Candidate Starts for ElGato_49:
(Start: 59 @35012 has 14 MA's), (Start: 65 @35027 has 2 MA's), (Start: 67 @35033 has 2 MA's), (69, 35042), (Start: 75 @35078 has 1 MA's), (79, 35090), (90, 35141), (91, 35144), (100, 35183), (125, 35270), (130, 35306),

Gene: Elite2014_37 Start: 33170, Stop: 32784, Start Num: 61
Candidate Starts for Elite2014_37:
(Start: 61 @33170 has 265 MA's), (85, 33068), (90, 33044), (123, 32933), (126, 32900), (130, 32870),

Gene: Elle_32 Start: 22846, Stop: 23160, Start Num: 68
Candidate Starts for Elle_32:
(16, 22747), (22, 22765), (Start: 25 @22774 has 1 MA's), (31, 22783), (38, 22795), (Start: 61 @22822 has 265 MA's), (Start: 65 @22834 has 2 MA's), (Start: 68 @22846 has 7 MA's), (77, 22891), (90, 22948), (92, 22957), (110, 23023), (128, 23113), (131, 23131),

Gene: Ellson_34 Start: 30887, Stop: 30450, Start Num: 61
Candidate Starts for Ellson_34:
(27, 30944), (Start: 43 @30917 has 1 MA's), (Start: 61 @30887 has 265 MA's), (93, 30746), (125, 30602), (131, 30563),

Gene: Elph10_39 Start: 33416, Stop: 33030, Start Num: 61
Candidate Starts for Elph10_39:
(Start: 61 @33416 has 265 MA's), (85, 33314), (90, 33290), (123, 33179), (126, 33146), (130, 33116),

Gene: Emmina_39 Start: 33873, Stop: 33487, Start Num: 61
Candidate Starts for Emmina_39:
(Start: 61 @33873 has 265 MA's), (85, 33771), (90, 33747), (123, 33636), (126, 33603), (130, 33573),

Gene: Enceladus_33 Start: 29480, Stop: 29052, Start Num: 61
Candidate Starts for Enceladus_33:
(Start: 61 @29480 has 265 MA's), (Start: 68 @29456 has 7 MA's), (93, 29339), (102, 29291), (131, 29162),

Gene: Engineer_62 Start: 41659, Stop: 41324, Start Num: 54
Candidate Starts for Engineer_62:
(Start: 54 @41659 has 23 MA's), (Start: 65 @41635 has 2 MA's), (Start: 66 @41632 has 2 MA's), (80, 41563), (89, 41527), (102, 41461), (103, 41458), (126, 41383), (129, 41365), (131, 41350),

Gene: Epsocamisio_34 Start: 23535, Stop: 23891, Start Num: 61
Candidate Starts for Epsocamisio_34:
(Start: 12 @23445 has 3 MA's), (47, 23517), (Start: 61 @23535 has 265 MA's), (Start: 65 @23547 has 2 MA's), (Start: 68 @23559 has 7 MA's), (77, 23604), (90, 23661), (93, 23673), (109, 23736), (128, 23844), (131, 23862),

Gene: EricMillard_59 Start: 46701, Stop: 46351, Start Num: 60
Candidate Starts for EricMillard_59:
(Start: 60 @46701 has 35 MA's), (Start: 66 @46689 has 2 MA's), (69, 46683), (110, 46500), (121, 46473), (126, 46431),

Gene: Estes_4 Start: 1910, Stop: 1521, Start Num: 61
Candidate Starts for Estes_4:
(Start: 61 @1910 has 265 MA's), (Start: 65 @1898 has 2 MA's), (Start: 68 @1886 has 7 MA's), (74, 1847), (92, 1772), (95, 1757), (107, 1685),

Gene: Eureka_39 Start: 34461, Stop: 34075, Start Num: 61
Candidate Starts for Eureka_39:
(Start: 61 @34461 has 265 MA's), (85, 34359), (90, 34335), (123, 34224), (126, 34191), (130, 34161),

Gene: FairyPath_38 Start: 34158, Stop: 33772, Start Num: 61
Candidate Starts for FairyPath_38:
(Start: 61 @34158 has 265 MA's), (85, 34056), (90, 34032), (123, 33921), (126, 33888), (130, 33858),

Gene: Faith1_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Faith1_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: FarmResident_33 Start: 29566, Stop: 29108, Start Num: 61
Candidate Starts for FarmResident_33:
(20, 29635), (26, 29617), (Start: 61 @29566 has 265 MA's), (73, 29506), (79, 29488), (126, 29284), (131, 29251), (138, 29152),

Gene: FatCactus_31 Start: 23161, Stop: 23538, Start Num: 48
Candidate Starts for FatCactus_31:
(4, 22990), (Start: 48 @23161 has 2 MA's), (Start: 61 @23179 has 265 MA's), (91, 23311), (99, 23353),

Gene: Filch_41 Start: 33944, Stop: 33558, Start Num: 61
Candidate Starts for Filch_41:
(Start: 61 @33944 has 265 MA's), (85, 33842), (90, 33818), (123, 33707), (126, 33674), (130, 33644),

Gene: Finemlucis_36 Start: 30950, Stop: 30489, Start Num: 61
Candidate Starts for Finemlucis_36:

(Start: 61 @30950 has 265 MA's), (80, 30863), (93, 30809), (120, 30713), (126, 30665),

Gene: Finnry_34 Start: 30924, Stop: 30487, Start Num: 61
Candidate Starts for Finnry_34:
(Start: 61 @30924 has 265 MA's), (93, 30783), (125, 30639), (131, 30600),

Gene: FireRed_38 Start: 33974, Stop: 33588, Start Num: 61
Candidate Starts for FireRed_38:
(Start: 61 @33974 has 265 MA's), (85, 33872), (90, 33848), (123, 33737), (126, 33704), (130, 33674),

Gene: Flypotenuse_36 Start: 33542, Stop: 33156, Start Num: 61
Candidate Starts for Flypotenuse_36:
(Start: 61 @33542 has 265 MA's), (85, 33440), (90, 33416), (123, 33305), (126, 33272), (130, 33242),

Gene: FoghornLeghorn_38 Start: 33689, Stop: 33303, Start Num: 61
Candidate Starts for FoghornLeghorn_38:
(Start: 61 @33689 has 265 MA's), (85, 33587), (90, 33563), (123, 33452), (126, 33419), (130, 33389),

Gene: FreakyGoo_4 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for FreakyGoo_4:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: Fryberger_27 Start: 7779, Stop: 7438, Start Num: 50
Candidate Starts for Fryberger_27:
(Start: 50 @7779 has 6 MA's), (Start: 66 @7746 has 2 MA's), (Start: 75 @7698 has 1 MA's), (85, 7659), (93, 7623), (128, 7488),

Gene: Fryberger_64 Start: 36269, Stop: 35913, Start Num: 52
Candidate Starts for Fryberger_64:
(29, 36314), (Start: 52 @36269 has 6 MA's), (Start: 62 @36254 has 7 MA's), (79, 36182), (133, 35951),

Gene: Gabriela_36 Start: 30936, Stop: 30475, Start Num: 61
Candidate Starts for Gabriela_36:
(Start: 61 @30936 has 265 MA's), (80, 30849), (93, 30795), (120, 30699), (126, 30651),

Gene: Gage_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for Gage_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Gaia_43 Start: 33889, Stop: 33491, Start Num: 32
Candidate Starts for Gaia_43:
(Start: 32 @33889 has 1 MA's), (39, 33877), (Start: 61 @33835 has 265 MA's), (78, 33769), (88, 33724), (136, 33502),

Gene: Gail_34 Start: 25909, Stop: 26265, Start Num: 61
Candidate Starts for Gail_34:
(Start: 61 @25909 has 265 MA's), (91, 26041), (95, 26062), (99, 26083),

Gene: Gardann_36 Start: 30676, Stop: 30215, Start Num: 61
Candidate Starts for Gardann_36:
(Start: 61 @30676 has 265 MA's), (80, 30589), (93, 30535), (96, 30517), (120, 30439), (126, 30391),

Gene: GardenSalsa_4 Start: 1910, Stop: 1521, Start Num: 61

Candidate Starts for GardenSalsa_4:
(Start: 61 @1910 has 265 MA's), (Start: 65 @1898 has 2 MA's), (Start: 68 @1886 has 7 MA's), (74, 1847), (92, 1772), (95, 1757), (107, 1685),

Gene: Gator_37 Start: 34255, Stop: 33869, Start Num: 61
Candidate Starts for Gator_37:
(Start: 61 @34255 has 265 MA's), (85, 34153), (90, 34129), (123, 34018), (126, 33985), (130, 33955),

Gene: Geeche_59 Start: 41075, Stop: 40740, Start Num: 54
Candidate Starts for Geeche_59:
(Start: 54 @41075 has 23 MA's), (Start: 65 @41051 has 2 MA's), (Start: 66 @41048 has 2 MA's), (80, 40979), (89, 40943), (102, 40877), (103, 40874), (126, 40799), (129, 40781), (131, 40766),

Gene: Gemini_41 Start: 34470, Stop: 34084, Start Num: 61
Candidate Starts for Gemini_41:
(Start: 61 @34470 has 265 MA's), (85, 34368), (90, 34344), (123, 34233), (126, 34200), (130, 34170),

Gene: GenevaB15_4 Start: 1899, Stop: 1510, Start Num: 61
Candidate Starts for GenevaB15_4:
(Start: 61 @1899 has 265 MA's), (Start: 65 @1887 has 2 MA's), (Start: 68 @1875 has 7 MA's), (74, 1836), (107, 1674),

Gene: Glaske16_4 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Glaske16_4:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Glexan_37 Start: 34243, Stop: 33857, Start Num: 61
Candidate Starts for Glexan_37:
(Start: 61 @34243 has 265 MA's), (85, 34141), (90, 34117), (123, 34006), (126, 33973), (130, 33943),

Gene: Goku_39 Start: 34190, Stop: 33804, Start Num: 61
Candidate Starts for Goku_39:
(Start: 61 @34190 has 265 MA's), (85, 34088), (90, 34064), (123, 33953), (126, 33920), (130, 33890),

Gene: GoldenSpark_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for GoldenSpark_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Goldilocks_39 Start: 33455, Stop: 33069, Start Num: 61
Candidate Starts for Goldilocks_39:
(Start: 61 @33455 has 265 MA's), (85, 33353), (90, 33329), (123, 33218), (126, 33185), (130, 33155),

Gene: Gonephishing_59 Start: 44098, Stop: 43742, Start Num: 60
Candidate Starts for Gonephishing_59:
(Start: 60 @44098 has 35 MA's), (114, 43888), (125, 43831), (131, 43792),

Gene: GooberAzure_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for GooberAzure_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Greep_39 Start: 34266, Stop: 33880, Start Num: 61
Candidate Starts for Greep_39:
(Start: 61 @34266 has 265 MA's), (85, 34164), (90, 34140), (123, 34029), (126, 33996), (130, 33966),

Gene: Guey18_70 Start: 37789, Stop: 37433, Start Num: 52
Candidate Starts for Guey18_70:
(29, 37834), (Start: 52 @37789 has 6 MA's), (Start: 62 @37774 has 7 MA's), (79, 37702), (133, 37471),

Gene: Guey18_31 Start: 8640, Stop: 8299, Start Num: 50
Candidate Starts for Guey18_31:
(Start: 50 @8640 has 6 MA's), (Start: 66 @8607 has 2 MA's), (Start: 75 @8559 has 1 MA's), (85, 8520), (93, 8484), (128, 8349),

Gene: GuuelaD_36 Start: 30713, Stop: 30252, Start Num: 61
Candidate Starts for GuuelaD_36:
(Start: 61 @30713 has 265 MA's), (80, 30626), (93, 30572), (120, 30476), (126, 30428),

Gene: Hafay_36 Start: 30708, Stop: 30244, Start Num: 61
Candidate Starts for Hafay_36:
(Start: 61 @30708 has 265 MA's), (80, 30621), (93, 30567), (96, 30549), (120, 30471), (123, 30456), (126, 30423),

Gene: Halena_33 Start: 29507, Stop: 29079, Start Num: 61
Candidate Starts for Halena_33:
(Start: 61 @29507 has 265 MA's), (Start: 68 @29483 has 7 MA's), (93, 29366), (102, 29318), (131, 29189),

Gene: Halley_59 Start: 46414, Stop: 46064, Start Num: 60
Candidate Starts for Halley_59:
(Start: 60 @46414 has 35 MA's), (Start: 66 @46402 has 2 MA's), (69, 46396), (110, 46213), (121, 46186), (126, 46144),

Gene: HanKaySha_40 Start: 33927, Stop: 33541, Start Num: 61
Candidate Starts for HanKaySha_40:
(Start: 61 @33927 has 265 MA's), (85, 33825), (90, 33801), (123, 33690), (126, 33657), (130, 33627),

Gene: Hannaconda_55 Start: 40903, Stop: 40553, Start Num: 60
Candidate Starts for Hannaconda_55:
(Start: 60 @40903 has 35 MA's), (Start: 66 @40891 has 2 MA's), (69, 40885), (110, 40702), (121, 40675), (126, 40633),

Gene: Harella_39 Start: 34759, Stop: 34373, Start Num: 61
Candidate Starts for Harella_39:
(Start: 61 @34759 has 265 MA's), (85, 34657), (90, 34633), (123, 34522), (126, 34489), (130, 34459),

Gene: Henry_40 Start: 34647, Stop: 34261, Start Num: 61
Candidate Starts for Henry_40:
(Start: 61 @34647 has 265 MA's), (85, 34545), (90, 34521), (123, 34410), (126, 34377), (130, 34347),

Gene: Hidrated_55 Start: 46099, Stop: 45749, Start Num: 60
Candidate Starts for Hidrated_55:
(Start: 60 @46099 has 35 MA's), (Start: 66 @46087 has 2 MA's), (69, 46081), (110, 45898), (121, 45871), (126, 45829),

Gene: Highbury_40 Start: 33715, Stop: 33329, Start Num: 61
Candidate Starts for Highbury_40:

(Start: 61 @33715 has 265 MA's), (85, 33613), (90, 33589), (123, 33478), (126, 33445), (130, 33415),

Gene: Hiraya_36 Start: 30675, Stop: 30214, Start Num: 61
Candidate Starts for Hiraya_36:
(Start: 61 @30675 has 265 MA's), (80, 30588), (93, 30534), (120, 30438), (126, 30390),

Gene: HokkenD_52 Start: 44683, Stop: 44333, Start Num: 60
Candidate Starts for HokkenD_52:
(Start: 60 @44683 has 35 MA's), (Start: 66 @44671 has 2 MA's), (69, 44665), (110, 44482), (121, 44455), (126, 44413),

Gene: Holt_40 Start: 33334, Stop: 32948, Start Num: 61
Candidate Starts for Holt_40:
(3, 33538), (Start: 61 @33334 has 265 MA's), (85, 33232), (90, 33208), (123, 33097), (126, 33064), (130, 33034),

Gene: Hoonter_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for Hoonter_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Hopey_41 Start: 34462, Stop: 34076, Start Num: 61
Candidate Starts for Hopey_41:
(Start: 61 @34462 has 265 MA's), (85, 34360), (90, 34336), (123, 34225), (126, 34192), (130, 34162),

Gene: HufflyPuff_37 Start: 33930, Stop: 33544, Start Num: 61
Candidate Starts for HufflyPuff_37:
(Start: 61 @33930 has 265 MA's), (85, 33828), (90, 33804), (123, 33693), (126, 33660), (130, 33630),

Gene: Hughesyang_57 Start: 46343, Stop: 45993, Start Num: 60
Candidate Starts for Hughesyang_57:
(Start: 60 @46343 has 35 MA's), (Start: 66 @46331 has 2 MA's), (69, 46325), (110, 46142), (121, 46115), (126, 46073),

Gene: IHOP_38 Start: 34202, Stop: 33816, Start Num: 61
Candidate Starts for IHOP_38:
(Start: 61 @34202 has 265 MA's), (85, 34100), (90, 34076), (123, 33965), (126, 33932), (130, 33902),

Gene: IPhane7_3 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for IPhane7_3:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: Icee_37 Start: 33621, Stop: 33235, Start Num: 61
Candidate Starts for Icee_37:
(Start: 61 @33621 has 265 MA's), (85, 33519), (90, 33495), (123, 33384), (126, 33351), (130, 33321),

Gene: Inca_37 Start: 32727, Stop: 32341, Start Num: 61
Candidate Starts for Inca_37:
(Start: 61 @32727 has 265 MA's), (85, 32625), (90, 32601), (123, 32490), (126, 32457), (130, 32427),

Gene: Itos_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Itos_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Itza_48 Start: 32273, Stop: 32590, Start Num: 59
Candidate Starts for Itza_48:
(5, 32099), (9, 32147), (34, 32225), (Start: 59 @32273 has 14 MA's), (119, 32474), (126, 32522), (129, 32540), (130, 32552), (133, 32576),

Gene: Izel_4 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Izel_4:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: JSwag_34 Start: 23545, Stop: 23877, Start Num: 68
Candidate Starts for JSwag_34:
(Start: 12 @23431 has 3 MA's), (47, 23503), (Start: 61 @23521 has 265 MA's), (Start: 65 @23533 has 2 MA's), (Start: 68 @23545 has 7 MA's), (77, 23590), (90, 23647), (93, 23659), (109, 23722), (128, 23830), (131, 23848),

Gene: JeTaime_41 Start: 34986, Stop: 34600, Start Num: 61
Candidate Starts for JeTaime_41:
(Start: 61 @34986 has 265 MA's), (85, 34884), (90, 34860), (123, 34749), (126, 34716), (130, 34686),

Gene: Jeeves_33 Start: 24601, Stop: 24957, Start Num: 61
Candidate Starts for Jeeves_33:
(15, 24511), (44, 24574), (Start: 61 @24601 has 265 MA's), (Start: 65 @24613 has 2 MA's), (91, 24733), (116, 24829), (131, 24925),

Gene: Jhitchelle_47 Start: 34899, Stop: 35210, Start Num: 65
Candidate Starts for Jhitchelle_47:
(Start: 59 @34884 has 14 MA's), (Start: 65 @34899 has 2 MA's), (93, 35025), (100, 35055), (120, 35100), (130, 35178), (131, 35181),

Gene: Jobypre_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for Jobypre_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: JoeDirt_33 Start: 29478, Stop: 29050, Start Num: 61
Candidate Starts for JoeDirt_33:
(Start: 61 @29478 has 265 MA's), (Start: 68 @29454 has 7 MA's), (93, 29337), (102, 29289), (131, 29160),

Gene: Jubie_34 Start: 30922, Stop: 30485, Start Num: 61
Candidate Starts for Jubie_34:
(Start: 61 @30922 has 265 MA's), (93, 30781), (125, 30637), (131, 30598),

Gene: JuicyJay_58 Start: 47549, Stop: 47199, Start Num: 60
Candidate Starts for JuicyJay_58:
(Start: 60 @47549 has 35 MA's), (Start: 66 @47537 has 2 MA's), (69, 47531), (110, 47348), (121, 47321), (126, 47279),

Gene: Kahlid_36 Start: 30680, Stop: 30216, Start Num: 61
Candidate Starts for Kahlid_36:
(Start: 61 @30680 has 265 MA's), (80, 30593), (93, 30539), (96, 30521), (120, 30443), (123, 30428), (126, 30395),

Gene: Kaine_49 Start: 35407, Stop: 35712, Start Num: 66

Candidate Starts for Kaine_49:
(Start: 59 @35389 has 14 MA's), (Start: 66 @35407 has 2 MA's), (Start: 75 @35455 has 1 MA's), (79, 35467), (90, 35518), (91, 35521), (95, 35542), (100, 35560), (130, 35680),

Gene: Kalah2_55 Start: 45958, Stop: 45608, Start Num: 60
Candidate Starts for Kalah2_55:
(Start: 60 @45958 has 35 MA's), (Start: 66 @45946 has 2 MA's), (69, 45940), (110, 45757), (126, 45688),

Gene: Kanye_40 Start: 34949, Stop: 34563, Start Num: 61
Candidate Starts for Kanye_40:
(Start: 61 @34949 has 265 MA's), (85, 34847), (90, 34823), (123, 34712), (126, 34679), (130, 34649),

Gene: KashFlow_52 Start: 40524, Stop: 40174, Start Num: 60
Candidate Starts for KashFlow_52:
(Start: 60 @40524 has 35 MA's), (Start: 66 @40512 has 2 MA's), (69, 40506), (110, 40323), (121, 40296), (126, 40254),

Gene: KatherineG_34 Start: 23657, Stop: 24013, Start Num: 61
Candidate Starts for KatherineG_34:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: Keelan_63 Start: 36695, Stop: 36342, Start Num: 52
Candidate Starts for Keelan_63:
(1, 36905), (6, 36845), (18, 36767), (21, 36755), (49, 36701), (Start: 52 @36695 has 6 MA's), (Start: 62 @36680 has 7 MA's), (88, 36566), (115, 36491), (133, 36380),

Gene: Keelan_24 Start: 7189, Stop: 6836, Start Num: 50
Candidate Starts for Keelan_24:
(Start: 50 @7189 has 6 MA's), (Start: 66 @7156 has 2 MA's), (90, 7045), (95, 7021), (121, 6946), (131, 6871),

Gene: Keziacharles14_34 Start: 26571, Stop: 26927, Start Num: 61
Candidate Starts for Keziacharles14_34:
(Start: 61 @26571 has 265 MA's), (Start: 67 @26589 has 2 MA's), (Start: 68 @26595 has 7 MA's), (110, 26784),

Gene: Kimchi_40 Start: 33956, Stop: 33570, Start Num: 61
Candidate Starts for Kimchi_40:
(Start: 61 @33956 has 265 MA's), (85, 33854), (90, 33830), (123, 33719), (126, 33686), (130, 33656),

Gene: Kingsolomon_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for Kingsolomon_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: KirDoubleO7_32 Start: 30920, Stop: 30483, Start Num: 61
Candidate Starts for KirDoubleO7_32:
(27, 30977), (Start: 43 @30950 has 1 MA's), (Start: 61 @30920 has 265 MA's), (93, 30779), (125, 30635), (131, 30596),

Gene: Klein_59 Start: 45981, Stop: 45631, Start Num: 60

Candidate Starts for Klein_59:
(Start: 60 @45981 has 35 MA's), (Start: 66 @45969 has 2 MA's), (69, 45963), (110, 45780), (121, 45753), (126, 45711),

Gene: KleverKiS_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for KleverKiS_3:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Kostya_39 Start: 33964, Stop: 33578, Start Num: 61
Candidate Starts for Kostya_39:
(Start: 61 @33964 has 265 MA's), (85, 33862), (90, 33838), (123, 33727), (126, 33694), (130, 33664),

Gene: Kropertea_33 Start: 29537, Stop: 29067, Start Num: 61
Candidate Starts for Kropertea_33:
(Start: 61 @29537 has 265 MA's), (80, 29450), (84, 29438), (93, 29396), (126, 29246), (135, 29183),

Gene: Krypton555_34 Start: 30829, Stop: 30389, Start Num: 61
Candidate Starts for Krypton555_34:
(27, 30886), (Start: 43 @30859 has 1 MA's), (Start: 61 @30829 has 265 MA's), (93, 30688), (125, 30544), (131, 30505),

Gene: Kudefre_37 Start: 30852, Stop: 30484, Start Num: 54
Candidate Starts for Kudefre_37:
(Start: 54 @30852 has 23 MA's), (93, 30699), (126, 30558), (131, 30525),

Gene: Kumao_4 Start: 1202, Stop: 834, Start Num: 58
Candidate Starts for Kumao_4:
(36, 1244), (Start: 58 @1202 has 1 MA's), (Start: 61 @1196 has 265 MA's), (Start: 75 @1130 has 1 MA's), (83, 1100), (90, 1067), (113, 968), (130, 866),

Gene: LadyBird_32 Start: 25226, Stop: 25567, Start Num: 67
Candidate Starts for LadyBird_32:
(Start: 61 @25208 has 265 MA's), (Start: 67 @25226 has 2 MA's), (Start: 68 @25232 has 7 MA's), (73, 25268), (85, 25313), (90, 25337), (91, 25340), (125, 25496),

Gene: LastResort_34 Start: 23538, Stop: 23894, Start Num: 61
Candidate Starts for LastResort_34:
(Start: 12 @23448 has 3 MA's), (47, 23520), (Start: 61 @23538 has 265 MA's), (Start: 65 @23550 has 2 MA's), (Start: 68 @23562 has 7 MA's), (77, 23607), (90, 23664), (93, 23676), (109, 23739), (128, 23847), (131, 23865),

Gene: LeBron_33 Start: 29522, Stop: 29094, Start Num: 61
Candidate Starts for LeBron_33:
(Start: 61 @29522 has 265 MA's), (Start: 68 @29498 has 7 MA's), (93, 29381), (102, 29333), (131, 29204),

Gene: Lewan_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Lewan_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: LilDestine_36 Start: 30673, Stop: 30212, Start Num: 61
Candidate Starts for LilDestine_36:
(Start: 61 @30673 has 265 MA's), (80, 30586), (93, 30532), (96, 30514), (120, 30436), (126, 30388),

Gene: LilJank_38 Start: 32476, Stop: 32138, Start Num: 55
Candidate Starts for LilJank_38:
(Start: 55 @32476 has 10 MA's), (Start: 75 @32404 has 1 MA's), (93, 32329), (108, 32275), (126, 32200), (131, 32167),

Gene: Lilac_40 Start: 33443, Stop: 33057, Start Num: 61
Candidate Starts for Lilac_40:
(Start: 61 @33443 has 265 MA's), (85, 33341), (90, 33317), (123, 33206), (126, 33173), (130, 33143),

Gene: LilhomieP_3 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for LilhomieP_3:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: Lilizi_40 Start: 33651, Stop: 33265, Start Num: 61
Candidate Starts for Lilizi_40:
(Start: 61 @33651 has 265 MA's), (85, 33549), (90, 33525), (123, 33414), (126, 33381), (130, 33351),

Gene: Lilpickle_37 Start: 33170, Stop: 32784, Start Num: 61
Candidate Starts for Lilpickle_37:
(Start: 61 @33170 has 265 MA's), (85, 33068), (90, 33044), (123, 32933), (126, 32900), (130, 32870),

Gene: LittleE_59 Start: 45436, Stop: 45074, Start Num: 60
Candidate Starts for LittleE_59:
(Start: 60 @45436 has 35 MA's),

Gene: Livelaughbron_39 Start: 34060, Stop: 33674, Start Num: 61
Candidate Starts for Livelaughbron_39:
(Start: 61 @34060 has 265 MA's), (85, 33958), (90, 33934), (123, 33823), (126, 33790), (130, 33760),

Gene: LiyuLake_34 Start: 30878, Stop: 30441, Start Num: 61
Candidate Starts for LiyuLake_34:
(27, 30935), (Start: 43 @30908 has 1 MA's), (Start: 61 @30878 has 265 MA's), (93, 30737), (125, 30593), (131, 30554),

Gene: Loadrie_36 Start: 30706, Stop: 30245, Start Num: 61
Candidate Starts for Loadrie_36:
(Start: 61 @30706 has 265 MA's), (80, 30619), (93, 30565), (96, 30547), (120, 30469), (126, 30421),

Gene: LogiBear_35 Start: 24147, Stop: 24512, Start Num: 68
Candidate Starts for LogiBear_35:
(31, 24081), (57, 24117), (Start: 61 @24123 has 265 MA's), (Start: 67 @24141 has 2 MA's), (Start: 68 @24147 has 7 MA's), (73, 24183), (95, 24276), (99, 24297),

Gene: Lolly9_34 Start: 30693, Stop: 30253, Start Num: 61
Candidate Starts for Lolly9_34:
(Start: 61 @30693 has 265 MA's), (93, 30552), (96, 30534), (125, 30408), (131, 30369),

Gene: Looper_35 Start: 23535, Stop: 23891, Start Num: 61
Candidate Starts for Looper_35:
(Start: 12 @23445 has 3 MA's), (47, 23517), (Start: 61 @23535 has 265 MA's), (Start: 65 @23547 has 2 MA's), (Start: 68 @23559 has 7 MA's), (77, 23604), (90, 23661), (93, 23673), (109, 23736), (128, 23844), (131, 23862),

Gene: Lozinak_61 Start: 41485, Stop: 41150, Start Num: 54
Candidate Starts for Lozinak_61:
(Start: 54 @41485 has 23 MA's), (Start: 65 @41461 has 2 MA's), (Start: 66 @41458 has 2 MA's), (80, 41389), (89, 41353), (102, 41287), (126, 41209), (129, 41191), (131, 41176),

Gene: Luchador_36 Start: 27109, Stop: 27465, Start Num: 61
Candidate Starts for Luchador_36:
(2, 26908), (46, 27085), (Start: 61 @27109 has 265 MA's), (Start: 65 @27121 has 2 MA's), (91, 27241), (116, 27337), (122, 27364), (131, 27433),

Gene: Lucky2013_57 Start: 42959, Stop: 42600, Start Num: 62
Candidate Starts for Lucky2013_57:
(Start: 40 @42998 has 1 MA's), (Start: 62 @42959 has 7 MA's), (Start: 68 @42944 has 7 MA's), (114, 42746),

Gene: Lucyedi_34 Start: 25248, Stop: 25607, Start Num: 61
Candidate Starts for Lucyedi_34:
(Start: 56 @25242 has 1 MA's), (Start: 61 @25248 has 265 MA's), (Start: 67 @25266 has 2 MA's), (Start: 68 @25272 has 7 MA's), (76, 25317), (92, 25386), (130, 25572), (132, 25587),

Gene: Lumos_34 Start: 30918, Stop: 30481, Start Num: 61
Candidate Starts for Lumos_34:
(Start: 61 @30918 has 265 MA's), (93, 30777), (125, 30633), (131, 30594),

Gene: Lynnae_36 Start: 30663, Stop: 30199, Start Num: 61
Candidate Starts for Lynnae_36:
(Start: 61 @30663 has 265 MA's), (80, 30576), (93, 30522), (96, 30504), (120, 30426), (123, 30411), (126, 30378),

Gene: MAckerman_33 Start: 29502, Stop: 29074, Start Num: 61
Candidate Starts for MAckerman_33:
(Start: 61 @29502 has 265 MA's), (Start: 68 @29478 has 7 MA's), (93, 29361), (102, 29313), (131, 29184),

Gene: MISSy_37 Start: 33459, Stop: 33073, Start Num: 61
Candidate Starts for MISSy_37:
(Start: 61 @33459 has 265 MA's), (85, 33357), (90, 33333), (123, 33222), (126, 33189), (130, 33159),

Gene: MPhalcon_37 Start: 33452, Stop: 33066, Start Num: 61
Candidate Starts for MPhalcon_37:
(Start: 61 @33452 has 265 MA's), (85, 33350), (90, 33326), (123, 33215), (126, 33182), (130, 33152),

Gene: MadamMonkfish_39 Start: 33476, Stop: 33090, Start Num: 61
Candidate Starts for MadamMonkfish_39:
(Start: 61 @33476 has 265 MA's), (85, 33374), (90, 33350), (123, 33239), (126, 33206), (130, 33176),

Gene: Magritte_78 Start: 65825, Stop: 66166, Start Num: 54
Candidate Starts for Magritte_78:
(Start: 54 @65825 has 23 MA's), (64, 65846), (Start: 68 @65861 has 7 MA's), (71, 65891), (131, 66137),

Gene: Manda_39 Start: 34431, Stop: 34045, Start Num: 61

Candidate Starts for Manda_39:
(Start: 61 @34431 has 265 MA's), (85, 34329), (90, 34305), (123, 34194), (126, 34161), (130, 34131),

Gene: Marleymoo_58 Start: 45997, Stop: 45647, Start Num: 60
Candidate Starts for Marleymoo_58:
(Start: 60 @45997 has 35 MA's), (Start: 66 @45985 has 2 MA's), (69, 45979), (110, 45796), (121, 45769), (126, 45727),

Gene: Marshmallow_39 Start: 34636, Stop: 34250, Start Num: 61
Candidate Starts for Marshmallow_39:
(Start: 61 @34636 has 265 MA's), (85, 34534), (90, 34510), (123, 34399), (126, 34366), (130, 34336),

Gene: Maxxinista_39 Start: 33413, Stop: 33027, Start Num: 61
Candidate Starts for Maxxinista_39:
(Start: 61 @33413 has 265 MA's), (85, 33311), (90, 33287), (123, 33176), (126, 33143), (130, 33113),

Gene: MiaZeal_56 Start: 42634, Stop: 42275, Start Num: 62
Candidate Starts for MiaZeal_56:
(Start: 40 @42673 has 1 MA's), (Start: 62 @42634 has 7 MA's), (Start: 68 @42619 has 7 MA's), (114, 42421),

Gene: Miley16_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Miley16_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Mindy_40 Start: 33835, Stop: 33449, Start Num: 61
Candidate Starts for Mindy_40:
(3, 34039), (Start: 61 @33835 has 265 MA's), (85, 33733), (90, 33709), (123, 33598), (126, 33565), (130, 33535),

Gene: MinecraftSteve_35 Start: 23657, Stop: 24013, Start Num: 61
Candidate Starts for MinecraftSteve_35:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: Minerva_65 Start: 47831, Stop: 47481, Start Num: 60
Candidate Starts for Minerva_65:
(Start: 60 @47831 has 35 MA's), (Start: 66 @47819 has 2 MA's), (69, 47813), (110, 47630), (121, 47603), (126, 47561),

Gene: MiniLon_34 Start: 30694, Stop: 30254, Start Num: 61
Candidate Starts for MiniLon_34:
(Start: 61 @30694 has 265 MA's), (93, 30553), (96, 30535), (125, 30409), (131, 30370),

Gene: MiniMac_34 Start: 30691, Stop: 30251, Start Num: 61
Candidate Starts for MiniMac_34:
(Start: 61 @30691 has 265 MA's), (93, 30550), (96, 30532), (125, 30406), (131, 30367),

Gene: Minispark_31 Start: 24788, Stop: 25045, Start Num: 83
Candidate Starts for Minispark_31:
(42, 24662), (Start: 61 @24692 has 265 MA's), (Start: 67 @24710 has 2 MA's), (Start: 68 @24716 has 7 MA's), (83, 24788), (131, 25013),

Gene: Miniwave_38 Start: 34160, Stop: 33774, Start Num: 61
Candidate Starts for Miniwave_38:
(Start: 61 @34160 has 265 MA's), (85, 34058), (90, 34034), (123, 33923), (126, 33890), (130, 33860),

Gene: Misfit_38 Start: 34033, Stop: 33647, Start Num: 61
Candidate Starts for Misfit_38:
(Start: 61 @34033 has 265 MA's), (85, 33931), (90, 33907), (123, 33796), (126, 33763), (130, 33733),

Gene: Miskis_58 Start: 41019, Stop: 40684, Start Num: 54
Candidate Starts for Miskis_58:
(Start: 54 @41019 has 23 MA's), (Start: 65 @40995 has 2 MA's), (Start: 66 @40992 has 2 MA's), (80, 40923), (89, 40887), (102, 40821), (103, 40818), (126, 40743), (129, 40725), (131, 40710),

Gene: MkaliMitinis3_36 Start: 30675, Stop: 30211, Start Num: 61
Candidate Starts for MkaliMitinis3_36:
(Start: 61 @30675 has 265 MA's), (80, 30588), (93, 30534), (96, 30516), (120, 30438), (123, 30423), (126, 30390),

Gene: Moldemort_39 Start: 33705, Stop: 33319, Start Num: 61
Candidate Starts for Moldemort_39:
(Start: 61 @33705 has 265 MA's), (85, 33603), (90, 33579), (123, 33468), (126, 33435), (130, 33405),

Gene: Molivier_36 Start: 30671, Stop: 30210, Start Num: 61
Candidate Starts for Molivier_36:
(Start: 61 @30671 has 265 MA's), (80, 30584), (93, 30530), (120, 30434), (126, 30386),

Gene: MollyToe_38 Start: 34117, Stop: 33731, Start Num: 61
Candidate Starts for MollyToe_38:
(Start: 61 @34117 has 265 MA's), (85, 34015), (90, 33991), (123, 33880), (126, 33847), (130, 33817),

Gene: Mollymur_44 Start: 40607, Stop: 40245, Start Num: 55
Candidate Starts for Mollymur_44:
(Start: 55 @40607 has 10 MA's), (Start: 68 @40574 has 7 MA's), (72, 40544), (73, 40541), (Start: 75 @40535 has 1 MA's), (121, 40349),

Gene: Moostard_34 Start: 30923, Stop: 30486, Start Num: 61
Candidate Starts for Moostard_34:
(Start: 61 @30923 has 265 MA's), (93, 30782), (125, 30638), (131, 30599),

Gene: Mosby_38 Start: 33689, Stop: 33303, Start Num: 61
Candidate Starts for Mosby_38:
(Start: 61 @33689 has 265 MA's), (85, 33587), (90, 33563), (123, 33452), (126, 33419), (130, 33389),

Gene: MrMagoo_4 Start: 1910, Stop: 1521, Start Num: 61
Candidate Starts for MrMagoo_4:
(Start: 61 @1910 has 265 MA's), (Start: 65 @1898 has 2 MA's), (Start: 68 @1886 has 7 MA's), (74, 1847), (92, 1772), (95, 1757), (107, 1685),

Gene: MsGreen_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for MsGreen_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: Murica_37 Start: 33930, Stop: 33544, Start Num: 61
Candidate Starts for Murica_37:
(Start: 61 @33930 has 265 MA's), (85, 33828), (90, 33804), (123, 33693), (126, 33660), (130, 33630),

Gene: Murphy_39 Start: 33925, Stop: 33539, Start Num: 61
Candidate Starts for Murphy_39:
(Start: 61 @33925 has 265 MA's), (85, 33823), (90, 33799), (123, 33688), (126, 33655), (130, 33625),

Gene: Myrale_40 Start: 34501, Stop: 34115, Start Num: 61
Candidate Starts for Myrale_40:
(Start: 61 @34501 has 265 MA's), (85, 34399), (90, 34375), (123, 34264), (126, 34231), (130, 34201),

Gene: Nala_38 Start: 33964, Stop: 33578, Start Num: 61
Candidate Starts for Nala_38:
(Start: 61 @33964 has 265 MA's), (85, 33862), (90, 33838), (123, 33727), (126, 33694), (130, 33664),

Gene: Nanodon_50 Start: 34429, Stop: 34755, Start Num: 59
Candidate Starts for Nanodon_50:
(Start: 59 @34429 has 14 MA's), (Start: 67 @34450 has 2 MA's), (93, 34570), (120, 34642), (130, 34720),

Gene: Nanosmite_3 Start: 1842, Stop: 1450, Start Num: 61
Candidate Starts for Nanosmite_3:
(Start: 61 @1842 has 265 MA's), (104, 1647),

Gene: Nebkiss_43 Start: 33536, Stop: 33192, Start Num: 61
Candidate Starts for Nebkiss_43:
(Start: 32 @33590 has 1 MA's), (39, 33578), (Start: 61 @33536 has 265 MA's), (78, 33470), (88, 33425), (136, 33203),

Gene: Nebulosus_34 Start: 23445, Stop: 23891, Start Num: 12
Candidate Starts for Nebulosus_34:
(Start: 12 @23445 has 3 MA's), (47, 23517), (Start: 61 @23535 has 265 MA's), (Start: 65 @23547 has 2 MA's), (Start: 68 @23559 has 7 MA's), (77, 23604), (90, 23661), (93, 23673), (109, 23736), (128, 23844), (131, 23862),

Gene: Nedarya_33 Start: 24103, Stop: 24507, Start Num: 25
Candidate Starts for Nedarya_33:
(Start: 25 @24103 has 1 MA's), (31, 24112), (38, 24124), (Start: 61 @24151 has 265 MA's), (Start: 65 @24163 has 2 MA's), (Start: 68 @24175 has 7 MA's), (77, 24220), (90, 24277), (106, 24340), (114, 24376), (128, 24460), (131, 24478),

Gene: Nekros_56 Start: 45256, Stop: 44906, Start Num: 60
Candidate Starts for Nekros_56:
(Start: 60 @45256 has 35 MA's), (Start: 66 @45244 has 2 MA's), (69, 45238), (90, 45139), (110, 45055), (126, 44986),

Gene: NelitzaMV_38 Start: 34014, Stop: 33628, Start Num: 61
Candidate Starts for NelitzaMV_38:
(Start: 61 @34014 has 265 MA's), (85, 33912), (90, 33888), (123, 33777), (126, 33744), (130, 33714),

Gene: Netyap_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Netyap_36:

(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: Neville_38 Start: 32115, Stop: 31777, Start Num: 55
Candidate Starts for Neville_38:
(Start: 55 @32115 has 10 MA's), (Start: 75 @32043 has 1 MA's), (93, 31968), (108, 31914), (126, 31839), (131, 31806),

Gene: Nibley_51 Start: 40913, Stop: 40554, Start Num: 62
Candidate Starts for Nibley_51:
(Start: 40 @40952 has 1 MA's), (Start: 62 @40913 has 7 MA's),

Gene: Nicholas_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for Nicholas_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: Nicholasp3_36 Start: 30676, Stop: 30215, Start Num: 61
Candidate Starts for Nicholasp3_36:
(Start: 61 @30676 has 265 MA's), (80, 30589), (93, 30535), (96, 30517), (120, 30439), (126, 30391),

Gene: NihilNomen_58 Start: 46501, Stop: 46151, Start Num: 60
Candidate Starts for NihilNomen_58:
(Start: 60 @46501 has 35 MA's), (Start: 66 @46489 has 2 MA's), (69, 46483), (110, 46300), (121, 46273), (126, 46231),

Gene: Nimrod_38 Start: 34188, Stop: 33802, Start Num: 61
Candidate Starts for Nimrod_38:
(Start: 61 @34188 has 265 MA's), (85, 34086), (90, 34062), (123, 33951), (126, 33918), (130, 33888),

Gene: NoSleep_39 Start: 33685, Stop: 33299, Start Num: 61
Candidate Starts for NoSleep_39:
(Start: 61 @33685 has 265 MA's), (85, 33583), (90, 33559), (123, 33448), (126, 33415), (130, 33385),

Gene: NonchalantPear_39 Start: 33877, Stop: 33491, Start Num: 61
Candidate Starts for NonchalantPear_39:
(Start: 61 @33877 has 265 MA's), (85, 33775), (90, 33751), (123, 33640), (126, 33607), (130, 33577),

Gene: Norvs_61 Start: 41258, Stop: 40923, Start Num: 54
Candidate Starts for Norvs_61:
(Start: 54 @41258 has 23 MA's), (Start: 65 @41234 has 2 MA's), (Start: 66 @41231 has 2 MA's), (80, 41162), (89, 41126), (102, 41060), (103, 41057), (126, 40982), (129, 40964), (131, 40949),

Gene: Octobien14_39 Start: 31533, Stop: 31165, Start Num: 54
Candidate Starts for Octobien14_39:
(Start: 54 @31533 has 23 MA's), (70, 31485), (93, 31380), (126, 31236), (131, 31203),

Gene: Odette_57 Start: 45544, Stop: 45194, Start Num: 60
Candidate Starts for Odette_57:
(Start: 60 @45544 has 35 MA's), (Start: 66 @45532 has 2 MA's), (69, 45526), (110, 45343), (121, 45316), (126, 45274),

Gene: OhShagHennessy_33 Start: 29467, Stop: 29039, Start Num: 61
Candidate Starts for OhShagHennessy_33:

(Start: 61 @29467 has 265 MA's), (Start: 68 @29443 has 7 MA's), (93, 29326), (102, 29278), (131, 29149),

Gene: Omega_61 Start: 47100, Stop: 46744, Start Num: 60
Candidate Starts for Omega_61:
(Start: 60 @47100 has 35 MA's), (114, 46890), (125, 46833), (131, 46794),

Gene: OneUp_54 Start: 40717, Stop: 40373, Start Num: 54
Candidate Starts for OneUp_54:
(Start: 54 @40717 has 23 MA's), (89, 40585), (126, 40435), (129, 40417),

Gene: Oofda_34 Start: 23533, Stop: 23865, Start Num: 68
Candidate Starts for Oofda_34:
(Start: 12 @23419 has 3 MA's), (47, 23491), (Start: 61 @23509 has 265 MA's), (Start: 65 @23521 has 2 MA's), (Start: 68 @23533 has 7 MA's), (77, 23578), (90, 23635), (93, 23647), (109, 23710), (128, 23818), (131, 23836),

Gene: Optimus_64 Start: 47417, Stop: 47067, Start Num: 60
Candidate Starts for Optimus_64:
(Start: 60 @47417 has 35 MA's), (Start: 66 @47405 has 2 MA's), (69, 47399), (110, 47216), (121, 47189), (126, 47147),

Gene: OrionPax_40 Start: 33930, Stop: 33544, Start Num: 61
Candidate Starts for OrionPax_40:
(Start: 61 @33930 has 265 MA's), (85, 33828), (90, 33804), (123, 33693), (126, 33660), (130, 33630),

Gene: OverPar_36 Start: 30706, Stop: 30245, Start Num: 61
Candidate Starts for OverPar_36:
(Start: 61 @30706 has 265 MA's), (80, 30619), (93, 30565), (96, 30547), (120, 30469), (126, 30421),

Gene: PYPDinur_33 Start: 29627, Stop: 29169, Start Num: 61
Candidate Starts for PYPDinur_33:
(20, 29696), (26, 29678), (Start: 61 @29627 has 265 MA's), (73, 29567), (79, 29549), (126, 29345), (131, 29312), (138, 29213),

Gene: PaddyBaddy_40 Start: 33940, Stop: 33554, Start Num: 61
Candidate Starts for PaddyBaddy_40:
(Start: 61 @33940 has 265 MA's), (85, 33838), (90, 33814), (123, 33703), (126, 33670), (130, 33640),

Gene: PainterBoy_34 Start: 25178, Stop: 25543, Start Num: 56
Candidate Starts for PainterBoy_34:
(Start: 56 @25178 has 1 MA's), (Start: 61 @25184 has 265 MA's), (Start: 67 @25202 has 2 MA's), (Start: 68 @25208 has 7 MA's), (76, 25253), (92, 25322), (99, 25358), (130, 25508), (132, 25523),

Gene: Palpatine_38 Start: 33960, Stop: 33574, Start Num: 61
Candidate Starts for Palpatine_38:
(Start: 61 @33960 has 265 MA's), (85, 33858), (90, 33834), (123, 33723), (126, 33690), (130, 33660),

Gene: Paperbeatsrock_40 Start: 34943, Stop: 34557, Start Num: 61
Candidate Starts for Paperbeatsrock_40:
(Start: 61 @34943 has 265 MA's), (85, 34841), (90, 34817), (123, 34706), (126, 34673), (130, 34643),

Gene: Pat3_39 Start: 32980, Stop: 32594, Start Num: 61

Candidate Starts for Pat3_39:
(3, 33184), (Start: 61 @32980 has 265 MA's), (85, 32878), (90, 32854), (123, 32743), (126, 32710), (130, 32680),

Gene: Pavo_50 Start: 35838, Stop: 36149, Start Num: 65
Candidate Starts for Pavo_50:
(Start: 59 @35823 has 14 MA's), (Start: 65 @35838 has 2 MA's), (Start: 67 @35844 has 2 MA's), (69, 35853), (Start: 75 @35889 has 1 MA's), (79, 35901), (80, 35910), (90, 35952), (91, 35955), (100, 35994), (125, 36081), (130, 36117),

Gene: PegLeg_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for PegLeg_3:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Petra64142_40 Start: 34423, Stop: 34037, Start Num: 61
Candidate Starts for Petra64142_40:
(Start: 61 @34423 has 265 MA's), (85, 34321), (90, 34297), (123, 34186), (126, 34153), (130, 34123),

Gene: Phaja_38 Start: 34201, Stop: 33815, Start Num: 61
Candidate Starts for Phaja_38:
(Start: 61 @34201 has 265 MA's), (85, 34099), (90, 34075), (123, 33964), (126, 33931), (130, 33901),

Gene: Pharsalus_39 Start: 34743, Stop: 34357, Start Num: 61
Candidate Starts for Pharsalus_39:
(Start: 61 @34743 has 265 MA's), (85, 34641), (90, 34617), (123, 34506), (126, 34473), (130, 34443),

Gene: PhatBacter_38 Start: 33974, Stop: 33588, Start Num: 61
Candidate Starts for PhatBacter_38:
(Start: 61 @33974 has 265 MA's), (85, 33872), (90, 33848), (123, 33737), (126, 33704), (130, 33674),

Gene: Phaux_37 Start: 33972, Stop: 33586, Start Num: 61
Candidate Starts for Phaux_37:
(Start: 61 @33972 has 265 MA's), (85, 33870), (90, 33846), (123, 33735), (126, 33702), (130, 33672),

Gene: PhinkBoden_60 Start: 41639, Stop: 41304, Start Num: 54
Candidate Starts for PhinkBoden_60:
(Start: 54 @41639 has 23 MA's), (Start: 65 @41615 has 2 MA's), (Start: 66 @41612 has 2 MA's), (80, 41543), (89, 41507), (102, 41441), (103, 41438), (126, 41363), (129, 41345), (131, 41330),

Gene: Phoebus_58 Start: 46702, Stop: 46352, Start Num: 60
Candidate Starts for Phoebus_58:
(Start: 60 @46702 has 35 MA's), (Start: 66 @46690 has 2 MA's), (69, 46684), (110, 46501), (121, 46474), (126, 46432),

Gene: Phrux_39 Start: 33926, Stop: 33540, Start Num: 61
Candidate Starts for Phrux_39:
(Start: 61 @33926 has 265 MA's), (85, 33824), (90, 33800), (123, 33689), (126, 33656), (130, 33626),

Gene: Policronamos_38 Start: 33972, Stop: 33586, Start Num: 61
Candidate Starts for Policronamos_38:
(Start: 61 @33972 has 265 MA's), (85, 33870), (90, 33846), (123, 33735), (126, 33702), (130, 33672),

Gene: Ponzi_63 Start: 44647, Stop: 44312, Start Num: 61

Candidate Starts for Ponzi_63:
(Start: 61 @44647 has 265 MA's), (Start: 75 @44584 has 1 MA's), (129, 44356),

Gene: Poochiewood_33 Start: 29497, Stop: 29069, Start Num: 61
Candidate Starts for Poochiewood_33:
(Start: 61 @29497 has 265 MA's), (Start: 68 @29473 has 7 MA's), (93, 29356), (102, 29308), (131, 29179),

Gene: Porcelain_55 Start: 42634, Stop: 42275, Start Num: 62
Candidate Starts for Porcelain_55:
(Start: 40 @42673 has 1 MA's), (Start: 62 @42634 has 7 MA's), (Start: 68 @42619 has 7 MA's), (114, 42421),

Gene: Porky_38 Start: 33882, Stop: 33496, Start Num: 61
Candidate Starts for Porky_38:
(Start: 61 @33882 has 265 MA's), (85, 33780), (90, 33756), (123, 33645), (126, 33612), (130, 33582),

Gene: Pound_59 Start: 47836, Stop: 47486, Start Num: 60
Candidate Starts for Pound_59:
(Start: 60 @47836 has 35 MA's), (Start: 66 @47824 has 2 MA's), (69, 47818), (110, 47635), (126, 47566),

Gene: Provolone_50 Start: 35226, Stop: 35531, Start Num: 67
Candidate Starts for Provolone_50:
(Start: 59 @35205 has 14 MA's), (Start: 65 @35220 has 2 MA's), (Start: 67 @35226 has 2 MA's), (69, 35235), (Start: 75 @35271 has 1 MA's), (79, 35283), (80, 35292), (90, 35334), (91, 35337), (100, 35376), (125, 35463), (130, 35499),

Gene: Ptowny_40 Start: 33568, Stop: 33182, Start Num: 61
Candidate Starts for Ptowny_40:
(Start: 61 @33568 has 265 MA's), (85, 33466), (90, 33442), (123, 33331), (126, 33298), (130, 33268),

Gene: Pumpkin_42 Start: 34852, Stop: 34466, Start Num: 61
Candidate Starts for Pumpkin_42:
(Start: 61 @34852 has 265 MA's), (85, 34750), (90, 34726), (123, 34615), (126, 34582), (130, 34552),

Gene: Quallification_39 Start: 34169, Stop: 33783, Start Num: 61
Candidate Starts for Quallification_39:
(Start: 61 @34169 has 265 MA's), (85, 34067), (90, 34043), (123, 33932), (126, 33899), (130, 33869),

Gene: Quby_33 Start: 29521, Stop: 29063, Start Num: 61
Candidate Starts for Quby_33:
(17, 29599), (20, 29590), (26, 29572), (Start: 61 @29521 has 265 MA's), (73, 29461), (79, 29443), (126, 29239), (131, 29206), (138, 29107),

Gene: Rabbitrun_40 Start: 32577, Stop: 32227, Start Num: 54
Candidate Starts for Rabbitrun_40:
(Start: 54 @32577 has 23 MA's), (Start: 75 @32502 has 1 MA's), (85, 32463), (93, 32427), (126, 32289),

Gene: Rahalelujah_32 Start: 24692, Stop: 25045, Start Num: 61
Candidate Starts for Rahalelujah_32:

(42, 24662), (Start: 61 @24692 has 265 MA's), (Start: 67 @24710 has 2 MA's), (Start: 68 @24716 has 7 MA's), (83, 24788), (131, 25013),

Gene: Rakim_39 Start: 34069, Stop: 33683, Start Num: 61
Candidate Starts for Rakim_39:
(Start: 61 @34069 has 265 MA's), (85, 33967), (90, 33943), (123, 33832), (126, 33799), (130, 33769),

Gene: Ravana_34 Start: 23523, Stop: 23855, Start Num: 68
Candidate Starts for Ravana_34:
(Start: 12 @23409 has 3 MA's), (47, 23481), (Start: 61 @23499 has 265 MA's), (Start: 65 @23511 has 2 MA's), (Start: 68 @23523 has 7 MA's), (77, 23568), (90, 23625), (93, 23637), (109, 23700), (128, 23808), (131, 23826),

Gene: ReMo_34 Start: 23535, Stop: 23891, Start Num: 61
Candidate Starts for ReMo_34:
(Start: 12 @23445 has 3 MA's), (47, 23517), (Start: 61 @23535 has 265 MA's), (Start: 65 @23547 has 2 MA's), (Start: 68 @23559 has 7 MA's), (77, 23604), (90, 23661), (93, 23673), (109, 23736), (128, 23844), (131, 23862),

Gene: Rearden_53 Start: 42761, Stop: 42411, Start Num: 60
Candidate Starts for Rearden_53:
(Start: 60 @42761 has 35 MA's), (Start: 66 @42749 has 2 MA's), (69, 42743), (110, 42560), (126, 42491),

Gene: Red305_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for Red305_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: Redno2_56 Start: 43297, Stop: 42947, Start Num: 60
Candidate Starts for Redno2_56:
(Start: 60 @43297 has 35 MA's), (Start: 66 @43285 has 2 MA's), (69, 43279), (110, 43096), (121, 43069), (126, 43027),

Gene: Reindeer_3 Start: 1876, Stop: 1499, Start Num: 61
Candidate Starts for Reindeer_3:
(Start: 61 @1876 has 265 MA's), (Start: 67 @1858 has 2 MA's), (81, 1786), (115, 1633), (117, 1627), (118, 1621), (123, 1597),

Gene: Remus_34 Start: 23409, Stop: 23855, Start Num: 12
Candidate Starts for Remus_34:
(Start: 12 @23409 has 3 MA's), (47, 23481), (Start: 61 @23499 has 265 MA's), (Start: 65 @23511 has 2 MA's), (Start: 68 @23523 has 7 MA's), (77, 23568), (90, 23625), (93, 23637), (109, 23700), (128, 23808), (131, 23826),

Gene: Rey_3 Start: 1915, Stop: 1526, Start Num: 61
Candidate Starts for Rey_3:
(21, 1978), (23, 1975), (24, 1972), (Start: 61 @1915 has 265 MA's), (Start: 65 @1903 has 2 MA's), (Start: 68 @1891 has 7 MA's), (126, 1591), (129, 1573),

Gene: Rimmer_37 Start: 33512, Stop: 33126, Start Num: 61
Candidate Starts for Rimmer_37:
(Start: 61 @33512 has 265 MA's), (85, 33410), (90, 33386), (123, 33275), (126, 33242), (130, 33212),

Gene: RiverMonster_38 Start: 33701, Stop: 33315, Start Num: 61
Candidate Starts for RiverMonster_38:
(Start: 61 @33701 has 265 MA's), (85, 33599), (90, 33575), (123, 33464), (126, 33431), (130, 33401),

Gene: Ronaldo_67 Start: 37168, Stop: 36812, Start Num: 52
Candidate Starts for Ronaldo_67:
(Start: 52 @37168 has 6 MA's), (Start: 62 @37153 has 7 MA's), (133, 36850),

Gene: Ronaldo_30 Start: 8708, Stop: 8367, Start Num: 50
Candidate Starts for Ronaldo_30:
(Start: 50 @8708 has 6 MA's), (Start: 66 @8675 has 2 MA's), (Start: 75 @8627 has 1 MA's), (85, 8588), (93, 8552), (128, 8417),

Gene: Rosalind_34 Start: 23657, Stop: 24013, Start Num: 61
Candidate Starts for Rosalind_34:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: Rose5_33 Start: 29496, Stop: 29068, Start Num: 61
Candidate Starts for Rose5_33:
(Start: 61 @29496 has 265 MA's), (Start: 68 @29472 has 7 MA's), (93, 29355), (102, 29307), (131, 29178),

Gene: RoseMarie_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for RoseMarie_3:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Rossetti_36 Start: 30948, Stop: 30484, Start Num: 61
Candidate Starts for Rossetti_36:
(Start: 61 @30948 has 265 MA's), (80, 30861), (93, 30807), (96, 30789), (120, 30711), (126, 30663),

Gene: Rumpelstiltskin_36 Start: 30942, Stop: 30481, Start Num: 61
Candidate Starts for Rumpelstiltskin_36:
(24, 31005), (27, 30996), (34, 30987), (Start: 61 @30942 has 265 MA's), (80, 30855), (93, 30801), (120, 30705), (126, 30657),

Gene: Saftant_48 Start: 35531, Stop: 35857, Start Num: 59
Candidate Starts for Saftant_48:
(Start: 59 @35531 has 14 MA's), (Start: 65 @35546 has 2 MA's), (Start: 67 @35552 has 2 MA's), (69, 35561), (90, 35660), (91, 35663), (93, 35672), (100, 35702), (120, 35747), (130, 35825),

Gene: Saints25_40 Start: 33715, Stop: 33329, Start Num: 61
Candidate Starts for Saints25_40:
(Start: 61 @33715 has 265 MA's), (85, 33613), (90, 33589), (123, 33478), (126, 33445), (130, 33415),

Gene: Samty_34 Start: 30922, Stop: 30485, Start Num: 61
Candidate Starts for Samty_34:
(Start: 61 @30922 has 265 MA's), (93, 30781), (125, 30637), (131, 30598),

Gene: Sarshaun_36 Start: 30708, Stop: 30244, Start Num: 61
Candidate Starts for Sarshaun_36:

(Start: 61 @30708 has 265 MA's), (80, 30621), (93, 30567), (96, 30549), (120, 30471), (123, 30456), (126, 30423),

Gene: Sassay_37 Start: 33450, Stop: 33064, Start Num: 61
Candidate Starts for Sassay_37:
(Start: 61 @33450 has 265 MA's), (85, 33348), (90, 33324), (123, 33213), (126, 33180), (130, 33150),

Gene: Schatzie_54 Start: 45292, Stop: 44942, Start Num: 60
Candidate Starts for Schatzie_54:
(Start: 60 @45292 has 35 MA's), (Start: 66 @45280 has 2 MA's), (69, 45274), (90, 45175), (110, 45091), (121, 45064), (126, 45022),

Gene: Sephiroth_38 Start: 31023, Stop: 30655, Start Num: 54
Candidate Starts for Sephiroth_38:
(Start: 54 @31023 has 23 MA's), (93, 30870), (126, 30729), (131, 30696),

Gene: Shaboozey_53 Start: 41155, Stop: 40796, Start Num: 62
Candidate Starts for Shaboozey_53:
(Start: 40 @41194 has 1 MA's), (Start: 62 @41155 has 7 MA's),

Gene: ShamWow_40 Start: 34638, Stop: 34252, Start Num: 61
Candidate Starts for ShamWow_40:
(Start: 61 @34638 has 265 MA's), (85, 34536), (90, 34512), (123, 34401), (126, 34368), (130, 34338),

Gene: ShayRa_35 Start: 23657, Stop: 24013, Start Num: 61
Candidate Starts for ShayRa_35:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: Sheng711_33 Start: 29627, Stop: 29169, Start Num: 61
Candidate Starts for Sheng711_33:
(20, 29696), (26, 29678), (Start: 61 @29627 has 265 MA's), (73, 29567), (79, 29549), (126, 29345), (131, 29312), (138, 29213),

Gene: ShereKhan_40 Start: 34946, Stop: 34560, Start Num: 61
Candidate Starts for ShereKhan_40:
(Start: 61 @34946 has 265 MA's), (85, 34844), (90, 34820), (123, 34709), (126, 34676), (130, 34646),

Gene: Silverleaf_33 Start: 29496, Stop: 29068, Start Num: 61
Candidate Starts for Silverleaf_33:
(Start: 61 @29496 has 265 MA's), (Start: 68 @29472 has 7 MA's), (93, 29355), (102, 29307), (131, 29178),

Gene: Simpliphy_40 Start: 33790, Stop: 33404, Start Num: 61
Candidate Starts for Simpliphy_40:
(Start: 61 @33790 has 265 MA's), (85, 33688), (90, 33664), (123, 33553), (126, 33520), (130, 33490),

Gene: SirDuracell_38 Start: 32722, Stop: 32336, Start Num: 61
Candidate Starts for SirDuracell_38:
(3, 32926), (Start: 61 @32722 has 265 MA's), (85, 32620), (90, 32596), (123, 32485), (126, 32452), (130, 32422),

Gene: Skinny_4 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for Skinny_4:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: SlimJimmy_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for SlimJimmy_3:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Smoothie_62 Start: 41485, Stop: 41150, Start Num: 54
Candidate Starts for Smoothie_62:
(Start: 54 @41485 has 23 MA's), (Start: 65 @41461 has 2 MA's), (Start: 66 @41458 has 2 MA's), (80, 41389), (89, 41353), (102, 41287), (126, 41209), (129, 41191), (131, 41176),

Gene: Snenia_34 Start: 30922, Stop: 30485, Start Num: 61
Candidate Starts for Snenia_34:
(Start: 61 @30922 has 265 MA's), (93, 30781), (125, 30637), (131, 30598),

Gene: SoJulia_37 Start: 30935, Stop: 30474, Start Num: 61
Candidate Starts for SoJulia_37:
(Start: 61 @30935 has 265 MA's), (80, 30848), (93, 30794), (120, 30698), (126, 30650),

Gene: Soap141_36 Start: 30708, Stop: 30244, Start Num: 61
Candidate Starts for Soap141_36:
(Start: 61 @30708 has 265 MA's), (80, 30621), (93, 30567), (96, 30549), (120, 30471), (123, 30456), (126, 30423),

Gene: SophKB_38 Start: 33962, Stop: 33576, Start Num: 61
Candidate Starts for SophKB_38:
(Start: 61 @33962 has 265 MA's), (85, 33860), (90, 33836), (123, 33725), (126, 33692), (130, 33662),

Gene: SororFago_34 Start: 25881, Stop: 26237, Start Num: 61
Candidate Starts for SororFago_34:
(Start: 61 @25881 has 265 MA's), (Start: 67 @25899 has 2 MA's), (91, 26013), (99, 26055), (101, 26070),

Gene: Sotrice96_38 Start: 33917, Stop: 33531, Start Num: 61
Candidate Starts for Sotrice96_38:
(Start: 61 @33917 has 265 MA's), (85, 33815), (90, 33791), (123, 33680), (126, 33647), (130, 33617),

Gene: Soups_34 Start: 23657, Stop: 24013, Start Num: 61
Candidate Starts for Soups_34:
(Start: 12 @23567 has 3 MA's), (47, 23639), (Start: 61 @23657 has 265 MA's), (Start: 65 @23669 has 2 MA's), (Start: 68 @23681 has 7 MA's), (77, 23726), (90, 23783), (93, 23795), (109, 23858), (128, 23966), (131, 23984),

Gene: SpeedDemon_440 Start: 41598, Stop: 41236, Start Num: 55
Candidate Starts for SpeedDemon_440:
(8, 41721), (39, 41631), (Start: 55 @41598 has 10 MA's), (Start: 68 @41565 has 7 MA's), (72, 41535), (73, 41532), (Start: 75 @41526 has 1 MA's), (94, 41442), (121, 41340),

Gene: Speedwell_53 Start: 36882, Stop: 37202, Start Num: 59
Candidate Starts for Speedwell_53:

(Start: 59 @36882 has 14 MA's), (Start: 66 @36900 has 2 MA's), (Start: 68 @36909 has 7 MA's), (69, 36912), (Start: 75 @36948 has 1 MA's), (90, 37011), (91, 37014), (100, 37053), (112, 37083), (127, 37146), (134, 37194),

Gene: Spooks_70 Start: 47151, Stop: 46807, Start Num: 61
Candidate Starts for Spooks_70:
(Start: 61 @47151 has 265 MA's), (Start: 75 @47088 has 1 MA's),

Gene: Squint_56 Start: 42792, Stop: 42394, Start Num: 40
Candidate Starts for Squint_56:
(Start: 40 @42792 has 1 MA's), (Start: 62 @42753 has 7 MA's), (Start: 68 @42738 has 7 MA's), (114, 42540),

Gene: Stank_41 Start: 34469, Stop: 34083, Start Num: 61
Candidate Starts for Stank_41:
(Start: 61 @34469 has 265 MA's), (85, 34367), (90, 34343), (123, 34232), (126, 34199), (130, 34169),

Gene: Stark_39 Start: 33704, Stop: 33318, Start Num: 61
Candidate Starts for Stark_39:
(Start: 61 @33704 has 265 MA's), (85, 33602), (90, 33578), (123, 33467), (126, 33434), (130, 33404),

Gene: StellaBean_38 Start: 33962, Stop: 33576, Start Num: 61
Candidate Starts for StellaBean_38:
(Start: 61 @33962 has 265 MA's), (85, 33860), (90, 33836), (123, 33725), (126, 33692), (130, 33662),

Gene: Stellammi_51 Start: 33236, Stop: 32898, Start Num: 60
Candidate Starts for Stellammi_51:
(Start: 60 @33236 has 35 MA's), (63, 33230), (Start: 75 @33185 has 1 MA's), (95, 33098), (125, 32972), (126, 32966),

Gene: StolenFromERC_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for StolenFromERC_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: StormChicken_38 Start: 34120, Stop: 33734, Start Num: 61
Candidate Starts for StormChicken_38:
(Start: 61 @34120 has 265 MA's), (85, 34018), (90, 33994), (123, 33883), (126, 33850), (130, 33820),

Gene: Strosahl_34 Start: 23499, Stop: 23855, Start Num: 61
Candidate Starts for Strosahl_34:
(Start: 12 @23409 has 3 MA's), (47, 23481), (Start: 61 @23499 has 265 MA's), (Start: 65 @23511 has 2 MA's), (Start: 68 @23523 has 7 MA's), (77, 23568), (90, 23625), (93, 23637), (109, 23700), (128, 23808), (131, 23826),

Gene: Success_71 Start: 46275, Stop: 45934, Start Num: 61
Candidate Starts for Success_71:
(Start: 61 @46275 has 265 MA's), (Start: 75 @46212 has 1 MA's), (95, 46125),

Gene: Sudan_49 Start: 35694, Stop: 36002, Start Num: 66
Candidate Starts for Sudan_49:
(Start: 59 @35676 has 14 MA's), (Start: 66 @35694 has 2 MA's), (Start: 75 @35742 has 1 MA's), (79, 35754), (93, 35817), (100, 35847), (130, 35970),

Gene: Sunhee_33 Start: 24708, Stop: 25064, Start Num: 61
Candidate Starts for Sunhee_33:
(46, 24684), (Start: 56 @24702 has 1 MA's), (Start: 61 @24708 has 265 MA's), (Start: 65 @24720 has 2 MA's), (91, 24840), (116, 24936), (122, 24963), (131, 25032),

Gene: SunkenRoot_49 Start: 36349, Stop: 36675, Start Num: 59
Candidate Starts for SunkenRoot_49:
(Start: 59 @36349 has 14 MA's), (Start: 65 @36364 has 2 MA's), (Start: 67 @36370 has 2 MA's), (Start: 75 @36415 has 1 MA's), (79, 36427), (80, 36436), (90, 36478), (91, 36481), (100, 36520), (125, 36607), (130, 36643),

Gene: Superphikiman_57 Start: 42825, Stop: 42466, Start Num: 62
Candidate Starts for Superphikiman_57:
(Start: 40 @42864 has 1 MA's), (Start: 62 @42825 has 7 MA's), (Start: 68 @42810 has 7 MA's), (114, 42612),

Gene: Switzerland_34 Start: 23567, Stop: 24007, Start Num: 14
Candidate Starts for Switzerland_34:
(Start: 14 @23567 has 1 MA's), (19, 23582), (47, 23633), (Start: 61 @23651 has 265 MA's), (Start: 65 @23663 has 2 MA's), (Start: 68 @23675 has 7 MA's), (77, 23720), (90, 23777), (93, 23789), (109, 23852), (128, 23960), (131, 23978),

Gene: Syleon_38 Start: 30945, Stop: 30577, Start Num: 54
Candidate Starts for Syleon_38:
(Start: 54 @30945 has 23 MA's), (93, 30792), (126, 30651), (131, 30618),

Gene: TBrady12_40 Start: 33953, Stop: 33567, Start Num: 61
Candidate Starts for TBrady12_40:
(Start: 61 @33953 has 265 MA's), (85, 33851), (90, 33827), (123, 33716), (126, 33683), (130, 33653),

Gene: Tarkin_40 Start: 34952, Stop: 34566, Start Num: 61
Candidate Starts for Tarkin_40:
(Start: 61 @34952 has 265 MA's), (85, 34850), (90, 34826), (123, 34715), (126, 34682), (130, 34652),

Gene: TeamEdward_38 Start: 34117, Stop: 33731, Start Num: 61
Candidate Starts for TeamEdward_38:
(Start: 61 @34117 has 265 MA's), (85, 34015), (90, 33991), (123, 33880), (126, 33847), (130, 33817),

Gene: TeardropMSU_37 Start: 33862, Stop: 33476, Start Num: 61
Candidate Starts for TeardropMSU_37:
(Start: 61 @33862 has 265 MA's), (85, 33760), (90, 33736), (123, 33625), (126, 33592), (130, 33562),

Gene: Teaspoon_40 Start: 34588, Stop: 34202, Start Num: 61
Candidate Starts for Teaspoon_40:
(Start: 61 @34588 has 265 MA's), (85, 34486), (90, 34462), (123, 34351), (126, 34318), (130, 34288),

Gene: Terminus_38 Start: 34033, Stop: 33647, Start Num: 61
Candidate Starts for Terminus_38:
(Start: 61 @34033 has 265 MA's), (85, 33931), (90, 33907), (123, 33796), (126, 33763), (130, 33733),

Gene: Thibault_51 Start: 43608, Stop: 43258, Start Num: 60
Candidate Starts for Thibault_51:

(Start: 60 @43608 has 35 MA's), (Start: 66 @43596 has 2 MA's), (69, 43590), (110, 43407), (126, 43338),

Gene: Thimble_39 Start: 33135, Stop: 32749, Start Num: 61
Candidate Starts for Thimble_39:
(Start: 61 @33135 has 265 MA's), (85, 33033), (90, 33009), (123, 32898), (126, 32865), (130, 32835),

Gene: ThreeRngTarjay_57 Start: 46578, Stop: 46228, Start Num: 60
Candidate Starts for ThreeRngTarjay_57:
(Start: 60 @46578 has 35 MA's), (Start: 66 @46566 has 2 MA's), (69, 46560), (110, 46377), (121, 46350), (126, 46308),

Gene: Thresher_40 Start: 34939, Stop: 34553, Start Num: 61
Candidate Starts for Thresher_40:
(Start: 61 @34939 has 265 MA's), (85, 34837), (90, 34813), (123, 34702), (126, 34669), (130, 34639),

Gene: Toaka_32 Start: 25087, Stop: 25443, Start Num: 61
Candidate Starts for Toaka_32:
(30, 25036), (37, 25048), (41, 25054), (Start: 61 @25087 has 265 MA's), (Start: 67 @25105 has 2 MA's), (Start: 68 @25111 has 7 MA's), (72, 25144), (83, 25183), (90, 25216), (110, 25300),

Gene: Tomaszewski_38 Start: 33782, Stop: 33396, Start Num: 61
Candidate Starts for Tomaszewski_38:
(Start: 61 @33782 has 265 MA's), (85, 33680), (90, 33656), (123, 33545), (126, 33512), (130, 33482),

Gene: Toniann_61 Start: 41201, Stop: 40866, Start Num: 54
Candidate Starts for Toniann_61:
(Start: 54 @41201 has 23 MA's), (Start: 65 @41177 has 2 MA's), (Start: 66 @41174 has 2 MA's), (80, 41105), (89, 41069), (102, 41003), (103, 41000), (126, 40925), (129, 40907), (131, 40892),

Gene: Toto_39 Start: 34638, Stop: 34252, Start Num: 61
Candidate Starts for Toto_39:
(Start: 61 @34638 has 265 MA's), (85, 34536), (90, 34512), (123, 34401), (126, 34368), (130, 34338),

Gene: Tourach_36 Start: 30674, Stop: 30207, Start Num: 61
Candidate Starts for Tourach_36:
(Start: 61 @30674 has 265 MA's), (93, 30533), (120, 30437), (126, 30389),

Gene: Towmatter_39 Start: 36511, Stop: 36152, Start Num: 55
Candidate Starts for Towmatter_39:
(Start: 55 @36511 has 10 MA's), (72, 36448), (73, 36445), (80, 36418), (84, 36406), (93, 36364), (121, 36256), (123, 36247), (124, 36232), (126, 36214),

Gene: TpudiCK_3 Start: 1872, Stop: 1495, Start Num: 61
Candidate Starts for TpudiCK_3:
(Start: 61 @1872 has 265 MA's), (81, 1782), (105, 1668), (123, 1590),

Gene: Traaww1_36 Start: 33584, Stop: 33198, Start Num: 61
Candidate Starts for Traaww1_36:
(Start: 61 @33584 has 265 MA's), (85, 33482), (90, 33458), (123, 33347), (126, 33314), (130, 33284),

Gene: Trax_38 Start: 32421, Stop: 32083, Start Num: 55
Candidate Starts for Trax_38:

(Start: 55 @32421 has 10 MA's), (Start: 75 @32349 has 1 MA's), (93, 32274), (108, 32220), (126, 32145), (131, 32112),

Gene: TriFive_34 Start: 30921, Stop: 30484, Start Num: 61
Candidate Starts for TriFive_34:
(Start: 61 @30921 has 265 MA's), (93, 30780), (125, 30636), (131, 30597),

Gene: Tuco_41 Start: 35146, Stop: 34760, Start Num: 61
Candidate Starts for Tuco_41:
(Start: 61 @35146 has 265 MA's), (85, 35044), (90, 35020), (123, 34909), (126, 34876), (130, 34846),

Gene: TyDawg_3 Start: 1873, Stop: 1496, Start Num: 61
Candidate Starts for TyDawg_3:
(Start: 61 @1873 has 265 MA's), (81, 1783), (105, 1669), (123, 1591),

Gene: Tyson_33 Start: 29497, Stop: 29069, Start Num: 61
Candidate Starts for Tyson_33:
(Start: 61 @29497 has 265 MA's), (Start: 68 @29473 has 7 MA's), (93, 29356), (102, 29308), (131, 29179),

Gene: UPIE_33 Start: 29494, Stop: 29066, Start Num: 61
Candidate Starts for UPIE_33:
(Start: 61 @29494 has 265 MA's), (Start: 68 @29470 has 7 MA's), (93, 29353), (102, 29305), (131, 29176),

Gene: Ukulele_39 Start: 33943, Stop: 33557, Start Num: 61
Candidate Starts for Ukulele_39:
(Start: 61 @33943 has 265 MA's), (85, 33841), (90, 33817), (123, 33706), (126, 33673), (130, 33643),

Gene: Underpass_36 Start: 30676, Stop: 30215, Start Num: 61
Candidate Starts for Underpass_36:
(Start: 61 @30676 has 265 MA's), (80, 30589), (93, 30535), (96, 30517), (120, 30439), (126, 30391),

Gene: Urza_48 Start: 32294, Stop: 32611, Start Num: 59
Candidate Starts for Urza_48:
(5, 32120), (9, 32168), (34, 32246), (Start: 59 @32294 has 14 MA's), (119, 32495), (126, 32543), (129, 32561), (130, 32573), (133, 32597),

Gene: Vanisoa_33 Start: 26326, Stop: 26682, Start Num: 61
Candidate Starts for Vanisoa_33:
(31, 26287), (Start: 61 @26326 has 265 MA's), (Start: 67 @26344 has 2 MA's), (Start: 68 @26350 has 7 MA's), (83, 26422), (110, 26539),

Gene: Vanseggelen_54 Start: 35360, Stop: 35674, Start Num: 65
Candidate Starts for Vanseggelen_54:
(Start: 59 @35345 has 14 MA's), (Start: 65 @35360 has 2 MA's), (Start: 67 @35366 has 2 MA's), (69, 35375), (Start: 75 @35411 has 1 MA's), (79, 35423), (90, 35474), (91, 35477), (100, 35516), (126, 35609), (130, 35639),

Gene: Verabelle_53 Start: 35861, Stop: 36199, Start Num: 53
Candidate Starts for Verabelle_53:
(45, 35846), (53, 35861), (Start: 59 @35870 has 14 MA's), (Start: 65 @35885 has 2 MA's), (Start: 75 @35936 has 1 MA's), (85, 35975), (92, 36008), (93, 36011), (100, 36041), (126, 36134), (129, 36152),

(130, 36164),

Gene: Verse_49 Start: 36587, Stop: 36847, Start Num: 75
Candidate Starts for Verse_49:
(Start: 59 @36521 has 14 MA's), (Start: 65 @36536 has 2 MA's), (Start: 67 @36542 has 2 MA's), (Start: 75 @36587 has 1 MA's), (79, 36599), (80, 36608), (90, 36650), (91, 36653), (100, 36692), (125, 36779), (130, 36815),

Gene: Vetrix_36 Start: 30680, Stop: 30219, Start Num: 61
Candidate Starts for Vetrix_36:
(Start: 61 @30680 has 265 MA's), (80, 30593), (93, 30539), (120, 30443), (126, 30395),

Gene: VieEnRose_48 Start: 32357, Stop: 32674, Start Num: 59
Candidate Starts for VieEnRose_48:
(34, 32309), (Start: 59 @32357 has 14 MA's), (95, 32510), (119, 32558), (126, 32606), (129, 32624), (130, 32636), (133, 32660),

Gene: Volt_29 Start: 8708, Stop: 8367, Start Num: 50
Candidate Starts for Volt_29:
(Start: 50 @8708 has 6 MA's), (Start: 66 @8675 has 2 MA's), (Start: 75 @8627 has 1 MA's), (85, 8588), (93, 8552), (128, 8417),

Gene: Volt_67 Start: 37332, Stop: 36976, Start Num: 52
Candidate Starts for Volt_67:
(Start: 52 @37332 has 6 MA's), (Start: 62 @37317 has 7 MA's), (133, 37014),

Gene: Waits_34 Start: 23529, Stop: 23861, Start Num: 68
Candidate Starts for Waits_34:
(Start: 12 @23415 has 3 MA's), (47, 23487), (Start: 61 @23505 has 265 MA's), (Start: 65 @23517 has 2 MA's), (Start: 68 @23529 has 7 MA's), (77, 23574), (90, 23631), (93, 23643), (109, 23706), (128, 23814), (131, 23832),

Gene: Wamburgrxpress_33 Start: 29509, Stop: 29081, Start Num: 61
Candidate Starts for Wamburgrxpress_33:
(Start: 61 @29509 has 265 MA's), (Start: 68 @29485 has 7 MA's), (93, 29368), (102, 29320), (131, 29191),

Gene: Wanda_65 Start: 46290, Stop: 45940, Start Num: 60
Candidate Starts for Wanda_65:
(Start: 60 @46290 has 35 MA's), (Start: 66 @46278 has 2 MA's), (69, 46272), (110, 46089), (121, 46062), (126, 46020),

Gene: Warrior24_34 Start: 23533, Stop: 23865, Start Num: 68
Candidate Starts for Warrior24_34:
(Start: 12 @23419 has 3 MA's), (47, 23491), (Start: 61 @23509 has 265 MA's), (Start: 65 @23521 has 2 MA's), (Start: 68 @23533 has 7 MA's), (77, 23578), (90, 23635), (93, 23647), (109, 23710), (128, 23818), (131, 23836),

Gene: Whirlwind_35 Start: 30700, Stop: 30230, Start Num: 43
Candidate Starts for Whirlwind_35:
(27, 30727), (Start: 43 @30700 has 1 MA's), (Start: 56 @30676 has 1 MA's), (Start: 61 @30670 has 265 MA's), (93, 30529), (125, 30385), (131, 30346),

Gene: Wiggin_41 Start: 34467, Stop: 34081, Start Num: 61
Candidate Starts for Wiggin_41:
(Start: 61 @34467 has 265 MA's), (85, 34365), (90, 34341), (123, 34230), (126, 34197), (130, 34167),

Gene: Wigglewiggle_36 Start: 30707, Stop: 30243, Start Num: 61
Candidate Starts for Wigglewiggle_36:
(Start: 61 @30707 has 265 MA's), (80, 30620), (93, 30566), (96, 30548), (120, 30470), (123, 30455), (126, 30422),

Gene: Wilder_36 Start: 30680, Stop: 30216, Start Num: 61
Candidate Starts for Wilder_36:
(Start: 61 @30680 has 265 MA's), (80, 30593), (93, 30539), (96, 30521), (120, 30443), (123, 30428), (126, 30395),

Gene: Willez_37 Start: 33450, Stop: 33064, Start Num: 61
Candidate Starts for Willez_37:
(Start: 61 @33450 has 265 MA's), (85, 33348), (90, 33324), (123, 33213), (126, 33180), (130, 33150),

Gene: WilliamBoone_60 Start: 40153, Stop: 39818, Start Num: 54
Candidate Starts for WilliamBoone_60:
(Start: 54 @40153 has 23 MA's), (63, 40135), (Start: 65 @40129 has 2 MA's), (89, 40021), (131, 39844),

Gene: Winky_36 Start: 30674, Stop: 30213, Start Num: 61
Candidate Starts for Winky_36:
(Start: 61 @30674 has 265 MA's), (80, 30587), (93, 30533), (120, 30437), (126, 30389),

Gene: WorldCup_31 Start: 24788, Stop: 25045, Start Num: 83
Candidate Starts for WorldCup_31:
(42, 24662), (Start: 61 @24692 has 265 MA's), (Start: 67 @24710 has 2 MA's), (Start: 68 @24716 has 7 MA's), (83, 24788), (131, 25013),

Gene: Wyatt2_33 Start: 29496, Stop: 29068, Start Num: 61
Candidate Starts for Wyatt2_33:
(Start: 61 @29496 has 265 MA's), (Start: 68 @29472 has 7 MA's), (93, 29355), (102, 29307), (131, 29178),

Gene: Xandras_40 Start: 33936, Stop: 33550, Start Num: 61
Candidate Starts for Xandras_40:
(Start: 61 @33936 has 265 MA's), (85, 33834), (90, 33810), (123, 33699), (126, 33666), (130, 33636),

Gene: Xiaokay_52 Start: 43214, Stop: 42864, Start Num: 60
Candidate Starts for Xiaokay_52:
(Start: 60 @43214 has 35 MA's), (Start: 66 @43202 has 2 MA's), (69, 43196), (110, 43013), (126, 42944),

Gene: Yappy_125 Start: 60796, Stop: 60413, Start Num: 62
Candidate Starts for Yappy_125:
(Start: 62 @60796 has 7 MA's), (93, 60664), (131, 60523), (137, 60475),

Gene: YassJohnny_39 Start: 34478, Stop: 34092, Start Num: 61
Candidate Starts for YassJohnny_39:
(Start: 61 @34478 has 265 MA's), (85, 34376), (90, 34352), (123, 34241), (126, 34208), (130, 34178),

Gene: Yeet_57 Start: 45711, Stop: 45361, Start Num: 60
Candidate Starts for Yeet_57:
(Start: 60 @45711 has 35 MA's), (Start: 66 @45699 has 2 MA's), (69, 45693), (90, 45594), (110, 45510), (126, 45441),

Gene: Yosif_51 Start: 36318, Stop: 36647, Start Num: 55
Candidate Starts for Yosif_51:
(7, 36186), (28, 36270), (33, 36276), (Start: 54 @36315 has 23 MA's), (Start: 55 @36318 has 10 MA's), (Start: 59 @36324 has 14 MA's), (Start: 75 @36390 has 1 MA's), (95, 36477), (126, 36585), (129, 36603),

Gene: Youngblood_38 Start: 34123, Stop: 33737, Start Num: 61
Candidate Starts for Youngblood_38:
(Start: 61 @34123 has 265 MA's), (85, 34021), (90, 33997), (123, 33886), (126, 33853), (130, 33823),

Gene: Zakai_36 Start: 30931, Stop: 30467, Start Num: 61
Candidate Starts for Zakai_36:
(Start: 61 @30931 has 265 MA's), (80, 30844), (93, 30790), (96, 30772), (120, 30694), (126, 30646),

Gene: ZamZam_49 Start: 35721, Stop: 36038, Start Num: 59
Candidate Starts for ZamZam_49:
(Start: 59 @35721 has 14 MA's), (69, 35751), (90, 35850), (91, 35853), (93, 35862), (100, 35892), (122, 35940), (126, 35976), (130, 36006),

Gene: Zaria_33 Start: 29511, Stop: 29083, Start Num: 61
Candidate Starts for Zaria_33:
(Start: 61 @29511 has 265 MA's), (Start: 68 @29487 has 7 MA's), (93, 29370), (102, 29322), (131, 29193),

Gene: Zelink_57 Start: 46891, Stop: 46541, Start Num: 60
Candidate Starts for Zelink_57:
(Start: 60 @46891 has 35 MA's), (Start: 66 @46879 has 2 MA's), (69, 46873), (110, 46690), (121, 46663), (126, 46621),

Gene: ZhongYanYuan_35 Start: 30506, Stop: 30036, Start Num: 61
Candidate Starts for ZhongYanYuan_35:
(Start: 61 @30506 has 265 MA's), (79, 30428), (80, 30419), (93, 30365), (120, 30269), (126, 30221), (131, 30188),

Gene: Ziko_30 Start: 8648, Stop: 8307, Start Num: 50
Candidate Starts for Ziko_30:
(Start: 50 @8648 has 6 MA's), (Start: 66 @8615 has 2 MA's), (Start: 75 @8567 has 1 MA's), (85, 8528), (93, 8492), (128, 8357),

Gene: Ziko_67 Start: 37154, Stop: 36798, Start Num: 52
Candidate Starts for Ziko_67:
(Start: 52 @37154 has 6 MA's), (Start: 62 @37139 has 7 MA's), (133, 36836),

Gene: phiCAM_46 Start: 37446, Stop: 37760, Start Num: 59
Candidate Starts for phiCAM_46:
(10, 37344), (Start: 59 @37446 has 14 MA's), (Start: 66 @37464 has 2 MA's), (69, 37476), (Start: 75 @37512 has 1 MA's), (90, 37575), (100, 37617),

Gene: xkcd_39 Start: 34115, Stop: 33729, Start Num: 61
Candidate Starts for xkcd_39:
(Start: 61 @34115 has 265 MA's), (85, 34013), (90, 33989), (123, 33878), (126, 33845), (130, 33815),