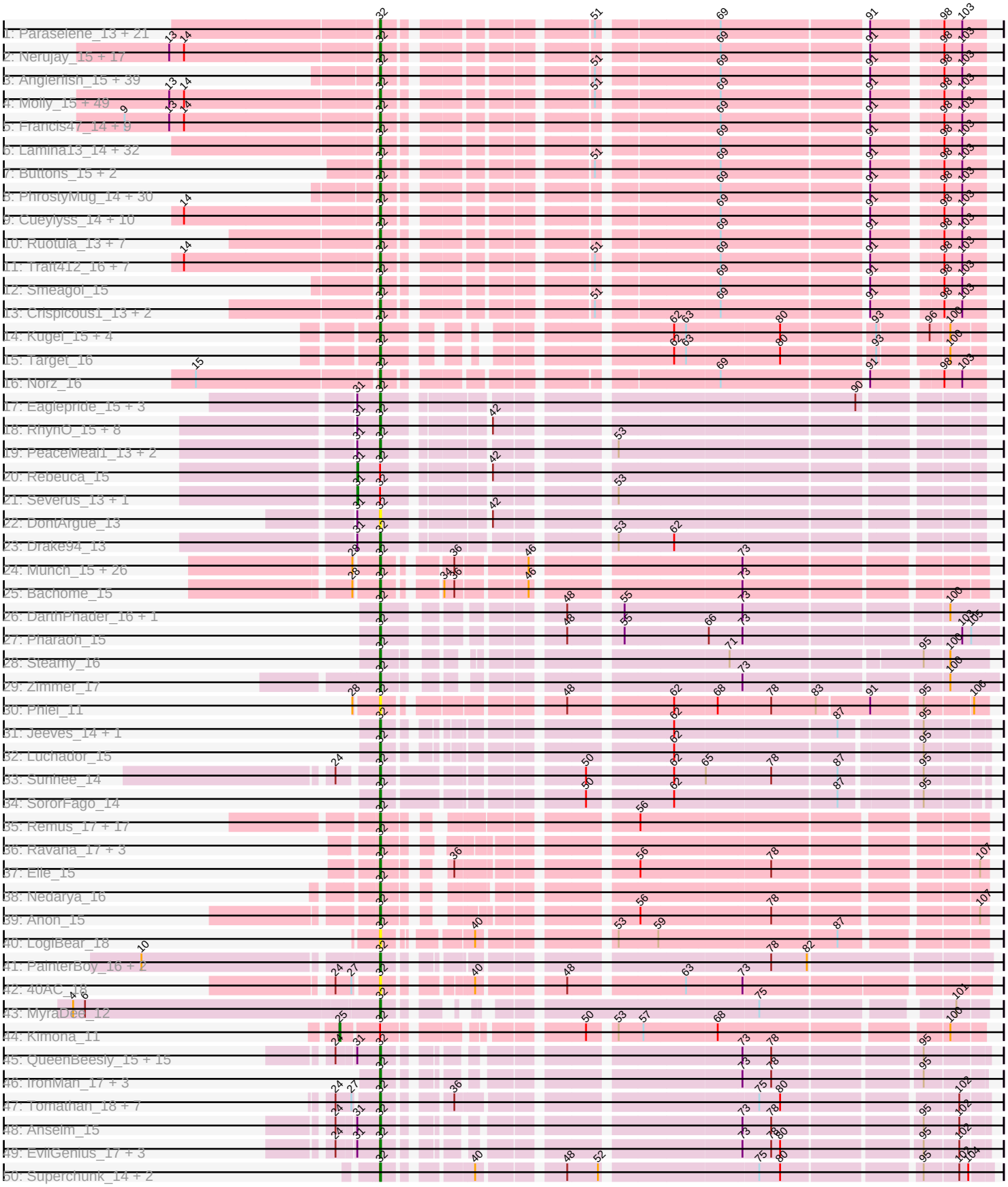
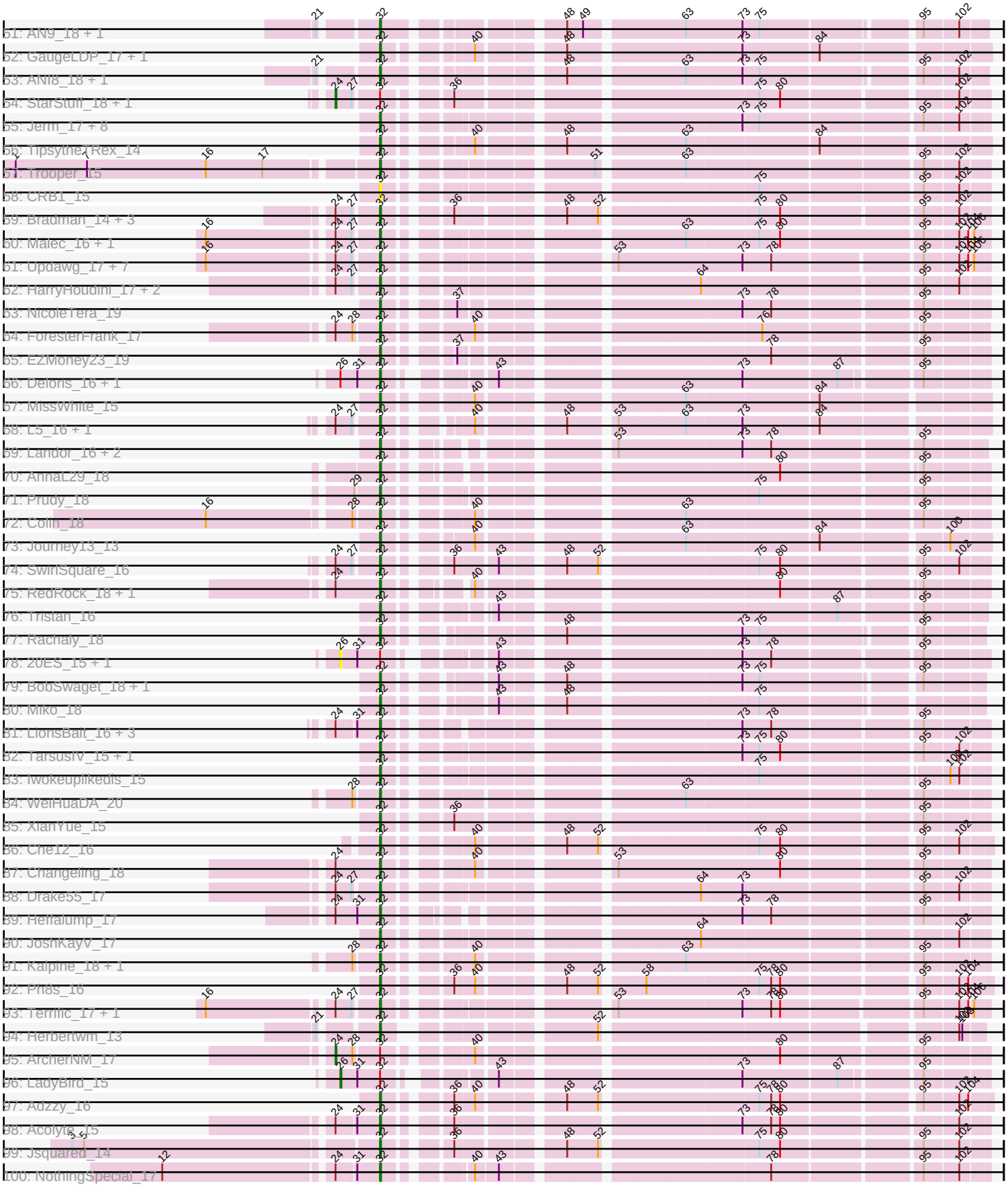
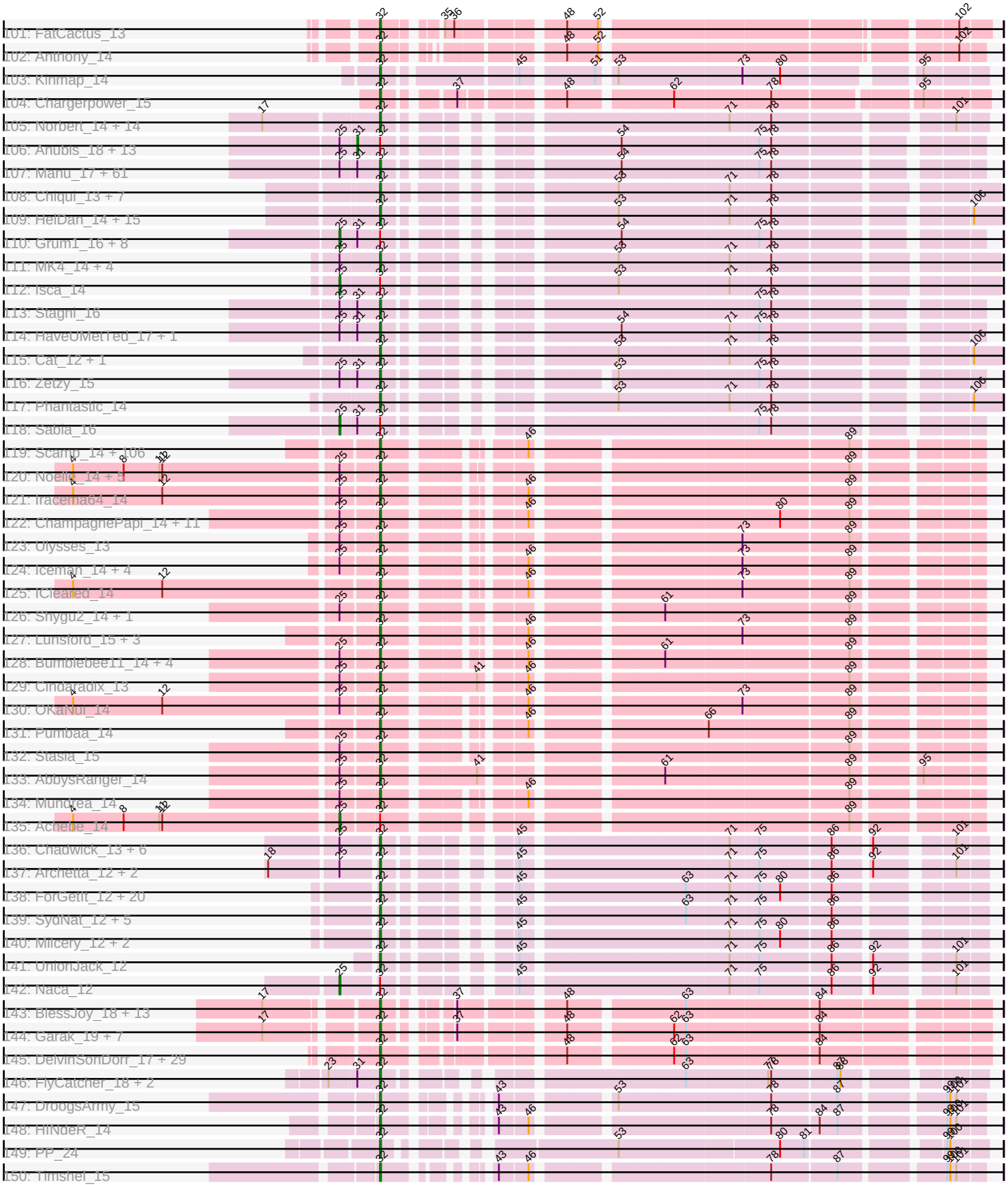
Pham 347028


1: Paraselene_13 + 21
2: Nerujay_15 + 17
3: Anglerfish_15 + 39
4: Molly_15 + 49
5: Francis47_14 + 9
6: Lamina13_14 + 32
7: Buttons_15 + 2
8: PhrostyMug_14 + 30
9: Cueylyss_14 + 10
10: Ruotula_13 + 7
11: Trafi412_16 + 7
12: Smeagol_15
13: Crispicous1_13 + 2
14: Kugel_15 + 4
15: Target_16
16: Norz_16
17: Eaglepride_15 + 3
18: RhynO_15 + 8
19: PeaceMeal1_13 + 2
20: Rebeuca_15
21: Severus_13 + 1
22: DontArgue_13
23: Drake94_13
24: Munch_15 + 26
25: Bachome_15
26: DarthPhader_16 + 1
27: Pharaoh_15
28: Steamy_16
29: Zimmer_17
30: Phiel_11
31: Jeeves_14 + 1
32: Luchador_15
33: Sunnee_14
34: SororFago_14
35: Remus_17 + 17
36: Ravana_17 + 3
37: Elle_15
38: Nedarya_16
39: Anon_15
40: LogiBear_18
41: PainterBoy_16 + 2
42: 40AC_18
43: MyraDee_12
44: Kimona_11
45: QueenBeesly_15 + 15
46: IronMan_17 + 3
47: Tomathan_18 + 7
48: Anselm_15
49: EvilGenius_17 + 3
50: Superchunk_14 + 2

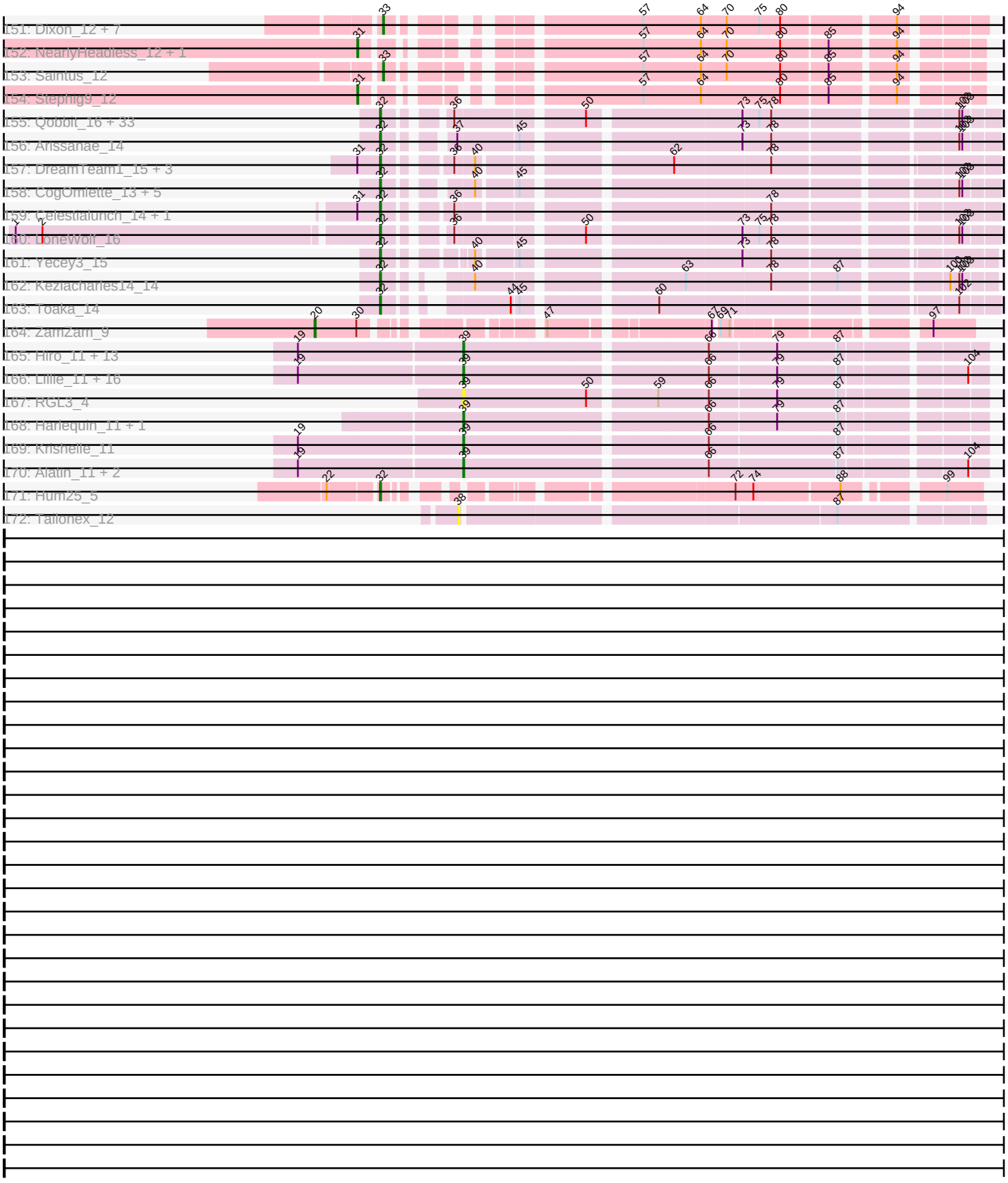
Pham 347028


51: AN9_18 + 1
52: GaugeLDP_17 + 1
53: AN8_18 + 1
54: StarStuff_18 + 1
55: Jerm_17 + 8
56: TipsytheTRex_14
57: Trooper_15
58: CRB1_15
59: Bradman_14 + 3
60: Malec_16 + 1
61: Updawg_17 + 7
62: HarryHoudini_17 + 2
63: NicoleTera_19
64: ForesterFrank_17
65: EZMoney23_19
66: Deloris_16 + 1
67: MissWhite_15
68: L5_16 + 1
69: Landor_16 + 2
70: AnnaL29_18
71: Prudy_18
72: Colin_18
73: Journey13_13
74: SwimSquare_16
75: RedRock_18 + 1
76: Tristan_16
77: Rachaly_18
78: 20ES_15 + 1
79: BobSwaget_18 + 1
80: Miko_18
81: LionsBait_16 + 3
82: TarsusIV_15 + 1
83: Iwokeuplikedis_15
84: WeiHuaDA_20
85: XianYue_15
86: Che12_16
87: Changeling_18
88: Drake55_17
89: Hemalump_17
90: JoshKayV_17
91: Kalpine_18 + 1
92: Phi8s_16
93: Terrific_17 + 1
94: Herbertwm_13
95: ArcherNM_17
96: LadyBird_15
97: Adzzy_16
98: Acolyte_15
99: Jsquared_14
100: NothingSpecial_17

Pham 347028


I01: FatCactus_13
I02: Anthony_14
I03: Kinmap_14
I04: Chargerpower_15
I05: Norbert_14 + 14
I06: Anubis_18 + 13
I07: Manu_17 + 61
I08: Chiqui_13 + 7
I09: HelDan_14 + 15
I10: Grum1_16 + 8
I11: MK4_14 + 4
I12: Isca_14
I13: Stagni_16
I14: HaveOMetYed_17 + 1
I15: Cat_12 + 1
I16: Zetzy_15
I17: Phantastic_14
I18: Sabia_16
I19: Scamp_14 + 106
I20: Noelle_14 + 3
I21: Iracema64_14
I22: ChampagnePapi_14 + 11
I23: Olysses_13
I24: Iceman_14 + 4
I25: ICleaned_14
I26: Shygu2_14 + 1
I27: Lunsford_15 + 3
I28: Bumblebee11_14 + 4
I29: Cindaradix_13
I30: OKaNui_14
I31: Pumbaa_14
I32: Stasia_15
I33: AbbysRanger_14
I34: Mundrea_14
I35: Achebe_14
I36: Chadwick_13 + 6
I37: Archetta_12 + 2
I38: ForGetit_12 + 20
I39: SyuNat_12 + 5
I40: Mllcery_12 + 2
I41: UnionJack_12
I42: Naca_12
I43: BlessJoy_18 + 13
I44: Garak_19 + 7
I45: DelvinSonDon_17 + 29
I46: FlyCatcher_18 + 2
I47: DroogsArmy_15
I48: HiNdeR_14
I49: PP_24
I50: Timshel_15

Pham 347028


151: Dixon_12 + 7
152: NearlyHeadless_12 + 1
153: Saintus_12
154: Stephig9_12
155: Qobbit_16 + 33
156: Anissanae_14
157: DreamTeam1_15 + 3
158: CogOmlette_13 + 5
159: Celestialunch_14 + 1
160: LoneWolf_16
161: Yecey3_15
162: Keziachanes14_14
163: Toaka_14
164: ZamZam_9
165: Hiro_11 + 13
166: Lillie_11 + 16
167: RGL3_4
168: Harlequin_11 + 1
169: Krishelle_11
170: Alatin_11 + 2
171: Hum25_5
172: Tallonex_12

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 347028 Report

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

Pham number 347028 has 959 members, 62 are drafts.

Phages represented in each track:
• Track 1 : Paraselene_13, Scowl_15, Briton15_16, Jasper_15, Seanderson_15, Bruns_13, DrFeelGood_13, Abrogate_150, Rajelicia_14, Sagefire_15, Dreamboat_15, Bethlehem_14, Doom_14, Raid_14, Rhynn_14, Arlo_13, Bob3_13, ProMouse_15, TwoPeat_15, Rubeus_15, Mryolo_13, Arcanine_15
• Track 2 : Nerujay_15, Pepe_15, Pita2_16, Agaliana_14, Dulcie_13, PSullivan_16, Blue_14, Graduation_16, SkiPole_16, LilBib_15, Ringer_14, Fascinus_13, Maroc7_13, Dexes_15, Rutherferd_16, IgnatiusPatJac_13, EnzoK_15, BluSpix_14
• Track 3 : Anglerfish_15, Kenmech_17, PowerRanger_14, A6_12, Squee_15, Euphoria_14, Petruchio_14, Michley_14, Parliament_13, StewieG_13, Corvo_14, Dussy_15, Switzer_15, Bigchungi_14, Abbyshoes_15, Blackflame_14, Barriga_14, Makemake_14, Froghopper_15, Aldrich_15, Marsha_14, Hermia_16, Magnar_14, Lesedi_13, TheloniousMonk_16, Zephyr_14, CatBus_15, ShortQueendom_14, Inyanga_13, DirtDevil_15, DreamCatcher_17, BK1_12, GroundGoblin_15, Pari_15, Tripl3t_15, U2_14, Espresso_14, Noxious_16, Iqorha_13, KikiBouba_16
• Track 4 : Molly_15, CartmannCramer_14, Altman_15, Bircsak_14, Lopton_15, Petp2012_16, Papez_16, Gompeii16_14, PattyP_16, Acme_16, Rohr_15, Alvin_15, Ciao_14, Magnito_13, Burton_15, GMonster_13, MPlant7149_13, Tote_16, Monet_16, BPBiebs31_15, Pippin_16, Thor_14, ChristmasHams_14, ConceptII_14, Ichabod_15, Gyzlar_16, Swole_16, GrecoEtereo_15, Marge_15, Museum_16, Rufus_15, BigMau_16, Zeeculate_13, JackSparrow_15, Pinto_16, KSSJEB_14, Sibs6_16, Slagathor_15, QTRlifeCrisis_14, Jerm2_15, Homines_14, SarFire_14, JC27_16, Wheeler_14, Nhonho_14, JuliaChild_16, LunarLander_14, Marcell_14, HarryOW_15, STLscum_15
• Track 5 : Francis47_14, Topgun_14, Wilkins_14, Gachnar_14, Levia_14, Eyeball_14, PhineBark_13, Ajay_14, Violet_13, BarrowTuph_13
• Track 6 : Lamina13_14, BeesKnees_15, MetalQZJ_14, StrongArm_13, MaryBeth_14, Hami1_16, Payneful_14, Teodoridan_12, Dynamix_15, PherrisBueller_15, NEHalo_14, CactusRose_13, Bexan_13, Marco3_14, McSinger_15, Carlyle_16, Jorgensen_14, Alsfro_18, GageAP_16, HanShotFirst_14, DD5_15, Pelly_15, Zeuska_15, Marchy_13, Lockley_14, KBG_15, Big3_14, McGuire_15, Snazzy_12, SpikeBT_16, MrGordo_14, Trouble_14, Seabiscuit_16
• Track 7 : Buttons_15, BaconJack_16, Licorice_16
• Track 8 : PhrostyMug_14, Perseus_15, Solon_14, PacerPaul_14, Beatrix_13, Mule_14, Greg_16, Niza_16, Bones_14, Sumter_13, Gandalf20_15, Aeneas_16, Adahisdi_15, Chanagan_13, Puppet_14, MilleFeuille_13, Moose_13, Tasp14_15, Fajezeel_16, Paphu_13, Ashballer_13, Turj99_13, Kanely_15, Killigrew_12, Atkinbua_15, SwissCheese_14, Forsytheast_13, Manatee_15, Oogway_13,

PinkPlastic_13, Phlippers_13
• Track 9 : Cueylyss_14, ILeeKay_16, Edtherson_15, Watermelon_16, Bigfoot_13, AFIS_14, Blesser_14, Treddle_16, KyMonks1A_16, Applejack_14, Sunshine924_13
• Track 10 : Ruotula_13, BigPaolini_15, Sorpresa_14, Sandaddy_13, Sanya_14, Peterson_17, PascalRango_13, Gwendoluna_16
• Track 11 : Traft412_16, Naira_15, Fushigi_15, Hope4ever_14, Mkhuseli_15, RidgeCB_14, Smairt_15, Fenn_15
• Track 12 : Smeagol_15
• Track 13 : Crispicous1_13, HermioneGrange_14, Ohno789_14
• Track 14 : Kugel_15, Whitspit_15, Kykar_12, BillKnuckles_15, Bxb1_13
• Track 15 : Target_16
• Track 16 : Norz_16
• Track 17 : Eaglepride_15, Goose_14, OKCentral2016_14, Chupacabra_14
• Track 18 : RhynO_15, Shapes_17, Rowdy_17, DustyMartin_17, Twister_14, Topanga_14, WalterMcMickey_14, Edison31_14, Kristoff_15
• Track 19 : PeaceMeal1_13, Poompha_13, KittenMittens_13
• Track 20 : Rebeuca_15
• Track 21 : Severus_13, Trike_12
• Track 22 : DontArgue_13
• Track 23 : Drake94_13
• Track 24 : Munch_15, Salz_15, Aneem_15, Lucivia_15, Orange_15, Insomnia_15, Jabith_15, TinyTimmy_15, Et2Brutus_14, Gilberta_15, Flaverint_15, Fibonacci_15, Bowtie_15, Saskia_15, Sham4_15, Petersenfast_15, Ebony_15, MaCh_15, Joselito_15, Timothy_15, Mulciber_15, Kimba_15, Bud_15, Hutc2_15, Wolpertinger_14, Mabel_15, Snape_15
• Track 25 : Bachome_15
• Track 26 : DarthPhader_16, Refuge_18
• Track 27 : Pharaoh_15
• Track 28 : Steamy_16
• Track 29 : Zimmer_17
• Track 30 : Phlei_11
• Track 31 : Jeeves_14, Gail_14
• Track 32 : Luchador_15
• Track 33 : Sunhee_14
• Track 34 : SororFago_14
• Track 35 : Remus_17, MinecraftSteve_18, LastResort_17, ShayRa_18, Warrior24_17, Rosalind_17, KatherineG_17, DekHockey33_17, Oofda_17, Waits_17, Nebulosus_17, ReMo_17, Epsocamisio_17, Looper_18, Anaysia_17, Strosahl_17, Soups_17, Boohoo_17
• Track 36 : Ravana_17, Switzerland_17, Battleship_18, JSwag_17
• Track 37 : Elle_15
• Track 38 : Nedarya_16
• Track 39 : Anon_15
• Track 40 : LogiBear_18
• Track 41 : PainterBoy_16, Lucyedi_16, EagleEye_17
• Track 42 : 40AC_18
• Track 43 : MyraDee_12
• Track 44 : Kimona_11
• Track 45 : QueenBeesly_15, AN3_15, Georgie2_16, SweetiePie_15, Power_15, DudeLittle_15, VA6_15, Benvolio_15, Fameo_15, Retro23_15, Dalmatian_15, QueenB2_15, SnapTap_15, Echild_15, Crucio_15, FiringLine_15
• Track 46 : IronMan_17, Jaan_18, DeerParkTS_16, Phaded_18

• Track 47 : Tomathan_18, D29_16, DBQu4n_18, Duplo_18, Kerberos_18, D32_18, Naji_18, Travvers_18
• Track 48 : Anselm_15
• Track 49 : EvilGenius_17, ChipMunk_17, SemperFi_17, KingCyrus_17
• Track 50 : Superchunk_14, Caraxes_14, Odin_14
• Track 51 : AN9_18, VC3_18
• Track 52 : GaugeLDP_17, BabyBack_17
• Track 53 : ANI8_18, C3_13
• Track 54 : StarStuff_18, Pomar16_18
• Track 55 : Jerm_17, Dignity_17, AbbyPaige_17, Whabigail7_17, Bugsy_17, Smeagan_17, Leviathan_17, LilTurb_17, Agape74_17
• Track 56 : TipsytheTRex_14
• Track 57 : Trooper_15
• Track 58 : CRB1_15
• Track 59 : Bradman_14, Quokka_13, Serenity_14, MajorMajor_14
• Track 60 : Malec_16, Larenn_16
• Track 61 : Updawg_17, NaSiaTalie_15, Flare16_15, Equemioh13_17, Sknot_15, MiculUcigas_15, Gratitude_17, WideWale_17
• Track 62 : HarryHoudini_17, Baehexic_16, Piro94_16
• Track 63 : NicoleTera_19
• Track 64 : ForesterFrank_17
• Track 65 : EZMoney23_19
• Track 66 : Deloris_16, BengiVuitton_16
• Track 67 : MissWhite_15
• Track 68 : L5_16, Koduck_16
• Track 69 : Landor_16, Pukovnik_17, Bactobuster_16
• Track 70 : AnnaL29_18
• Track 71 : Prudy_18
• Track 72 : Colin_18
• Track 73 : Journey13_13
• Track 74 : SwirlSquare_16
• Track 75 : RedRock_18, Loser_18
• Track 76 : Tristan_16
• Track 77 : Rachaly_18
• Track 78 : 20ES_15, First_0015
• Track 79 : BobSwaget_18, Lokk_18
• Track 80 : Miko_18
• Track 81 : LionsBait_16, Leogania_17, HippoHollow_16, BiancaTri92_17
• Track 82 : TarsusIV_15, Turbido_17
• Track 83 : Iwokeuplikedis_15
• Track 84 : WeiHuaDA_20
• Track 85 : XianYue_15
• Track 86 : Che12_16
• Track 87 : Changeling_18
• Track 88 : Drake55_17
• Track 89 : Heffalump_17
• Track 90 : JoshKayV_17
• Track 91 : Kalpine_18, Trixie_18
• Track 92 : Ph8s_16
• Track 93 : Terrific_17, Centaur_17
• Track 94 : Herbertwm_13
• Track 95 : ArcherNM_17
• Track 96 : LadyBird_15

• Track 97 : Adzzy_16
• Track 98 : Acolyte_15
• Track 99 : Jsquared_14
• Track 100 : NothingSpecial_17
• Track 101 : FatCactus_13
• Track 102 : Anthony_14
• Track 103 : Kinmap_14
• Track 104 : Chargerpower_15
• Track 105 : Norbert_14, Popcicle_15, Veracruz_14, Noella_15, ResDef_15, Panamaxus_15, Pocahontas_15, Caviar_15, Todacoro_15, Hookmount_15, Texage_14, EtoileNova_15, Lambert1_15, Margo_15, QuinnKiro_14
• Track 106 : Anubis_18, Misomonster_18, Louie6_16, Hercules11_16, Jobu08_16, Methuselah_16, LugYA_18, Beauxregard13_16, Aglet_16, MarQuardt_16, Vix_16, Tiffany_16, Marie_16, Penny1_16
• Track 107 : Manu_17, JenCasNa_16, LarryKay_16, BuzzBuzz_15, Lowa_16, Spike509_16, P28Green_16, DaHudson_16, Heliosoles_16, Bigflo_16, SoYo_16, Grub_16, StepMih_16, MadMarie_16, KADY_17, Calvinny_16, HashRod_17, Bxz2_16, Gwennie_16, ACFishhook_16, Croquant_17, Ollie_16, Farber_16, PGHhamlin_18, OlanP_16, Microwolf_16, AgronaGT15_16, AugsMagnumOpus_18, Dieselweasel_16, Gemma_16, MuchMore_18, JHC117_16, Colbster_16, GtownJaz_16, Phranny_17, Kalb97_17, Grif_16, Lilith_16, Kalnoky_17, Phoebe_16, Daishi_15, Rummer_16, Taurus_16, LBerry_16, Pawn_16, Soshari_18, Sabinator_16, TinyPebbles_16, PurpleHaze_16, ClownCar_16, JeppNRM_17, Montavir_15, Pembroke_16, Snickers_16, Phoxy_16, Fernando_16, Marius_17, EpicPhail_16, Groupthink_17, GingkoMaracino_16, Watson_16, Reba_17
• Track 108 : Chiqui_13, BabyJohn_13, Goose1X_14, Scout_14, Shep_14, Goose1D_14, Fred313_14, MA5_14
• Track 109 : HelDan_14, Kachowdy_14, Giroux_15, Bugatti_15, Marchesa_14, Puppy_15, Idleandcovert_14, Roimos_14, Pistachio_15, Heathen_14, Zarafa_14, Clammy_15, TNguyen7_14, BlueBird_15, SaturnRing_14, DropBear_14
• Track 110 : Grum1_16, Wooldri_18, Mainiac_16, PotatoSplit_17, BreSam8_16, MoneyMay_16, SoilDragon_16, Cullens_16, Malinsilva_18
• Track 111 : MK4_14, Rockstar_14, B1_12, JF4_14, JF2_14
• Track 112 : Isca_14
• Track 113 : Stagni_16
• Track 114 : HaveUMetTed_17, PhishRPhriends_15
• Track 115 : Cat_12, BabyRay_14
• Track 116 : Zetzy_15
• Track 117 : Phantastic_14
• Track 118 : Sabia_16
• Track 119 : Scamp_14, Baby16_14, BubbleTrouble_14, Huxley_14, Spino_14, Roosevelt_14, Eurydice_14, Kremtemulon_14, Albee_14, Taquarus_14, Kyee_14, Pipcraft_14, Maverick_14, Cocoaberry_14, NorthStar_14, Eagle_13, Commander_14, Buckaroo_13, BellusTerra_14, Mayonnaise_14, SenorClean_14, Chaph_14, Connomayer_14, JetBlade_14, TinaFeyge_14, Abdiel_14, Phacado_14, Funston_14, Shaka_14, Wizard007_14, Eapen_14, LittleGuy_14, Ohfah_14, LeoAvram_14, Florean_14, MeeZee_14, Rocksand_14, Alberto7_15, Romney_14, Polymorphads_14, Gadost_14, Sparxx_14, NotAPhaseMom_14, Dhanush_14, Morrow_14, Nebs_14, Medusa_14, HamSlice_13, Koan_14, Bartimeaus_14, KFPoly_14, Blackmoor_14, Bruiser_14, Arturo_13, Eros_14, Burger_13, Thanksgivukkah_14, Sultana_14, Clarenza_14, SteMason_14, Houdini22_14, Flux_14, YoSam321_14, Palestino_14, Junimo_13, TiroTheta9_14, Maxo_14, Northrop_14, KekoraPapaka_13, Skadoosh_14, Mazhar510_14, Citius_14,

Melvin_14, LochMonster_14, Ruin_14, TygerBlood_14, RockieBear_14, PeterPeter_14, Wilbur_14, Avle17_14, Phelipe_14, Sabertooth_14, Annyong_14, Koreni_13, LappelDuVide_14, Eris_14, JoongJeon_14, Broseidon_14, Druantia_14, Lorenzo_14, Kratark_14, Holli_14, Relief_14, CentreCat_14, Millski_14, Kampy_14, Nyxis_14, Nemo27_14, Kingmustik0402_14, Jaykayelowell_14, LittleB_14, Wander_14, DirtyDunning_14, Bombshell_14, TroyPia_14, Caelakin_14, Skipitt_14
• Track 120 : Noelle_14, Backyardigan_14, Badger_14, Xena_14, Datway_14, Wile_14
• Track 121 : Iracema64_14
• Track 122 : ChampagnePapi_14, LHTSCC_14, BangNhom_13, Obama12_14, Cerulean_14, Stink_14, AvatarAhPeg_14, Tinybot_13, SheldonCooper_14, Miramae_14, Rosa24_13, Happiness_14
• Track 123 : Ulysses_13
• Track 124 : Iceman_14, Camperdownii_13, Peaches_14, Deano_14, Phighter1804_14
• Track 125 : ICleared_14
• Track 126 : Shygu2_14, Cici_14
• Track 127 : Lunsford_15, Cintron_14, Lemur_14, Phontbonne_14
• Track 128 : Bumblebee11_14, PetiteSangsue_14, Perplexer_14, Katalie136_14, Morpher26_14
• Track 129 : Cindaradix_13
• Track 130 : OKaNui_14
• Track 131 : Pumbaa_14
• Track 132 : Stasia_15
• Track 133 : AbbysRanger_14
• Track 134 : Mundrea_14
• Track 135 : Achebe_14
• Track 136 : Chadwick_13, PetterN_13, Benedict_12, Jabiru_12, Scorpia_13, Airmid_12, ElTiger69_12
• Track 137 : Archetta_12, PickleBack_12, Lev2_12
• Track 138 : ForGetIt_12, Prinashe11_12, Jovo_12, Phlorence_12, Cuco_12, Tarynearal_11, Dublin_11, HuhtaEnerson15_12, Theia_11, Swirley_12, MarysWell_11, Coog_12, LittleCherry_12, Midas2_12, Bonamassa_12, AgentM_12, Micasa_12, Twigg_12, George_11, Tiger_12, Conspiracy_12
• Track 139 : SydNat_12, Bluefalcon_11, Ghoulboy_12, Zolita_11, Discoknowium_12, Aragog_12
• Track 140 : Milcery_12, Florence4_13, Florence1_12
• Track 141 : UnionJack_12
• Track 142 : Naca_12
• Track 143 : BlessJoy_18, Rifter_18, Koko_18, Gladiator_18, Blue7_18, Yokurt_18, Gruunaga_18, Hammer_18, WunderPhul_18, Wiks_18, Zulu_18, Lilbunny_18, ToneTone_17, Zaka_18
• Track 144 : Garak_19, Tucker_18, Roksolana_18, Helmet_18, Artemis2UCLA_18, Temprado_18, Indra_18, Hexamo_18
• Track 145 : DelvinSonDorr_17, SuperCallie99_18, Cookiedough_18, Isiphiwo_18, JewelBug_18, CloudWang3_18, Pmask_18, VohminGhazi_18, Jeffabunny_18, Jordennis_18, SmellyB_18, Neeharika16_18, Newrala_18, Dorothea_18, Chartreuse_18, Imbriano_18, DaVinci_18, Blinn1_18, BABullseye_18, Candra_18, Kipper29_18, Priamo_18, EricB_18, Kazan_18, Hoot_18, Polyphemus_18, BennyP_18, SuperAwesome_18, GreedyLawyer_18, McFly_18
• Track 146 : FlyCatcher_18, Sheen_16, Toro_17
• Track 147 : DroogsArmy_15
• Track 148 : HINdeR_14

• Track 149 : PP_24
• Track 150 : Timshel_15
• Track 151 : Dixon_12, Smeadley_12, Danforth_11, Caitlin_12, Expelliarmus_11, Groundhog_11, Roary_12, Astro_12
• Track 152 : NearlyHeadless_12, Phillis_12
• Track 153 : Saintus_12
• Track 154 : Stephig9_12
• Track 155 : Qobbit_16, Tubs_16, Phaeder_16, RyeScarlet_16, Darrell_17, Priya_16, ExplosioNervosa_16, Myxus_16, Aliter_16, Ugenie5_13, Phonnegut_16, Fayely_16, Maminiaina_16, Ayanochan_16, Pioneer_16, Scherzo_16, Lilleskat_16, Eidsmoe_16, BogosyJay_16, Hanray_16, EdogawaKiddo_16, Holex_16, EmyBug_16, Onglai_15, Conquerage_16, HortumSL17_16, Catalina_16, Jiawan_16, Spouty_16, Alma_16, Beemo_16, Sachima_16, Elephantoon_16, PackMan_16
• Track 156 : Arissanae_14
• Track 157 : DreamTeam1_15, Klodlith_15, SheaKeira_15, Charm_15
• Track 158 : CogOmlette_13, Rahalelujah_14, Bellris_14, Vanisoa_14, Minispark_13, WorldCup_13
• Track 159 : Celestialunch_14, MegTheThird_14
• Track 160 : LoneWolf_16
• Track 161 : Yecey3_15
• Track 162 : Keziacharles14_14
• Track 163 : Toaka_14
• Track 164 : ZamZam_9
• Track 165 : Hiro_11, Dinger_11, Rasputin_11, BobbyDazzler_11, Takoda_11, AngryOrchard_10, Bryce_11, AppleCloud_9, Yoncess_11, Bonanza_11, Partridge_11, Alpacados_10, Yogi_11, PhailMary_10
• Track 166 : Lillie_11, Belenaria_11, RER2_4, Shuman_11, Bradshaw_11, Gollum_11, Swann_11, UhSalsa_11, Erik_11, Nancinator_11, Phrankenstein_11, Natosaleda_11, TWAMP_11, Espica_11, CosmicSans_11, RexFury_11, Rhodalysa_11
• Track 167 : RGL3_4
• Track 168 : Harlequin_11, Jester_11
• Track 169 : Krishelle_11
• Track 170 : Alatin_11, Naiad_11, StCroix_11
• Track 171 : Hum25_5
• Track 172 : Tailonex_12

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

The start number called the most often in the published annotations is 32, it was called in 813 of the 897 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 40AC_18, A6_12, ACFishhook_16, AFIS_14, AN3_15, AN9_18, ANI8_18, AbbyPaige_17, AbbysRanger_14, Abbyshoes_15, Abdiel_14, Abrogate_150, Acme_16, Acolyte_15, Adahisdi_15, Adzzy_16, Aeneas_16, Agaliana_14, Agape74_17, AgentM_12, AgronaGT15_16, Airmid_12, Ajay_14, Albee_14, Alberto7_15, Aldrich_15, Aliter_16, Alma_16, Alsfro_18, Altman_15, Alvin_15, Anaysia_17, Aneem_15, Anglerfish_15, AnnaL29_18, Annyong_14, Anon_15, Anselm_15, Anthony_14, Applejack_14, Aragog_12, Arcanine_15, Archetta_12,

Arissanae_14, Arlo_13, Artemis2UCLA_18, Arturo_13, Ashballer_13, Atkinbua_15, AugsMagnumOpus_18, AvatarAhPeg_14, Avle17_14, Ayanochan_16, B1_12, BABullseye_18, BK1_12, BPBiebs31_15, Baby16_14, BabyBack_17, BabyJohn_13, BabyRay_14, Bachome_15, Backyardigan_14, BaconJack_16, Bactobuster_16, Badger_14, Baehexic_16, BangNhom_13, Barriga_14, BarrowTuph_13, Bartimeaus_14, Battleship_18, Beatrix_13, Beemo_16, BeesKnees_15, Bellris_14, BellusTerra_14, Benedict_12, BengiVuitton_16, BennyP_18, Benvolio_15, Bethlehem_14, Bexan_13, BiancaTri92_17, Big3_14, BigMau_16, BigPaolini_15, Bigchungi_14, Bigflo_16, Bigfoot_13, BillKnuckles_15, Bircsak_14, Blackflame_14, Blackmoor_14, BlessJoy_18, Blesser_14, Blinn1_18, BluSpix_14, Blue7_18, BlueBird_15, Blue_14, Bluefalcon_11, Bob3_13, BobSwaget_18, BogosyJay_16, Bombshell_14, Bonamassa_12, Bones_14, Boohoo_17, Bowtie_15, Bradman_14, Briton15_16, Broseidon_14, Bruiser_14, Bruns_13, BubbleTrouble_14, Buckaroo_13, Bud_15, Bugatti_15, Bugsy_17, Bumblebee11_14, Burger_13, Burton_15, Buttons_15, BuzzBuzz_15, Bxb1_13, Bxz2_16, C3_13, CRB1_15, CactusRose_13, Caelakin_14, Calvinny_16, Camperdownii_13, Candra_18, Caraxes_14, Carlyle_16, CartmannCramer_14, CatBus_15, Cat_12, Catalina_16, Caviar_15, Celestialunch_14, Centaur_17, CentreCat_14, Cerulean_14, Chadwick_13, ChampagnePapi_14, Chanagan_13, Changeling_18, Chaph_14, Chargerpower_15, Charm_15, Chartreuse_18, Che12_16, ChipMunk_17, Chiqui_13, ChristmasHams_14, Chupacabra_14, Ciao_14, Cici_14, Cindaradix_13, Cintron_14, Citius_14, Clammy_15, Clarenza_14, CloudWang3_18, ClownCar_16, Cocoaberry_14, CogOmlette_13, Colbster_16, Colin_18, Commander_14, ConceptII_14, Connomayer_14, Conquerage_16, Conspiracy_12, Coog_12, Cookiedough_18, Corvo_14, Crispicous1_13, Croquant_17, Crucio_15, Cuco_12, Cueylyss_14, D29_16, D32_18, DBQu4n_18, DD5_15, DaHudson_16, DaVinci_18, Daishi_15, Dalmatian_15, Darrell_17, DarthPhader_16, Datway_14, Deano_14, DeerParkTS_16, DekHockey33_17, Deloris_16, DelvinSonDorr_17, Dexes_15, Dhanush_14, Dieselweasel_16, Dignity_17, DirtDevil_15, DirtyDunning_14, Discoknowium_12, DontArgue_13, Doom_14, Dorothea_18, DrFeelGood_13, Drake55_17, Drake94_13, DreamCatcher_17, DreamTeam1_15, Dreamboat_15, DroogsArmy_15, DropBear_14, Druantia_14, Dublin_11, DudeLittle_15, Dulcie_13, Duplo_18, Dussy_15, DustyMartin_17, Dynamix_15, EZMoney23_19, EagleEye_17, Eagle_13, Eaglepride_15, Eapen_14, Ebony_15, Echild_15, Edison31_14, EdogawaKiddo_16, Edtherson_15, Eidsmoe_16, ElTiger69_12, Elephantoon_16, Elle_15, EmyBug_16, EnzoK_15, EpicPhail_16, Epsocamisio_17, Equemioh13_17, EricB_18, Eris_14, Eros_14, Espresso_14, Et2Brutus_14, EtoileNova_15, Euphoria_14, Eurydice_14, EvilGenius_17, ExplosioNervosa_16, Eyeball_14, Fajezeel_16, Fameo_15, Farber_16, Fascinus_13, FatCactus_13, Fayely_16, Fenn_15, Fernando_16, Fibonacci_15, FiringLine_15, Flare16_15, Flaverint_15, Florean_14, Florence1_12, Florence4_13, Flux_14, FlyCatcher_18, ForGetIt_12, ForesterFrank_17, Forsytheast_13, Francis47_14, Fred313_14, Froghopper_15, Funston_14, Fushigi_15, GMonster_13, Gachnar_14, Gadost_14, GageAP_16, Gail_14, Gandalf20_15, Garak_19, GaugeLDP_17, Gemma_16, George_11, Georgie2_16, Ghoulboy_12, Gilberta_15, GingkoMaracino_16, Giroux_15, Gladiator_18, Gompeii16_14, Goose1D_14, Goose1X_14, Goose_14, Graduation_16, Gratitude_17, GrecoEtereo_15, GreedyLawyer_18, Greg_16, Grif_16, GroundGoblin_15, Groupthink_17, Grub_16, Gruunaga_18, GtownJaz_16, Gwendoluna_16, Gwennie_16, Gyzlar_16, HINdeR_14, HamSlice_13, Hami1_16, Hammer_18, HanShotFirst_14, Hanray_16, Happiness_14, HarryHoudini_17, HarryOW_15, HashRod_17, HaveUMetTed_17, Heathen_14, Heffalump_17, HelDan_14, Heliosoles_16, Helmet_18, Herbertwm_13, Hermia_16, HermioneGrange_14, Hexamo_18, HippoHollow_16, Holex_16, Holli_14,

Homines_14, Hookmount_15, Hoot_18, Hope4ever_14, HortumSL17_16, Houdini22_14, HuhtaEnerson15_12, Hum25_5, Hutc2_15, Huxley_14, ICleared_14, ILeeKay_16, Iceman_14, Ichabod_15, Idleandcovert_14, IgnatiusPatJac_13, Imbriano_18, Indra_18, Insomnia_15, Inyanga_13, Iqorha_13, Iracema64_14, IronMan_17, Isiphiwo_18, Iwokeuplikedis_15, JC27_16, JF2_14, JF4_14, JHC117_16, JSwag_17, Jaan_18, Jabiru_12, Jabith_15, JackSparrow_15, Jasper_15, Jaykayelowell_14, Jeeves_14, Jeffabunny_18, JenCasNa_16, JeppNRM_17, Jerm2_15, Jerm_17, JetBlade_14, JewelBug_18, Jiawan_16, JoongJeon_14, Jordennis_18, Jorgensen_14, Joselito_15, JoshKayV_17, Journey13_13, Jovo_12, Jsquared_14, JuliaChild_16, Junimo_13, KADY_17, KBG_15, KFPoly_14, KSSJEB_14, Kachowdy_14, Kalb97_17, Kalnoky_17, Kalpine_18, Kampy_14, Kanely_15, Katalie136_14, KatherineG_17, Kazan_18, KekoraPapaka_13, Kenmech_17, Kerberos_18, Keziacharles14_14, KikiBouba_16, Killigrew_12, Kimba_15, KingCyrus_17, Kingmustik0402_14, Kinmap_14, Kipper29_18, KittenMittens_13, Klodlith_15, Koan_14, Koduck_16, Koko_18, Koreni_13, Kratark_14, Kremtemulon_14, Kristoff_15, Kugel_15, KyMonks1A_16, Kyee_14, Kykar_12, L5_16, LBerry_16, LHTSCC_14, Lambert1_15, Lamina13_14, Landor_16, LappelDuVide_14, Larenn_16, LarryKay_16, LastResort_17, Lemur_14, LeoAvram_14, Leogania_17, Lesedi_13, Lev2_12, Levia_14, Leviathan_17, Licorice_16, LilBib_15, LilTurb_17, Lilbunny_18, Lilith_16, Lilleskat_16, LionsBait_16, LittleB_14, LittleCherry_12, LittleGuy_14, LochMonster_14, Lockley_14, LogiBear_18, Lokk_18, LoneWolf_16, Looper_18, Lopton_15, Lorenzo_14, Loser_18, Lowa_16, Luchador_15, Lucivia_15, Lucyedi_16, LunarLander_14, Lunsford_15, MA5_14, MK4_14, MPlant7149_13, MaCh_15, Mabel_15, MadMarie_16, Magnar_14, Magnito_13, MajorMajor_14, Makemake_14, Malec_16, Maminiaina_16, Manatee_15, Manu_17, Marcell_14, Marchesa_14, Marchy_13, Marco3_14, Marge_15, Margo_15, Marius_17, Maroc7_13, Marsha_14, MaryBeth_14, MarysWell_11, Maverick_14, Maxo_14, Mayonnaise_14, Mazhar510_14, McFly_18, McGuire_15, McSinger_15, Medusa_14, MeeZee_14, MegTheThird_14, Melvin_14, MetalQZJ_14, Micasa_12, Michley_14, Microwolf_16, MiculUcigas_15, Midas2_12, Miko_18, Milcery_12, MilleFeuille_13, Millski_14, MinecraftSteve_18, Minispark_13, Miramae_14, MissWhite_15, Mkhuseli_15, Molly_15, Monet_16, Montavir_15, Moose_13, Morpher26_14, Morrow_14, MrGordo_14, Mryolo_13, MuchMore_18, Mulciber_15, Mule_14, Munch_15, Mundrea_14, Museum_16, MyraDee_12, Myxus_16, NEHalo_14, NaSiaTalie_15, Naira_15, Naji_18, Nebs_14, Nebulosus_17, Nedarya_16, Neeharika16_18, Nemo27_14, Nerujay_15, Newrala_18, Nhonho_14, NicoleTera_19, Niza_16, Noella_15, Noelle_14, Norbert_14, NorthStar_14, Northrop_14, Norz_16, NotAPhaseMom_14, NothingSpecial_17, Noxious_16, Nyxis_14, OKCentral2016_14, OKaNui_14, Obama12_14, Odin_14, Ohfah_14, Ohno789_14, OlanP_16, Ollie_16, Onglai_15, Oofda_17, Oogway_13, Orange_15, P28Green_16, PGHhamlin_18, PP_24, PSullivan_16, PacerPaul_14, PackMan_16, PainterBoy_16, Palestino_14, Panamaxus_15, Papez_16, Paphu_13, Paraselene_13, Pari_15, Parliament_13, PascalRango_13, PattyP_16, Pawn_16, Payneful_14, PeaceMeal1_13, Peaches_14, Pelly_15, Pembroke_16, Pepe_15, Perplexer_14, Perseus_15, PeterPeter_14, Petersenfast_15, Peterson_17, PetiteSangsue_14, Petp2012_16, Petruchio_14, PetterN_13, Ph8s_16, Phacado_14, Phaded_18, Phaeder_16, Phantastic_14, Pharaoh_15, Phelipe_14, PherrisBueller_15, Phighter1804_14, PhineBark_13, PhishRPhriends_15, Phlei_11, Phlippers_13, Phlorence_12, Phoebe_16, Phonnegut_16, Phontbonne_14, Phoxy_16, Phranny_17, PhrostyMug_14, PickleBack_12, PinkPlastic_13, Pinto_16, Pioneer_16, Pipcraft_14, Pippin_16, Piro94_16, Pistachio_15, Pita2_16, Pmask_18, Pocahontas_15, Polymorphads_14, Polyphemus_18, Poompha_13, Popcicle_15, PowerRanger_14, Power_15, Priamo_18, Prinashe11_12, Priya_16, ProMouse_15,

Prudy_18, Pukovnik_17, Pumbaa_14, Puppet_14, Puppy_15, PurpleHaze_16, QTRlifeCrisis_14, Qobbit_16, QueenB2_15, QueenBeesly_15, QuinnKiro_14, Quokka_13, Rachaly_18, Rahalelujah_14, Raid_14, Rajelicia_14, Ravana_17, ReMo_17, Reba_17, RedRock_18, Refuge_18, Relief_14, Remus_17, ResDef_15, Retro23_15, RhynO_15, Rhynn_14, RidgeCB_14, Rifter_18, Ringer_14, RockieBear_14, Rocksand_14, Rockstar_14, Rohr_15, Roimos_14, Roksolana_18, Romney_14, Roosevelt_14, Rosa24_13, Rosalind_17, Rowdy_17, Rubeus_15, Rufus_15, Ruin_14, Rummer_16, Ruotula_13, Rutherferd_16, RyeScarlet_16, STLscum_15, Sabertooth_14, Sabinator_16, Sachima_16, Sagefire_15, Salz_15, Sandaddy_13, Sanya_14, SarFire_14, Saskia_15, SaturnRing_14, Scamp_14, Scherzo_16, Scorpia_13, Scout_14, Scowl_15, Seabiscuit_16, Seanderson_15, SemperFi_17, SenorClean_14, Serenity_14, Shaka_14, Sham4_15, Shapes_17, ShayRa_18, SheaKeira_15, Sheen_16, SheldonCooper_14, Shep_14, ShortQueendom_14, Shygu2_14, Sibs6_16, Skadoosh_14, SkiPole_16, Skipitt_14, Sknot_15, Slagathor_15, Smairt_15, Smeagan_17, Smeagol_15, SmellyB_18, SnapTap_15, Snape_15, Snazzy_12, Snickers_16, SoYo_16, Solon_14, SororFago_14, Sorpresa_14, Soshari_18, Soups_17, Sparxx_14, Spike509_16, SpikeBT_16, Spino_14, Spouty_16, Squee_15, Stagni_16, Stasia_15, SteMason_14, Steamy_16, StepMih_16, StewieG_13, Stink_14, StrongArm_13, Strosahl_17, Sultana_14, Sumter_13, Sunhee_14, Sunshine924_13, SuperAwesome_18, SuperCallie99_18, Superchunk_14, SweetiePie_15, SwirlSquare_16, Swirley_12, SwissCheese_14, Switzer_15, Switzerland_17, Swole_16, SydNat_12, TNguyen7_14, Taquarus_14, Target_16, TarsusIV_15, Tarynearal_11, Tasp14_15, Taurus_16, Temprado_18, Teodoridan_12, Terrific_17, Texage_14, Thanksgivukkah_14, Theia_11, TheloniousMonk_16, Thor_14, Tiger_12, Timothy_15, Timshel_15, TinaFeyge_14, TinyPebbles_16, TinyTimmy_15, Tinybot_13, TipsytheTRex_14, TiroTheta9_14, Toaka_14, Todacoro_15, Tomathan_18, ToneTone_17, Topanga_14, Topgun_14, Toro_17, Tote_16, Traft412_16, Travvers_18, Treddle_16, Tripl3t_15, Tristan_16, Trixie_18, Trooper_15, Trouble_14, TroyPia_14, Tubs_16, Tucker_18, Turbido_17, Turj99_13, Twigg_12, Twister_14, TwoPeat_15, TygerBlood_14, U2_14, Ugenie5_13, Ulysses_13, UnionJack_12, Updawg_17, VA6_15, VC3_18, Vanisoa_14, Veracruz_14, Violet_13, VohminGhazi_18, Waits_17, WalterMcMickey_14, Wander_14, Warrior24_17, Watermelon_16, Watson_16, WeiHuaDA_20, Whabigail7_17, Wheeler_14, Whitspit_15, WideWale_17, Wiks_18, Wilbur_14, Wile_14, Wilkins_14, Wizard007_14, Wolpertinger_14, WorldCup_13, WunderPhul_18, Xena_14, XianYue_15, Yecey3_15, YoSam321_14, Yokurt_18, Zaka_18, Zarafa_14, Zeeculate_13, Zephyr_14, Zetzy_15, Zeuska_15, Zimmer_17, Zolita_11, Zulu_18,

Genes that have the "Most Annotated" start but do not call it:
• 20ES_15, Achebe_14, Aglet_16, Anubis_18, ArcherNM_17, Beauxregard13_16, BreSam8_16, Cullens_16, First_0015, Grum1_16, Hercules11_16, Isca_14, Jobu08_16, Kimona_11, LadyBird_15, Louie6_16, LugYA_18, Mainiac_16, Malinsilva_18, MarQuardt_16, Marie_16, Methuselah_16, Misomonster_18, MoneyMay_16, Naca_12, Penny1_16, Pomar16_18, PotatoSplit_17, Rebeuca_15, Sabia_16, Severus_13, SoilDragon_16, StarStuff_18, Tiffany_16, Trike_12, Vix_16, Wooldri_18,

Genes that do not have the "Most Annotated" start:
• Alatin_11, Alpacados_10, AngryOrchard_10, AppleCloud_9, Astro_12, Belenaria_11, BobbyDazzler_11, Bonanza_11, Bradshaw_11, Bryce_11, Caitlin_12, CosmicSans_11, Danforth_11, Dinger_11, Dixon_12, Erik_11, Espica_11, Expelliarmus_11, Gollum_11, Groundhog_11, Harlequin_11, Hiro_11, Jester_11,

Krishelle_11, Lillie_11, Naiad_11, Nancinator_11, Natosaleda_11, NearlyHeadless_12, Partridge_11, PhailMary_10, Phillis_12, Phrankenstein_11, RER2_4, RGL3_4, Rasputin_11, RexFury_11, Rhodalysa_11, Roary_12, Saintus_12, Shuman_11, Smeadley_12, StCroix_11, Stephig9_12, Swann_11, TWAMP_11, Tailonex_12, Takoda_11, UhSalsa_11, Yogi_11, Yoncess_11, ZamZam_9,

Summary by start number:

Start 20:
• Found in 1 of 959 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 897
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ZamZam_9 (BD3),

Start 24:
• Found in 68 of 959 (7.1%) of genes in pham
• Manual Annotations of this start: 3 of 897
• Called 4.4% of time when present
• Phage (with cluster) where this start called: ArcherNM_17 (A2), Pomar16_18 (A2), StarStuff_18 (A2),

Start 25:
• Found in 146 of 959 (15.2%) of genes in pham
• Manual Annotations of this start: 14 of 897
• Called 9.6% of time when present
• Phage (with cluster) where this start called: Achebe_14 (A4), BreSam8_16 (A3), Cullens_16 (A3), Grum1_16 (A3), Isca_14 (A3), Kimona_11 (A19), Mainiac_16 (A3), Malinsilva_18 (A3), MoneyMay_16 (A3), Naca_12 (A5), PotatoSplit_17 (A3), Sabia_16 (A3), SoilDragon_16 (A3), Wooldri_18 (A3),

Start 26:
• Found in 5 of 959 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 897
• Called 60.0% of time when present
• Phage (with cluster) where this start called: 20ES_15 (A2), First_0015 (A2), LadyBird_15 (A2),

Start 31:
• Found in 156 of 959 (16.3%) of genes in pham
• Manual Annotations of this start: 20 of 897
• Called 12.8% of time when present
• Phage (with cluster) where this start called: Aglet_16 (A3), Anubis_18 (A3), Beauxregard13_16 (A3), Hercules11_16 (A3), Jobu08_16 (A3), Louie6_16 (A3), LugYA_18 (A3), MarQuardt_16 (A3), Marie_16 (A3), Methuselah_16 (A3), Misomonster_18 (A3), NearlyHeadless_12 (A8), Penny1_16 (A3), Phillis_12 (A8), Rebeuca_15 (A10), Severus_13 (A10), Stephig9_12 (A8), Tiffany_16 (A3), Trike_12 (A10), Vix_16 (A3),

Start 32:
• Found in 907 of 959 (94.6%) of genes in pham
• Manual Annotations of this start: 813 of 897
• Called 95.9% of time when present

• Phage (with cluster) where this start called: 40AC_18 (A17), A6_12 (A1), ACFishhook_16 (A3), AFIS_14 (A1), AN3_15 (A2), AN9_18 (A2), ANI8_18 (A2), AbbyPaige_17 (A2), AbbysRanger_14 (A4), Abbyshoes_15 (A1), Abdiel_14 (A4), Abrogate_150 (A1), Acme_16 (A1), Acolyte_15 (A2), Adahisdi_15 (A1), Adzzy_16 (A2), Aeneas_16 (A1), Agaliana_14 (A1), Agape74_17 (A2), AgentM_12 (A5), AgronaGT15_16 (A3), Airmid_12 (A5), Ajay_14 (A1), Albee_14 (A4), Alberto7_15 (A4), Aldrich_15 (A1), Aliter_16 (A9), Alma_16 (A9), Alsfro_18 (A1), Altman_15 (A1), Alvin_15 (A1), Anaysia_17 (A15), Aneem_15 (A11), Anglerfish_15 (A1), AnnaL29_18 (A2), Annyong_14 (A4), Anon_15 (A15), Anselm_15 (A2), Anthony_14 (A20), Applejack_14 (A1), Aragog_12 (A5), Arcanine_15 (A1), Archetta_12 (A5), Arissanae_14 (A9), Arlo_13 (A1), Artemis2UCLA_18 (A6), Arturo_13 (A4), Ashballer_13 (A1), Atkinbua_15 (A1), AugsMagnumOpus_18 (A3), AvatarAhPeg_14 (A4), Avle17_14 (A4), Ayanochan_16 (A9), B1_12 (A3), BABullseye_18 (A6), BK1_12 (A1), BPBiebs31_15 (A1), Baby16_14 (A4), BabyBack_17 (A2), BabyJohn_13 (A3), BabyRay_14 (A3), Bachome_15 (A11), Backyardigan_14 (A4), BaconJack_16 (A1), Bactobuster_16 (A2), Badger_14 (A4), Baehexic_16 (A2), BangNhom_13 (A4), Barriga_14 (A1), BarrowTuph_13 (A1), Bartimeaus_14 (A4), Battleship_18 (A15), Beatrix_13 (A1), Beemo_16 (A9), BeesKnees_15 (A1), Bellris_14 (A9), BellusTerra_14 (A4), Benedict_12 (A5), BengiVuitton_16 (A2), BennyP_18 (A6), Benvolio_15 (A2), Bethlehem_14 (A1), Bexan_13 (A1), BiancaTri92_17 (A2), Big3_14 (A1), BigMau_16 (A1), BigPaolini_15 (A1), Bigchungi_14 (A1), Bigflo_16 (A3), Bigfoot_13 (A1), BillKnuckles_15 (A1), Bircsak_14 (A1), Blackflame_14 (A1), Blackmoor_14 (A4), BlessJoy_18 (A6), Blesser_14 (A1), Blinn1_18 (A6), BluSpix_14 (A1), Blue7_18 (A6), BlueBird_15 (A3), Blue_14 (A1), Bluefalcon_11 (A5), Bob3_13 (A1), BobSwaget_18 (A2), BogosyJay_16 (A9), Bombshell_14 (A4), Bonamassa_12 (A5), Bones_14 (A1), Boohoo_17 (A15), Bowtie_15 (A11), Bradman_14 (A2), Briton15_16 (A1), Broseidon_14 (A4), Bruiser_14 (A4), Bruns_13 (A1), BubbleTrouble_14 (A4), Buckaroo_13 (A4), Bud_15 (A11), Bugatti_15 (A3), Bugsy_17 (A2), Bumblebee11_14 (A4), Burger_13 (A4), Burton_15 (A1), Buttons_15 (A1), BuzzBuzz_15 (A3), Bxb1_13 (A1), Bxz2_16 (A3), C3_13 (A2), CRB1_15 (A2), CactusRose_13 (A1), Caelakin_14 (A4), Calvinny_16 (A3), Camperdownii_13 (A4), Candra_18 (A6), Caraxes_14 (A2), Carlyle_16 (A1), CartmannCramer_14 (A1), CatBus_15 (A1), Cat_12 (A3), Catalina_16 (A9), Caviar_15 (A3), Celestialunch_14 (A9), Centaur_17 (A2), CentreCat_14 (A4), Cerulean_14 (A4), Chadwick_13 (A5), ChampagnePapi_14 (A4), Chanagan_13 (A1), Changeling_18 (A2), Chaph_14 (A4), Chargerpower_15 (A22), Charm_15 (A9), Chartreuse_18 (A6), Che12_16 (A2), ChipMunk_17 (A2), Chiqui_13 (A3), ChristmasHams_14 (A1), Chupacabra_14 (A10), Ciao_14 (A1), Cici_14 (A4), Cindaradix_13 (A4), Cintron_14 (A4), Citius_14 (A4), Clammy_15 (A3), Clarenza_14 (A4), CloudWang3_18 (A6), ClownCar_16 (A3), Cocoaberry_14 (A4), CogOmlette_13 (A9), Colbster_16 (A3), Colin_18 (A2), Commander_14 (A4), ConceptII_14 (A1), Connomayer_14 (A4), Conquerage_16 (A9), Conspiracy_12 (A5), Coog_12 (A5), Cookiedough_18 (A6), Corvo_14 (A1), Crispicous1_13 (A1), Croquant_17 (A3), Crucio_15 (A2), Cuco_12 (A5), Cueylyss_14 (A1), D29_16 (A2), D32_18 (A2), DBQu4n_18 (A2), DD5_15 (A1), DaHudson_16 (A3), DaVinci_18 (A6), Daishi_15 (A3), Dalmatian_15 (A2), Darrell_17 (A9), DarthPhader_16 (A12), Datway_14 (A4), Deano_14 (A4), DeerParkTS_16 (A2), DekHockey33_17 (A15), Deloris_16 (A2), DelvinSonDorr_17 (A6), Dexes_15 (A1), Dhanush_14 (A4), Dieselweasel_16 (A3), Dignity_17 (A2), DirtDevil_15 (A1), DirtyDunning_14 (A4), Discoknowium_12 (A5), DontArgue_13 (A10), Doom_14 (A1), Dorothea_18 (A6), DrFeelGood_13 (A1), Drake55_17 (A2), Drake94_13 (A10), DreamCatcher_17 (A1), DreamTeam1_15 (A9), Dreamboat_15 (A1), DroogsArmy_15 (A7), DropBear_14 (A3), Druantia_14 (A4), Dublin_11 (A5), DudeLittle_15 (A2), Dulcie_13 (A1), Duplo_18 (A2), Dussy_15 (A1), DustyMartin_17 (A10), Dynamix_15

(A1), EZMoney23_19 (A2), EagleEye_17 (A16), Eagle_13 (A4), Eaglepride_15 (A10), Eapen_14 (A4), Ebony_15 (A11), Echild_15 (A2), Edison31_14 (A10), EdogawaKiddo_16 (A9), Edtherson_15 (A1), Eidsmoe_16 (A9), ElTiger69_12 (A5), Elephantoon_16 (A9), Elle_15 (A15), EmyBug_16 (A9), EnzoK_15 (A1), EpicPhail_16 (A3), Epsocamisio_17 (A15), Equemioh13_17 (A2), EricB_18 (A6), Eris_14 (A4), Eros_14 (A4), Espresso_14 (A1), Et2Brutus_14 (A11), EtoileNova_15 (A3), Euphoria_14 (A1), Eurydice_14 (A4), EvilGenius_17 (A2), ExplosioNervosa_16 (A9), Eyeball_14 (A1), Fajezeel_16 (A1), Fameo_15 (A2), Farber_16 (A3), Fascinus_13 (A1), FatCactus_13 (A20), Fayely_16 (A9), Fenn_15 (A1), Fernando_16 (A3), Fibonacci_15 (A11), FiringLine_15 (A2), Flare16_15 (A2), Flaverint_15 (A11), Florean_14 (A4), Florence1_12 (A5), Florence4_13 (A5), Flux_14 (A4), FlyCatcher_18 (A7), ForGetIt_12 (A5), ForesterFrank_17 (A2), Forsytheast_13 (A1), Francis47_14 (A1), Fred313_14 (A3), Froghopper_15 (A1), Funston_14 (A4), Fushigi_15 (A1), GMonster_13 (A1), Gachnar_14 (A1), Gadost_14 (A4), GageAP_16 (A1), Gail_14 (A14), Gandalf20_15 (A1), Garak_19 (A6), GaugeLDP_17 (A2), Gemma_16 (A3), George_11 (A5), Georgie2_16 (A2), Ghoulboy_12 (A5), Gilberta_15 (A11), GingkoMaracino_16 (A3), Giroux_15 (A3), Gladiator_18 (A6), Gompeii16_14 (A1), Goose1D_14 (A3), Goose1X_14 (A3), Goose_14 (A10), Graduation_16 (A1), Gratitude_17 (A2), GrecoEtereo_15 (A1), GreedyLawyer_18 (A6), Greg_16 (A1), Grif_16 (A3), GroundGoblin_15 (A1), Groupthink_17 (A3), Grub_16 (A3), Gruunaga_18 (A6), GtownJaz_16 (A3), Gwendoluna_16 (A1), Gwennie_16 (A3), Gyzlar_16 (A1), HINdeR_14 (A7), HamSlice_13 (A4), Hami1_16 (A1), Hammer_18 (A6), HanShotFirst_14 (A1), Hanray_16 (A9), Happiness_14 (A4), HarryHoudini_17 (A2), HarryOW_15 (A1), HashRod_17 (A3), HaveUMetTed_17 (A3), Heathen_14 (A3), Heffalump_17 (A2), HelDan_14 (A3), Heliosoles_16 (A3), Helmet_18 (A6), Herbertwm_13 (A2), Hermia_16 (A1), HermioneGrange_14 (A1), Hexamo_18 (A6), HippoHollow_16 (A2), Holex_16 (A9), Holli_14 (A4), Homines_14 (A1), Hookmount_15 (A3), Hoot_18 (A6), Hope4ever_14 (A1), HortumSL17_16 (A9), Houdini22_14 (A4), HuhtaEnerson15_12 (A5), Hum25_5 (FQ1), Hutc2_15 (A11), Huxley_14 (A4), ICleared_14 (A4), ILeeKay_16 (A1), Iceman_14 (A4), Ichabod_15 (A1), Idleandcovert_14 (A3), IgnatiusPatJac_13 (A1), Imbriano_18 (A6), Indra_18 (A6), Insomnia_15 (A11), Inyanga_13 (A1), Iqorha_13 (A1), Iracema64_14 (A4), IronMan_17 (A2), Isiphiwo_18 (A6), Iwokeuplikedis_15 (A2), JC27_16 (A1), JF2_14 (A3), JF4_14 (A3), JHC117_16 (A3), JSwag_17 (A15), Jaan_18 (A2), Jabiru_12 (A5), Jabith_15 (A11), JackSparrow_15 (A1), Jasper_15 (A1), Jaykayelowell_14 (A4), Jeeves_14 (A14), Jeffabunny_18 (A6), JenCasNa_16 (A3), JeppNRM_17 (A3), Jerm2_15 (A1), Jerm_17 (A2), JetBlade_14 (A4), JewelBug_18 (A6), Jiawan_16 (A9), JoongJeon_14 (A4), Jordennis_18 (A6), Jorgensen_14 (A1), Joselito_15 (A11), JoshKayV_17 (A2), Journey13_13 (A2), Jovo_12 (A5), Jsquared_14 (A2), JuliaChild_16 (A1), Junimo_13 (A4), KADY_17 (A3), KBG_15 (A1), KFPoly_14 (A4), KSSJEB_14 (A1), Kachowdy_14 (A3), Kalb97_17 (A3), Kalnoky_17 (A3), Kalpine_18 (A2), Kampy_14 (A4), Kanely_15 (A1), Katalie136_14 (A4), KatherineG_17 (A15), Kazan_18 (A6), KekoraPapaka_13 (A4), Kenmech_17 (A1), Kerberos_18 (A2), Keziacharles14_14 (A9), KikiBouba_16 (A1), Killigrew_12 (A1), Kimba_15 (A11), KingCyrus_17 (A2), Kingmustik0402_14 (A4), Kinmap_14 (A21), Kipper29_18 (A6), KittenMittens_13 (A10), Klodlith_15 (A9), Koan_14 (A4), Koduck_16 (A2), Koko_18 (A6), Koreni_13 (A4), Kratark_14 (A4), Kremtemulon_14 (A4), Kristoff_15 (A10), Kugel_15 (A1), KyMonks1A_16 (A1), Kyee_14 (A4), Kykar_12 (A1), L5_16 (A2), LBerry_16 (A3), LHTSCC_14 (A4), Lambert1_15 (A3), Lamina13_14 (A1), Landor_16 (A2), LappelDuVide_14 (A4), Larenn_16 (A2), LarryKay_16 (A3), LastResort_17 (A15), Lemur_14 (A4), LeoAvram_14 (A4), Leogania_17 (A2), Lesedi_13 (A1), Lev2_12 (A5), Levia_14 (A1), Leviathan_17 (A2), Licorice_16 (A1), LilBib_15 (A1), LilTurb_17 (A2), Lilbunny_18 (A6), Lilith_16 (A3), Lilleskat_16 (A9), LionsBait_16

(A2), LittleB_14 (A4), LittleCherry_12 (A5), LittleGuy_14 (A4), LochMonster_14 (A4), Lockley_14 (A1), LogiBear_18 (A15), Lokk_18 (A2), LoneWolf_16 (A9), Looper_18 (A15), Lopton_15 (A1), Lorenzo_14 (A4), Loser_18 (A2), Lowa_16 (A3), Luchador_15 (A14), Lucivia_15 (A11), Lucyedi_16 (A16), LunarLander_14 (A1), Lunsford_15 (A4), MA5_14 (A3), MK4_14 (A3), MPlant7149_13 (A1), MaCh_15 (A11), Mabel_15 (A11), MadMarie_16 (A3), Magnar_14 (A1), Magnito_13 (A1), MajorMajor_14 (A2), Makemake_14 (A1), Malec_16 (A2), Maminiaina_16 (A9), Manatee_15 (A1), Manu_17 (A3), Marcell_14 (A1), Marchesa_14 (A3), Marchy_13 (A1), Marco3_14 (A1), Marge_15 (A1), Margo_15 (A3), Marius_17 (A3), Maroc7_13 (A1), Marsha_14 (A1), MaryBeth_14 (A1), MarysWell_11 (A5), Maverick_14 (A4), Maxo_14 (A4), Mayonnaise_14 (A4), Mazhar510_14 (A4), McFly_18 (A6), McGuire_15 (A1), McSinger_15 (A1), Medusa_14 (A4), MeeZee_14 (A4), MegTheThird_14 (A9), Melvin_14 (A4), MetalQZJ_14 (A1), Micasa_12 (A5), Michley_14 (A1), Microwolf_16 (A3), MiculUcigas_15 (A2), Midas2_12 (A5), Miko_18 (A2), Milcery_12 (A5), MilleFeuille_13 (A1), Millski_14 (A4), MinecraftSteve_18 (A15), Minispark_13 (A9), Miramae_14 (A4), MissWhite_15 (A2), Mkhuseli_15 (A1), Molly_15 (A1), Monet_16 (A1), Montavir_15 (A3), Moose_13 (A1), Morpher26_14 (A4), Morrow_14 (A4), MrGordo_14 (A1), Mryolo_13 (A1), MuchMore_18 (A3), Mulciber_15 (A11), Mule_14 (A1), Munch_15 (A11), Mundrea_14 (A4), Museum_16 (A1), MyraDee_12 (A18), Myxus_16 (A9), NEHalo_14 (A1), NaSiaTalie_15 (A2), Naira_15 (A1), Naji_18 (A2), Nebs_14 (A4), Nebulosus_17 (A15), Nedarya_16 (A15), Neeharika16_18 (A6), Nemo27_14 (A4), Nerujay_15 (A1), Newrala_18 (A6), Nhonho_14 (A1), NicoleTera_19 (A2), Niza_16 (A1), Noella_15 (A3), Noelle_14 (A4), Norbert_14 (A3), NorthStar_14 (A4), Northrop_14 (A4), Norz_16 (A1), NotAPhaseMom_14 (A4), NothingSpecial_17 (A2), Noxious_16 (A1), Nyxis_14 (A4), OKCentral2016_14 (A10), OKaNui_14 (A4), Obama12_14 (A4), Odin_14 (A2), Ohfah_14 (A4), Ohno789_14 (A1), OlanP_16 (A3), Ollie_16 (A3), Onglai_15 (A9), Oofda_17 (A15), Oogway_13 (A1), Orange_15 (A11), P28Green_16 (A3), PGHhamlin_18 (A3), PP_24 (A7), PSullivan_16 (A1), PacerPaul_14 (A1), PackMan_16 (A9), PainterBoy_16 (A16), Palestino_14 (A4), Panamaxus_15 (A3), Papez_16 (A1), Paphu_13 (A1), Paraselene_13 (A1), Pari_15 (A1), Parliament_13 (A1), PascalRango_13 (A1), PattyP_16 (A1), Pawn_16 (A3), Payneful_14 (A1), PeaceMeal1_13 (A10), Peaches_14 (A4), Pelly_15 (A1), Pembroke_16 (A3), Pepe_15 (A1), Perplexer_14 (A4), Perseus_15 (A1), PeterPeter_14 (A4), Petersenfast_15 (A11), Peterson_17 (A1), PetiteSangsue_14 (A4), Petp2012_16 (A1), Petruchio_14 (A1), PetterN_13 (A5), Ph8s_16 (A2), Phacado_14 (A4), Phaded_18 (A2), Phaeder_16 (A9), Phantastic_14 (A3), Pharaoh_15 (A12), Phelipe_14 (A4), PherrisBueller_15 (A1), Phighter1804_14 (A4), PhineBark_13 (A1), PhishRPhriends_15 (A3), Phlei_11 (A13), Phlippers_13 (A1), Phlorence_12 (A5), Phoebe_16 (A3), Phonnegut_16 (A9), Phontbonne_14 (A4), Phoxy_16 (A3), Phranny_17 (A3), PhrostyMug_14 (A1), PickleBack_12 (A5), PinkPlastic_13 (A1), Pinto_16 (A1), Pioneer_16 (A9), Pipcraft_14 (A4), Pippin_16 (A1), Piro94_16 (A2), Pistachio_15 (A3), Pita2_16 (A1), Pmask_18 (A6), Pocahontas_15 (A3), Polymorphads_14 (A4), Polyphemus_18 (A6), Poompha_13 (A10), Popcicle_15 (A3), PowerRanger_14 (A1), Power_15 (A2), Priamo_18 (A6), Prinashe11_12 (A5), Priya_16 (A9), ProMouse_15 (A1), Prudy_18 (A2), Pukovnik_17 (A2), Pumbaa_14 (A4), Puppet_14 (A1), Puppy_15 (A3), PurpleHaze_16 (A3), QTRlifeCrisis_14 (A1), Qobbit_16 (A9), QueenB2_15 (A2), QueenBeesly_15 (A2), QuinnKiro_14 (A3), Quokka_13 (A2), Rachaly_18 (A2), Rahalelujah_14 (A9), Raid_14 (A1), Rajelicia_14 (A1), Ravana_17 (A15), ReMo_17 (A15), Reba_17 (A3), RedRock_18 (A2), Refuge_18 (A12), Relief_14 (A4), Remus_17 (A15), ResDef_15 (A3), Retro23_15 (A2), RhynO_15 (A10), Rhynn_14 (A1), RidgeCB_14 (A1), Rifter_18 (A6), Ringer_14 (A1), RockieBear_14 (A4), Rocksand_14 (A4), Rockstar_14 (A3), Rohr_15 (A1), Roimos_14 (A3), Roksolana_18

(A6), Romney_14 (A4), Roosevelt_14 (A4), Rosa24_13 (A4), Rosalind_17 (A15), Rowdy_17 (A10), Rubeus_15 (A1), Rufus_15 (A1), Ruin_14 (A4), Rummer_16 (A3), Ruotula_13 (A1), Rutherferd_16 (A1), RyeScarlet_16 (A9), STLscum_15 (A1), Sabertooth_14 (A4), Sabinator_16 (A3), Sachima_16 (A9), Sagefire_15 (A1), Salz_15 (A11), Sandaddy_13 (A1), Sanya_14 (A1), SarFire_14 (A1), Saskia_15 (A11), SaturnRing_14 (A3), Scamp_14 (A4), Scherzo_16 (A9), Scorpia_13 (A5), Scout_14 (A3), Scowl_15 (A1), Seabiscuit_16 (A1), Seanderson_15 (A1), SemperFi_17 (A2), SenorClean_14 (A4), Serenity_14 (A2), Shaka_14 (A4), Sham4_15 (A11), Shapes_17 (A10), ShayRa_18 (A15), SheaKeira_15 (A9), Sheen_16 (A7), SheldonCooper_14 (A4), Shep_14 (A3), ShortQueendom_14 (A1), Shygu2_14 (A4), Sibs6_16 (A1), Skadoosh_14 (A4), SkiPole_16 (A1), Skipitt_14 (A4), Sknot_15 (A2), Slagathor_15 (A1), Smairt_15 (A1), Smeagan_17 (A2), Smeagol_15 (A1), SmellyB_18 (A6), SnapTap_15 (A2), Snape_15 (A11), Snazzy_12 (A1), Snickers_16 (A3), SoYo_16 (A3), Solon_14 (A1), SororFago_14 (A14), Sorpresa_14 (A1), Soshari_18 (A3), Soups_17 (A15), Sparxx_14 (A4), Spike509_16 (A3), SpikeBT_16 (A1), Spino_14 (A4), Spouty_16 (A9), Squee_15 (A1), Stagni_16 (A3), Stasia_15 (A4), SteMason_14 (A4), Steamy_16 (A12), StepMih_16 (A3), StewieG_13 (A1), Stink_14 (A4), StrongArm_13 (A1), Strosahl_17 (A15), Sultana_14 (A4), Sumter_13 (A1), Sunhee_14 (A14), Sunshine924_13 (A1), SuperAwesome_18 (A6), SuperCallie99_18 (A6), Superchunk_14 (A2), SweetiePie_15 (A2), SwirlSquare_16 (A2), Swirley_12 (A5), SwissCheese_14 (A1), Switzer_15 (A1), Switzerland_17 (A15), Swole_16 (A1), SydNat_12 (A5), TNguyen7_14 (A3), Taquarus_14 (A4), Target_16 (A1), TarsusIV_15 (A2), Tarynearal_11 (A5), Tasp14_15 (A1), Taurus_16 (A3), Temprado_18 (A6), Teodoridan_12 (A1), Terrific_17 (A2), Texage_14 (A3), Thanksgivukkah_14 (A4), Theia_11 (A5), TheloniousMonk_16 (A1), Thor_14 (A1), Tiger_12 (A5), Timothy_15 (A11), Timshel_15 (A7), TinaFeyge_14 (A4), TinyPebbles_16 (A3), TinyTimmy_15 (A11), Tinybot_13 (A4), TipsytheTRex_14 (A2), TiroTheta9_14 (A4), Toaka_14 (A9), Todacoro_15 (A3), Tomathan_18 (A2), ToneTone_17 (A6), Topanga_14 (A10), Topgun_14 (A1), Toro_17 (A7), Tote_16 (A1), Traft412_16 (A1), Travvers_18 (A2), Treddle_16 (A1), Tripl3t_15 (A1), Tristan_16 (A2), Trixie_18 (A2), Trooper_15 (A2), Trouble_14 (A1), TroyPia_14 (A4), Tubs_16 (A9), Tucker_18 (A6), Turbido_17 (A2), Turj99_13 (A1), Twigg_12 (A5), Twister_14 (A10), TwoPeat_15 (A1), TygerBlood_14 (A4), U2_14 (A1), Ugenie5_13 (A9), Ulysses_13 (A4), UnionJack_12 (A5), Updawg_17 (A2), VA6_15 (A2), VC3_18 (A2), Vanisoa_14 (A9), Veracruz_14 (A3), Violet_13 (A1), VohminGhazi_18 (A6), Waits_17 (A15), WalterMcMickey_14 (A10), Wander_14 (A4), Warrior24_17 (A15), Watermelon_16 (A1), Watson_16 (A3), WeiHuaDA_20 (A2), Whabigail7_17 (A2), Wheeler_14 (A1), Whitspit_15 (A1), WideWale_17 (A2), Wiks_18 (A6), Wilbur_14 (A4), Wile_14 (A4), Wilkins_14 (A1), Wizard007_14 (A4), Wolpertinger_14 (A11), WorldCup_13 (A9), WunderPhul_18 (A6), Xena_14 (A4), XianYue_15 (A2), Yecey3_15 (A9), YoSam321_14 (A4), Yokurt_18 (A6), Zaka_18 (A6), Zarafa_14 (A3), Zeeculate_13 (A1), Zephyr_14 (A1), Zetzy_15 (A3), Zeuska_15 (A1), Zimmer_17 (A12), Zolita_11 (A5), Zulu_18 (A6),

Start 33:
• Found in 9 of 959 (0.9%) of genes in pham
• Manual Annotations of this start: 9 of 897
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_12 (A8), Caitlin_12 (A8), Danforth_11 (A8), Dixon_12 (A8), Expelliarmus_11 (A8), Groundhog_11 (A8), Roary_12 (A8), Saintus_12 (A8), Smeadley_12 (A8),

Start 38:

• Found in 1 of 959 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tailonex_12 (singleton),

Start 39:
• Found in 38 of 959 (4.0%) of genes in pham
• Manual Annotations of this start: 36 of 897
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatin_11 (CA), Alpacados_10 (CA), AngryOrchard_10 (CA), AppleCloud_9 (CA), Belenaria_11 (CA), BobbyDazzler_11 (CA), Bonanza_11 (CA), Bradshaw_11 (CA), Bryce_11 (CA), CosmicSans_11 (CA), Dinger_11 (CA), Erik_11 (CA), Espica_11 (CA), Gollum_11 (CA), Harlequin_11 (CA), Hiro_11 (CA), Jester_11 (CA), Krishelle_11 (CA), Lillie_11 (CA), Naiad_11 (CA), Nancinator_11 (CA), Natosaleda_11 (CA), Partridge_11 (CA), PhailMary_10 (CA), Phrankenstein_11 (CA), RER2_4 (CA), RGL3_4 (CA), Rasputin_11 (CA), RexFury_11 (CA), Rhodalysa_11 (CA), Shuman_11 (CA), StCroix_11 (CA), Swann_11 (CA), TWAMP_11 (CA), Takoda_11 (CA), UhSalsa_11 (CA), Yogi_11 (CA), Yoncess_11 (CA),

Summary by clusters:

There are 26 clusters represented in this pham: singleton, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, BD3, CA, A20, A21, A22, FQ1,

Info for manual annotations of cluster A1:
•Start number 32 was manually annotated 231 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 31 was manually annotated 3 times for cluster A10.
•Start number 32 was manually annotated 14 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 32 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 32 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 32 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 32 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 32 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 32 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 25 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 24 was manually annotated 3 times for cluster A2.
•Start number 26 was manually annotated 1 time for cluster A2.
•Start number 32 was manually annotated 113 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 32 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 32 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 32 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 25 was manually annotated 11 times for cluster A3.
•Start number 31 was manually annotated 14 times for cluster A3.
•Start number 32 was manually annotated 100 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 25 was manually annotated 1 time for cluster A4.
•Start number 32 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 25 was manually annotated 1 time for cluster A5.
•Start number 32 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 32 was manually annotated 50 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 32 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 31 was manually annotated 3 times for cluster A8.
•Start number 33 was manually annotated 9 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 32 was manually annotated 46 times for cluster A9.

Info for manual annotations of cluster BD3:
•Start number 20 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster CA:
•Start number 39 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster FQ1:
•Start number 32 was manually annotated 1 time for cluster FQ1.

Gene Information:

Gene: 20ES_15 Start: 11599, Stop: 12150, Start Num: 26
Candidate Starts for 20ES_15:
(Start: 26 @11599 has 1 MA's), (Start: 31 @11614 has 20 MA's), (Start: 32 @11635 has 813 MA's), (43, 11713), (73, 11926), (78, 11953), (95, 12091),

Gene: 40AC_18 Start: 13636, Stop: 14160, Start Num: 32
Candidate Starts for 40AC_18:
(Start: 24 @13600 has 3 MA's), (27, 13615), (Start: 32 @13636 has 813 MA's), (40, 13702), (48, 13774), (63, 13879), (73, 13933),

Gene: A6_12 Start: 10644, Stop: 11156, Start Num: 32
Candidate Starts for A6_12:
(Start: 32 @10644 has 813 MA's), (51, 10809), (69, 10917), (91, 11055), (98, 11115), (103, 11133),

Gene: ACFishhook_16 Start: 11156, Stop: 11659, Start Num: 32
Candidate Starts for ACFishhook_16:
(Start: 25 @11120 has 14 MA's), (Start: 31 @11135 has 20 MA's), (Start: 32 @11156 has 813 MA's), (54, 11333), (75, 11465), (78, 11477),

Gene: AFIS_14 Start: 10982, Stop: 11494, Start Num: 32
Candidate Starts for AFIS_14:
(14, 10796), (Start: 32 @10982 has 813 MA's), (69, 11255), (91, 11393), (98, 11453), (103, 11471),

Gene: AN3_15 Start: 11619, Stop: 12140, Start Num: 32
Candidate Starts for AN3_15:
(Start: 24 @11583 has 3 MA's), (Start: 31 @11598 has 20 MA's), (Start: 32 @11619 has 813 MA's), (73, 11916), (78, 11943), (95, 12081),

Gene: AN9_18 Start: 11582, Stop: 12103, Start Num: 32
Candidate Starts for AN9_18:
(21, 11534), (Start: 32 @11582 has 813 MA's), (48, 11726), (49, 11741), (63, 11831), (73, 11885), (75, 11900), (95, 12044), (102, 12077),

Gene: ANI8_18 Start: 11582, Stop: 12103, Start Num: 32
Candidate Starts for ANI8_18:
(21, 11534), (Start: 32 @11582 has 813 MA's), (48, 11726), (63, 11831), (73, 11885), (75, 11900), (95, 12044), (102, 12077),

Gene: AbbyPaige_17 Start: 12068, Stop: 12595, Start Num: 32
Candidate Starts for AbbyPaige_17:
(Start: 32 @12068 has 813 MA's), (73, 12368), (75, 12383), (95, 12536), (102, 12569),

Gene: AbbysRanger_14 Start: 10955, Stop: 11479, Start Num: 32
Candidate Starts for AbbysRanger_14:
(Start: 25 @10922 has 14 MA's), (Start: 32 @10955 has 813 MA's), (41, 11039), (61, 11189), (89, 11366), (95, 11423),

Gene: Abbyshoes_15 Start: 11070, Stop: 11582, Start Num: 32
Candidate Starts for Abbyshoes_15:
(Start: 32 @11070 has 813 MA's), (51, 11235), (69, 11343), (91, 11481), (98, 11541), (103, 11559),

Gene: Abdiel_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Abdiel_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Abrogate_150 Start: 11727, Stop: 12239, Start Num: 32
Candidate Starts for Abrogate_150:
(Start: 32 @11727 has 813 MA's), (51, 11892), (69, 12000), (91, 12138), (98, 12198), (103, 12216),

Gene: Achebe_14 Start: 10910, Stop: 11458, Start Num: 25
Candidate Starts for Achebe_14:
(4, 10652), (8, 10703), (11, 10739), (12, 10742), (Start: 25 @10910 has 14 MA's), (Start: 32 @10943 has 813 MA's), (89, 11345),

Gene: Acme_16 Start: 11418, Stop: 11930, Start Num: 32
Candidate Starts for Acme_16:
(13, 11217), (14, 11232), (Start: 32 @11418 has 813 MA's), (51, 11583), (69, 11691), (91, 11829), (98, 11889), (103, 11907),

Gene: Acolyte_15 Start: 11767, Stop: 12288, Start Num: 32
Candidate Starts for Acolyte_15:
(Start: 24 @11731 has 3 MA's), (Start: 31 @11746 has 20 MA's), (Start: 32 @11767 has 813 MA's), (36, 11818), (73, 12067), (78, 12094), (80, 12103), (102, 12262),

Gene: Adahisdi_15 Start: 11309, Stop: 11821, Start Num: 32
Candidate Starts for Adahisdi_15:
(Start: 32 @11309 has 813 MA's), (69, 11582), (91, 11720), (98, 11780), (103, 11798),

Gene: Adzzy_16 Start: 10383, Stop: 10907, Start Num: 32
Candidate Starts for Adzzy_16:
(Start: 32 @10383 has 813 MA's), (36, 10434), (40, 10452), (48, 10524), (52, 10554), (75, 10698), (78, 10710), (80, 10719), (95, 10845), (102, 10878), (104, 10887),

Gene: Aeneas_16 Start: 11404, Stop: 11916, Start Num: 32
Candidate Starts for Aeneas_16:
(Start: 32 @11404 has 813 MA's), (69, 11677), (91, 11815), (98, 11875), (103, 11893),

Gene: Agaliana_14 Start: 11119, Stop: 11631, Start Num: 32
Candidate Starts for Agaliana_14:
(13, 10918), (14, 10933), (Start: 32 @11119 has 813 MA's), (69, 11392), (91, 11530), (98, 11590), (103, 11608),

Gene: Agape74_17 Start: 12068, Stop: 12595, Start Num: 32
Candidate Starts for Agape74_17:
(Start: 32 @12068 has 813 MA's), (73, 12368), (75, 12383), (95, 12536), (102, 12569),

Gene: AgentM_12 Start: 10341, Stop: 10850, Start Num: 32
Candidate Starts for AgentM_12:
(Start: 32 @10341 has 813 MA's), (45, 10431), (63, 10584), (71, 10626), (75, 10653), (80, 10674), (86, 10722),

Gene: Aglet_16 Start: 10983, Stop: 11507, Start Num: 31
Candidate Starts for Aglet_16:

(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: AgronaGT15_16 Start: 10911, Stop: 11414, Start Num: 32
Candidate Starts for AgronaGT15_16:
(Start: 25 @10875 has 14 MA's), (Start: 31 @10890 has 20 MA's), (Start: 32 @10911 has 813 MA's), (54, 11088), (75, 11220), (78, 11232),

Gene: Airmid_12 Start: 10089, Stop: 10601, Start Num: 32
Candidate Starts for Airmid_12:
(Start: 25 @10056 has 14 MA's), (Start: 32 @10089 has 813 MA's), (45, 10182), (71, 10377), (75, 10404), (86, 10473), (92, 10506), (101, 10572),

Gene: Ajay_14 Start: 11115, Stop: 11627, Start Num: 32
Candidate Starts for Ajay_14:
(9, 10869), (13, 10914), (14, 10929), (Start: 32 @11115 has 813 MA's), (69, 11388), (91, 11526), (98, 11586), (103, 11604),

Gene: Alatin_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Alatin_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (87, 7572), (104, 7686),

Gene: Albee_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Albee_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Alberto7_15 Start: 11244, Stop: 11756, Start Num: 32
Candidate Starts for Alberto7_15:
(Start: 32 @11244 has 813 MA's), (46, 11355), (89, 11643),

Gene: Aldrich_15 Start: 11622, Stop: 12134, Start Num: 32
Candidate Starts for Aldrich_15:
(Start: 32 @11622 has 813 MA's), (51, 11787), (69, 11895), (91, 12033), (98, 12093), (103, 12111),

Gene: Aliter_16 Start: 12195, Stop: 12728, Start Num: 32
Candidate Starts for Aliter_16:
(Start: 32 @12195 has 813 MA's), (36, 12243), (50, 12357), (73, 12498), (75, 12513), (78, 12525), (102, 12693), (103, 12696),

Gene: Alma_16 Start: 12274, Stop: 12807, Start Num: 32
Candidate Starts for Alma_16:
(Start: 32 @12274 has 813 MA's), (36, 12322), (50, 12436), (73, 12577), (75, 12592), (78, 12604), (102, 12772), (103, 12775),

Gene: Alpacados_10 Start: 7165, Stop: 7650, Start Num: 39
Candidate Starts for Alpacados_10:
(19, 7003), (Start: 39 @7165 has 36 MA's), (66, 7396), (79, 7462), (87, 7519),

Gene: Alsfro_18 Start: 11858, Stop: 12370, Start Num: 32
Candidate Starts for Alsfro_18:
(Start: 32 @11858 has 813 MA's), (69, 12131), (91, 12269), (98, 12329), (103, 12347),

Gene: Altman_15 Start: 11653, Stop: 12165, Start Num: 32

Candidate Starts for Altman_15:
(13, 11452), (14, 11467), (Start: 32 @11653 has 813 MA's), (51, 11818), (69, 11926), (91, 12064), (98, 12124), (103, 12142),

Gene: Alvin_15 Start: 11326, Stop: 11838, Start Num: 32
Candidate Starts for Alvin_15:
(13, 11125), (14, 11140), (Start: 32 @11326 has 813 MA's), (51, 11491), (69, 11599), (91, 11737), (98, 11797), (103, 11815),

Gene: Anaysia_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for Anaysia_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Aneem_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Aneem_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Anglerfish_15 Start: 12039, Stop: 12551, Start Num: 32
Candidate Starts for Anglerfish_15:
(Start: 32 @12039 has 813 MA's), (51, 12204), (69, 12312), (91, 12450), (98, 12510), (103, 12528),

Gene: AngryOrchard_10 Start: 7148, Stop: 7633, Start Num: 39
Candidate Starts for AngryOrchard_10:
(19, 6986), (Start: 39 @7148 has 36 MA's), (66, 7379), (79, 7445), (87, 7502),

Gene: AnnaL29_18 Start: 13469, Stop: 13981, Start Num: 32
Candidate Starts for AnnaL29_18:
(Start: 32 @13469 has 813 MA's), (80, 13796), (95, 13922),

Gene: Annyong_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Annyong_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Anon_15 Start: 11108, Stop: 11614, Start Num: 32
Candidate Starts for Anon_15:
(Start: 32 @11108 has 813 MA's), (56, 11297), (78, 11423), (107, 11606),

Gene: Anselm_15 Start: 11730, Stop: 12242, Start Num: 32
Candidate Starts for Anselm_15:
(Start: 24 @11694 has 3 MA's), (Start: 31 @11709 has 20 MA's), (Start: 32 @11730 has 813 MA's), (73, 12018), (78, 12045), (95, 12183), (102, 12216),

Gene: Anthony_14 Start: 9846, Stop: 10355, Start Num: 32
Candidate Starts for Anthony_14:
(Start: 32 @9846 has 813 MA's), (48, 9981), (52, 10011), (102, 10332),

Gene: Anubis_18 Start: 10868, Stop: 11392, Start Num: 31
Candidate Starts for Anubis_18:
(Start: 25 @10853 has 14 MA's), (Start: 31 @10868 has 20 MA's), (Start: 32 @10889 has 813 MA's), (54, 11066), (75, 11198), (78, 11210),

Gene: AppleCloud_9 Start: 6912, Stop: 7397, Start Num: 39
Candidate Starts for AppleCloud_9:

(19, 6750), (Start: 39 @6912 has 36 MA's), (66, 7143), (79, 7209), (87, 7266),

Gene: Applejack_14 Start: 11053, Stop: 11565, Start Num: 32
Candidate Starts for Applejack_14:
(14, 10867), (Start: 32 @11053 has 813 MA's), (69, 11326), (91, 11464), (98, 11524), (103, 11542),

Gene: Aragog_12 Start: 10371, Stop: 10880, Start Num: 32
Candidate Starts for Aragog_12:
(Start: 32 @10371 has 813 MA's), (45, 10461), (63, 10614), (71, 10656), (75, 10683), (86, 10752),

Gene: Arcanine_15 Start: 10989, Stop: 11501, Start Num: 32
Candidate Starts for Arcanine_15:
(Start: 32 @10989 has 813 MA's), (51, 11154), (69, 11262), (91, 11400), (98, 11460), (103, 11478),

Gene: ArcherNM_17 Start: 13370, Stop: 13930, Start Num: 24
Candidate Starts for ArcherNM_17:
(Start: 24 @13370 has 3 MA's), (28, 13385), (Start: 32 @13406 has 813 MA's), (40, 13475), (80, 13742), (95, 13871),

Gene: Archetta_12 Start: 10081, Stop: 10593, Start Num: 32
Candidate Starts for Archetta_12:
(18, 9982), (Start: 25 @10048 has 14 MA's), (Start: 32 @10081 has 813 MA's), (45, 10174), (71, 10369), (75, 10396), (86, 10465), (92, 10498), (101, 10564),

Gene: Arissanae_14 Start: 10395, Stop: 10925, Start Num: 32
Candidate Starts for Arissanae_14:
(Start: 32 @10395 has 813 MA's), (37, 10443), (45, 10500), (73, 10695), (78, 10722), (102, 10890), (103, 10893),

Gene: Arlo_13 Start: 10678, Stop: 11190, Start Num: 32
Candidate Starts for Arlo_13:
(Start: 32 @10678 has 813 MA's), (51, 10843), (69, 10951), (91, 11089), (98, 11149), (103, 11167),

Gene: Artemis2UCLA_18 Start: 11564, Stop: 12085, Start Num: 32
Candidate Starts for Artemis2UCLA_18:
(17, 11468), (Start: 32 @11564 has 813 MA's), (37, 11612), (48, 11699), (62, 11792), (63, 11804), (84, 11930),

Gene: Arturo_13 Start: 11053, Stop: 11565, Start Num: 32
Candidate Starts for Arturo_13:
(Start: 32 @11053 has 813 MA's), (46, 11164), (89, 11452),

Gene: Ashballer_13 Start: 11057, Stop: 11569, Start Num: 32
Candidate Starts for Ashballer_13:
(Start: 32 @11057 has 813 MA's), (69, 11330), (91, 11468), (98, 11528), (103, 11546),

Gene: Astro_12 Start: 9843, Stop: 10349, Start Num: 33
Candidate Starts for Astro_12:
(Start: 33 @9843 has 9 MA's), (57, 10035), (64, 10092), (70, 10116), (75, 10149), (80, 10170), (94, 10275),

Gene: Atkinbua_15 Start: 11032, Stop: 11544, Start Num: 32
Candidate Starts for Atkinbua_15:

(Start: 32 @11032 has 813 MA's), (69, 11305), (91, 11443), (98, 11503), (103, 11521),

Gene: AugsMagnumOpus_18 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for AugsMagnumOpus_18:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: AvatarAhPeg_14 Start: 10907, Stop: 11419, Start Num: 32
Candidate Starts for AvatarAhPeg_14:
(Start: 25 @10874 has 14 MA's), (Start: 32 @10907 has 813 MA's), (46, 11018), (80, 11240), (89, 11306),

Gene: Avle17_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Avle17_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Ayanochan_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Ayanochan_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: B1_12 Start: 10184, Stop: 10708, Start Num: 32
Candidate Starts for B1_12:
(Start: 25 @10148 has 14 MA's), (Start: 32 @10184 has 813 MA's), (53, 10361), (71, 10469), (78, 10508),

Gene: BABullseye_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for BABullseye_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: BK1_12 Start: 10644, Stop: 11156, Start Num: 32
Candidate Starts for BK1_12:
(Start: 32 @10644 has 813 MA's), (51, 10809), (69, 10917), (91, 11055), (98, 11115), (103, 11133),

Gene: BPBiebs31_15 Start: 11317, Stop: 11829, Start Num: 32
Candidate Starts for BPBiebs31_15:
(13, 11116), (14, 11131), (Start: 32 @11317 has 813 MA's), (51, 11482), (69, 11590), (91, 11728), (98, 11788), (103, 11806),

Gene: Baby16_14 Start: 10948, Stop: 11460, Start Num: 32
Candidate Starts for Baby16_14:
(Start: 32 @10948 has 813 MA's), (46, 11059), (89, 11347),

Gene: BabyBack_17 Start: 13261, Stop: 13785, Start Num: 32
Candidate Starts for BabyBack_17:
(Start: 32 @13261 has 813 MA's), (40, 13327), (48, 13399), (73, 13558), (84, 13630),

Gene: BabyJohn_13 Start: 10767, Stop: 11291, Start Num: 32
Candidate Starts for BabyJohn_13:
(Start: 32 @10767 has 813 MA's), (53, 10944), (71, 11052), (78, 11091),

Gene: BabyRay_14 Start: 10770, Stop: 11294, Start Num: 32
Candidate Starts for BabyRay_14:

(Start: 32 @10770 has 813 MA's), (53, 10944), (71, 11052), (78, 11091), (106, 11265),

Gene: Bachome_15 Start: 12149, Stop: 12670, Start Num: 32
Candidate Starts for Bachome_15:
(28, 12128), (Start: 32 @12149 has 813 MA's), (34, 12191), (36, 12200), (46, 12263), (73, 12449),

Gene: Backyardigan_14 Start: 10955, Stop: 11470, Start Num: 32
Candidate Starts for Backyardigan_14:
(4, 10664), (8, 10715), (11, 10751), (12, 10754), (Start: 25 @10922 has 14 MA's), (Start: 32 @10955 has 813 MA's), (89, 11357),

Gene: BaconJack_16 Start: 11096, Stop: 11608, Start Num: 32
Candidate Starts for BaconJack_16:
(Start: 32 @11096 has 813 MA's), (51, 11261), (69, 11369), (91, 11507), (98, 11567), (103, 11585),

Gene: Bactobuster_16 Start: 13356, Stop: 13865, Start Num: 32
Candidate Starts for Bactobuster_16:
(Start: 32 @13356 has 813 MA's), (53, 13524), (73, 13644), (78, 13671), (95, 13809),

Gene: Badger_14 Start: 10944, Stop: 11459, Start Num: 32
Candidate Starts for Badger_14:
(4, 10653), (8, 10704), (11, 10740), (12, 10743), (Start: 25 @10911 has 14 MA's), (Start: 32 @10944 has 813 MA's), (89, 11346),

Gene: Baehexic_16 Start: 12120, Stop: 12644, Start Num: 32
Candidate Starts for Baehexic_16:
(Start: 24 @12084 has 3 MA's), (27, 12099), (Start: 32 @12120 has 813 MA's), (64, 12381), (95, 12585), (102, 12618),

Gene: BangNhom_13 Start: 10917, Stop: 11429, Start Num: 32
Candidate Starts for BangNhom_13:
(Start: 25 @10884 has 14 MA's), (Start: 32 @10917 has 813 MA's), (46, 11028), (80, 11250), (89, 11316),

Gene: Barriga_14 Start: 10920, Stop: 11432, Start Num: 32
Candidate Starts for Barriga_14:
(Start: 32 @10920 has 813 MA's), (51, 11085), (69, 11193), (91, 11331), (98, 11391), (103, 11409),

Gene: BarrowTuph_13 Start: 10968, Stop: 11480, Start Num: 32
Candidate Starts for BarrowTuph_13:
(9, 10722), (13, 10767), (14, 10782), (Start: 32 @10968 has 813 MA's), (69, 11241), (91, 11379), (98, 11439), (103, 11457),

Gene: Bartimeaus_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Bartimeaus_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Battleship_18 Start: 10868, Stop: 11377, Start Num: 32
Candidate Starts for Battleship_18:
(Start: 32 @10868 has 813 MA's),

Gene: Beatrix_13 Start: 11760, Stop: 12272, Start Num: 32
Candidate Starts for Beatrix_13:

(Start: 32 @11760 has 813 MA's), (69, 12033), (91, 12171), (98, 12231), (103, 12249),

Gene: Beauxregard13_16 Start: 10982, Stop: 11506, Start Num: 31
Candidate Starts for Beauxregard13_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Beemo_16 Start: 12301, Stop: 12834, Start Num: 32
Candidate Starts for Beemo_16:
(Start: 32 @12301 has 813 MA's), (36, 12349), (50, 12463), (73, 12604), (75, 12619), (78, 12631), (102, 12799), (103, 12802),

Gene: BeesKnees_15 Start: 11119, Stop: 11631, Start Num: 32
Candidate Starts for BeesKnees_15:
(Start: 32 @11119 has 813 MA's), (69, 11392), (91, 11530), (98, 11590), (103, 11608),

Gene: Belenaria_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Belenaria_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Bellris_14 Start: 10342, Stop: 10866, Start Num: 32
Candidate Starts for Bellris_14:
(Start: 32 @10342 has 813 MA's), (40, 10405), (45, 10441), (102, 10831), (103, 10834),

Gene: BellusTerra_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for BellusTerra_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Benedict_12 Start: 10091, Stop: 10603, Start Num: 32
Candidate Starts for Benedict_12:
(Start: 25 @10058 has 14 MA's), (Start: 32 @10091 has 813 MA's), (45, 10184), (71, 10379), (75, 10406), (86, 10475), (92, 10508), (101, 10574),

Gene: BengiVuitton_16 Start: 12045, Stop: 12557, Start Num: 32
Candidate Starts for BengiVuitton_16:
(Start: 26 @12009 has 1 MA's), (Start: 31 @12024 has 20 MA's), (Start: 32 @12045 has 813 MA's), (43, 12123), (73, 12336), (87, 12426), (95, 12498),

Gene: BennyP_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for BennyP_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: Benvolio_15 Start: 11720, Stop: 12232, Start Num: 32
Candidate Starts for Benvolio_15:
(Start: 24 @11684 has 3 MA's), (Start: 31 @11699 has 20 MA's), (Start: 32 @11720 has 813 MA's), (73, 12008), (78, 12035), (95, 12173),

Gene: Bethlehem_14 Start: 12347, Stop: 12859, Start Num: 32
Candidate Starts for Bethlehem_14:
(Start: 32 @12347 has 813 MA's), (51, 12512), (69, 12620), (91, 12758), (98, 12818), (103, 12836),

Gene: Bexan_13 Start: 11761, Stop: 12273, Start Num: 32
Candidate Starts for Bexan_13:

(Start: 32 @11761 has 813 MA's), (69, 12034), (91, 12172), (98, 12232), (103, 12250),

Gene: BiancaTri92_17 Start: 13398, Stop: 13916, Start Num: 32
Candidate Starts for BiancaTri92_17:
(Start: 24 @13362 has 3 MA's), (Start: 31 @13377 has 20 MA's), (Start: 32 @13398 has 813 MA's), (73, 13695), (78, 13722), (95, 13857),

Gene: Big3_14 Start: 11704, Stop: 12216, Start Num: 32
Candidate Starts for Big3_14:
(Start: 32 @11704 has 813 MA's), (69, 11977), (91, 12115), (98, 12175), (103, 12193),

Gene: BigMau_16 Start: 11285, Stop: 11797, Start Num: 32
Candidate Starts for BigMau_16:
(13, 11084), (14, 11099), (Start: 32 @11285 has 813 MA's), (51, 11450), (69, 11558), (91, 11696), (98, 11756), (103, 11774),

Gene: BigPaolini_15 Start: 11711, Stop: 12223, Start Num: 32
Candidate Starts for BigPaolini_15:
(Start: 32 @11711 has 813 MA's), (69, 11984), (91, 12122), (98, 12182), (103, 12200),

Gene: Bigchungi_14 Start: 10787, Stop: 11299, Start Num: 32
Candidate Starts for Bigchungi_14:
(Start: 32 @10787 has 813 MA's), (51, 10952), (69, 11060), (91, 11198), (98, 11258), (103, 11276),

Gene: Bigflo_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Bigflo_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Bigfoot_13 Start: 10809, Stop: 11321, Start Num: 32
Candidate Starts for Bigfoot_13:
(14, 10623), (Start: 32 @10809 has 813 MA's), (69, 11082), (91, 11220), (98, 11280), (103, 11298),

Gene: BillKnuckles_15 Start: 11758, Stop: 12255, Start Num: 32
Candidate Starts for BillKnuckles_15:
(Start: 32 @11758 has 813 MA's), (62, 11974), (63, 11986), (80, 12076), (93, 12163), (96, 12205), (100, 12223),

Gene: Bircsak_14 Start: 11270, Stop: 11782, Start Num: 32
Candidate Starts for Bircsak_14:
(13, 11069), (14, 11084), (Start: 32 @11270 has 813 MA's), (51, 11435), (69, 11543), (91, 11681), (98, 11741), (103, 11759),

Gene: Blackflame_14 Start: 10796, Stop: 11308, Start Num: 32
Candidate Starts for Blackflame_14:
(Start: 32 @10796 has 813 MA's), (51, 10961), (69, 11069), (91, 11207), (98, 11267), (103, 11285),

Gene: Blackmoor_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Blackmoor_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: BlessJoy_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for BlessJoy_18:

(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: Blesser_14 Start: 11374, Stop: 11886, Start Num: 32
Candidate Starts for Blesser_14:
(14, 11188), (Start: 32 @11374 has 813 MA's), (69, 11647), (91, 11785), (98, 11845), (103, 11863),

Gene: Blinn1_18 Start: 11710, Stop: 12240, Start Num: 32
Candidate Starts for Blinn1_18:
(Start: 32 @11710 has 813 MA's), (48, 11854), (62, 11947), (63, 11959), (84, 12085),

Gene: BluSpix_14 Start: 11069, Stop: 11581, Start Num: 32
Candidate Starts for BluSpix_14:
(13, 10868), (14, 10883), (Start: 32 @11069 has 813 MA's), (69, 11342), (91, 11480), (98, 11540), (103, 11558),

Gene: Blue_14 Start: 11176, Stop: 11688, Start Num: 32
Candidate Starts for Blue_14:
(13, 10975), (14, 10990), (Start: 32 @11176 has 813 MA's), (69, 11449), (91, 11587), (98, 11647), (103, 11665),

Gene: Blue7_18 Start: 11655, Stop: 12176, Start Num: 32
Candidate Starts for Blue7_18:
(17, 11559), (Start: 32 @11655 has 813 MA's), (37, 11703), (48, 11790), (63, 11895), (84, 12021),

Gene: BlueBird_15 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for BlueBird_15:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: Bluefalcon_11 Start: 10341, Stop: 10850, Start Num: 32
Candidate Starts for Bluefalcon_11:
(Start: 32 @10341 has 813 MA's), (45, 10431), (63, 10584), (71, 10626), (75, 10653), (86, 10722),

Gene: Bob3_13 Start: 10625, Stop: 11137, Start Num: 32
Candidate Starts for Bob3_13:
(Start: 32 @10625 has 813 MA's), (51, 10790), (69, 10898), (91, 11036), (98, 11096), (103, 11114),

Gene: BobSwaget_18 Start: 13290, Stop: 13799, Start Num: 32
Candidate Starts for BobSwaget_18:
(Start: 32 @13290 has 813 MA's), (43, 13371), (48, 13425), (73, 13584), (75, 13599), (95, 13743),

Gene: BobbyDazzler_11 Start: 7274, Stop: 7759, Start Num: 39
Candidate Starts for BobbyDazzler_11:
(19, 7112), (Start: 39 @7274 has 36 MA's), (66, 7505), (79, 7571), (87, 7628),

Gene: BogosyJay_16 Start: 12052, Stop: 12585, Start Num: 32
Candidate Starts for BogosyJay_16:
(Start: 32 @12052 has 813 MA's), (36, 12100), (50, 12214), (73, 12355), (75, 12370), (78, 12382), (102, 12550), (103, 12553),

Gene: Bombshell_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Bombshell_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Bonamassa_12 Start: 10263, Stop: 10772, Start Num: 32
Candidate Starts for Bonamassa_12:
(Start: 32 @10263 has 813 MA's), (45, 10353), (63, 10506), (71, 10548), (75, 10575), (80, 10596), (86, 10644),

Gene: Bonanza_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Bonanza_11:
(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: Bones_14 Start: 10819, Stop: 11331, Start Num: 32
Candidate Starts for Bones_14:
(Start: 32 @10819 has 813 MA's), (69, 11092), (91, 11230), (98, 11290), (103, 11308),

Gene: Boohoo_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for Boohoo_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Bowtie_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Bowtie_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Bradman_14 Start: 10524, Stop: 11048, Start Num: 32
Candidate Starts for Bradman_14:
(Start: 24 @10488 has 3 MA's), (27, 10503), (Start: 32 @10524 has 813 MA's), (36, 10575), (48, 10665), (52, 10695), (75, 10839), (80, 10860), (95, 10989), (102, 11022),

Gene: Bradshaw_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Bradshaw_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: BreSam8_16 Start: 10960, Stop: 11499, Start Num: 25
Candidate Starts for BreSam8_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: Briton15_16 Start: 11131, Stop: 11643, Start Num: 32
Candidate Starts for Briton15_16:
(Start: 32 @11131 has 813 MA's), (51, 11296), (69, 11404), (91, 11542), (98, 11602), (103, 11620),

Gene: Broseidon_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Broseidon_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Bruiser_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Bruiser_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Bruns_13 Start: 10988, Stop: 11500, Start Num: 32
Candidate Starts for Bruns_13:
(Start: 32 @10988 has 813 MA's), (51, 11153), (69, 11261), (91, 11399), (98, 11459), (103, 11477),

Gene: Bryce_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Bryce_11:

(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: BubbleTrouble_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for BubbleTrouble_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Buckaroo_13 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for Buckaroo_13:
(Start: 32 @10943 has 813 MA's), (46, 11054), (89, 11342),

Gene: Bud_15 Start: 12158, Stop: 12679, Start Num: 32
Candidate Starts for Bud_15:
(28, 12137), (Start: 32 @12158 has 813 MA's), (36, 12209), (46, 12272), (73, 12458),

Gene: Bugatti_15 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for Bugatti_15:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: Bugsy_17 Start: 12067, Stop: 12594, Start Num: 32
Candidate Starts for Bugsy_17:
(Start: 32 @12067 has 813 MA's), (73, 12367), (75, 12382), (95, 12535), (102, 12568),

Gene: Bumblebee11_14 Start: 10949, Stop: 11461, Start Num: 32
Candidate Starts for Bumblebee11_14:
(Start: 25 @10916 has 14 MA's), (Start: 32 @10949 has 813 MA's), (46, 11060), (61, 11171), (89, 11348),

Gene: Burger_13 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Burger_13:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Burton_15 Start: 11188, Stop: 11700, Start Num: 32
Candidate Starts for Burton_15:
(13, 10987), (14, 11002), (Start: 32 @11188 has 813 MA's), (51, 11353), (69, 11461), (91, 11599), (98, 11659), (103, 11677),

Gene: Buttons_15 Start: 11258, Stop: 11770, Start Num: 32
Candidate Starts for Buttons_15:
(Start: 32 @11258 has 813 MA's), (51, 11423), (69, 11531), (91, 11669), (98, 11729), (103, 11747),

Gene: BuzzBuzz_15 Start: 11087, Stop: 11590, Start Num: 32
Candidate Starts for BuzzBuzz_15:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: Bxb1_13 Start: 11127, Stop: 11624, Start Num: 32
Candidate Starts for Bxb1_13:
(Start: 32 @11127 has 813 MA's), (62, 11343), (63, 11355), (80, 11445), (93, 11532), (96, 11574), (100, 11592),

Gene: Bxz2_16 Start: 11097, Stop: 11600, Start Num: 32
Candidate Starts for Bxz2_16:

(Start: 25 @11061 has 14 MA's), (Start: 31 @11076 has 20 MA's), (Start: 32 @11097 has 813 MA's), (54, 11274), (75, 11406), (78, 11418),

Gene: C3_13 Start: 11582, Stop: 12103, Start Num: 32
Candidate Starts for C3_13:
(21, 11534), (Start: 32 @11582 has 813 MA's), (48, 11726), (63, 11831), (73, 11885), (75, 11900), (95, 12044), (102, 12077),

Gene: CRB1_15 Start: 11588, Stop: 12115, Start Num: 32
Candidate Starts for CRB1_15:
(Start: 32 @11588 has 813 MA's), (75, 11903), (95, 12056), (102, 12089),

Gene: CactusRose_13 Start: 10808, Stop: 11320, Start Num: 32
Candidate Starts for CactusRose_13:
(Start: 32 @10808 has 813 MA's), (69, 11081), (91, 11219), (98, 11279), (103, 11297),

Gene: Caelakin_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Caelakin_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Caitlin_12 Start: 9840, Stop: 10346, Start Num: 33
Candidate Starts for Caitlin_12:
(Start: 33 @9840 has 9 MA's), (57, 10032), (64, 10089), (70, 10113), (75, 10146), (80, 10167), (94, 10272),

Gene: Calvinny_16 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Calvinny_16:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Camperdownii_13 Start: 10561, Stop: 11073, Start Num: 32
Candidate Starts for Camperdownii_13:
(Start: 25 @10528 has 14 MA's), (Start: 32 @10561 has 813 MA's), (46, 10672), (73, 10858), (89, 10960),

Gene: Candra_18 Start: 11710, Stop: 12240, Start Num: 32
Candidate Starts for Candra_18:
(Start: 32 @11710 has 813 MA's), (48, 11854), (62, 11947), (63, 11959), (84, 12085),

Gene: Caraxes_14 Start: 10281, Stop: 10805, Start Num: 32
Candidate Starts for Caraxes_14:
(Start: 32 @10281 has 813 MA's), (40, 10350), (48, 10422), (52, 10452), (75, 10596), (80, 10617), (95, 10743), (102, 10776), (104, 10785),

Gene: Carlyle_16 Start: 11656, Stop: 12168, Start Num: 32
Candidate Starts for Carlyle_16:
(Start: 32 @11656 has 813 MA's), (69, 11929), (91, 12067), (98, 12127), (103, 12145),

Gene: CartmannCramer_14 Start: 12609, Stop: 13121, Start Num: 32
Candidate Starts for CartmannCramer_14:
(13, 12408), (14, 12423), (Start: 32 @12609 has 813 MA's), (51, 12774), (69, 12882), (91, 13020), (98, 13080), (103, 13098),

Gene: CatBus_15 Start: 11814, Stop: 12326, Start Num: 32
Candidate Starts for CatBus_15:
(Start: 32 @11814 has 813 MA's), (51, 11979), (69, 12087), (91, 12225), (98, 12285), (103, 12303),

Gene: Cat_12 Start: 10389, Stop: 10913, Start Num: 32
Candidate Starts for Cat_12:
(Start: 32 @10389 has 813 MA's), (53, 10563), (71, 10671), (78, 10710), (106, 10884),

Gene: Catalina_16 Start: 12268, Stop: 12801, Start Num: 32
Candidate Starts for Catalina_16:
(Start: 32 @12268 has 813 MA's), (36, 12316), (50, 12430), (73, 12571), (75, 12586), (78, 12598), (102, 12766), (103, 12769),

Gene: Caviar_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Caviar_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Celestialunch_14 Start: 10421, Stop: 10951, Start Num: 32
Candidate Starts for Celestialunch_14:
(Start: 31 @10400 has 20 MA's), (Start: 32 @10421 has 813 MA's), (36, 10472), (78, 10748),

Gene: Centaur_17 Start: 12098, Stop: 12622, Start Num: 32
Candidate Starts for Centaur_17:
(16, 11945), (Start: 24 @12062 has 3 MA's), (27, 12077), (Start: 32 @12098 has 813 MA's), (53, 12278), (73, 12398), (78, 12425), (80, 12434), (95, 12563), (102, 12596), (104, 12605), (106, 12608),

Gene: CentreCat_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for CentreCat_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Cerulean_14 Start: 10918, Stop: 11430, Start Num: 32
Candidate Starts for Cerulean_14:
(Start: 25 @10885 has 14 MA's), (Start: 32 @10918 has 813 MA's), (46, 11029), (80, 11251), (89, 11317),

Gene: Chadwick_13 Start: 10059, Stop: 10571, Start Num: 32
Candidate Starts for Chadwick_13:
(Start: 25 @10026 has 14 MA's), (Start: 32 @10059 has 813 MA's), (45, 10152), (71, 10347), (75, 10374), (86, 10443), (92, 10476), (101, 10542),

Gene: ChampagnePapi_14 Start: 10917, Stop: 11429, Start Num: 32
Candidate Starts for ChampagnePapi_14:
(Start: 25 @10884 has 14 MA's), (Start: 32 @10917 has 813 MA's), (46, 11028), (80, 11250), (89, 11316),

Gene: Chanagan_13 Start: 10651, Stop: 11163, Start Num: 32
Candidate Starts for Chanagan_13:
(Start: 32 @10651 has 813 MA's), (69, 10924), (91, 11062), (98, 11122), (103, 11140),

Gene: Changeling_18 Start: 13463, Stop: 13987, Start Num: 32
Candidate Starts for Changeling_18:
(Start: 24 @13424 has 3 MA's), (Start: 32 @13463 has 813 MA's), (40, 13532), (53, 13643), (80, 13799), (95, 13928),

Gene: Chaph_14 Start: 10948, Stop: 11460, Start Num: 32
Candidate Starts for Chaph_14:
(Start: 32 @10948 has 813 MA's), (46, 11059), (89, 11347),

Gene: Chargerpower_15 Start: 10766, Stop: 11284, Start Num: 32
Candidate Starts for Chargerpower_15:
(Start: 32 @10766 has 813 MA's), (37, 10820), (48, 10904), (62, 10997), (78, 11090), (95, 11225),

Gene: Charm_15 Start: 10498, Stop: 11028, Start Num: 32
Candidate Starts for Charm_15:
(Start: 31 @10477 has 20 MA's), (Start: 32 @10498 has 813 MA's), (36, 10549), (40, 10567), (62, 10732), (78, 10825),

Gene: Chartreuse_18 Start: 11624, Stop: 12154, Start Num: 32
Candidate Starts for Chartreuse_18:
(Start: 32 @11624 has 813 MA's), (48, 11768), (62, 11861), (63, 11873), (84, 11999),

Gene: Che12_16 Start: 10378, Stop: 10902, Start Num: 32
Candidate Starts for Che12_16:
(Start: 32 @10378 has 813 MA's), (40, 10447), (48, 10519), (52, 10549), (75, 10693), (80, 10714), (95, 10840), (102, 10873),

Gene: ChipMunk_17 Start: 12018, Stop: 12530, Start Num: 32
Candidate Starts for ChipMunk_17:
(Start: 24 @11982 has 3 MA's), (Start: 31 @11997 has 20 MA's), (Start: 32 @12018 has 813 MA's), (73, 12306), (78, 12333), (80, 12342), (95, 12471), (102, 12504),

Gene: Chiqui_13 Start: 10767, Stop: 11291, Start Num: 32
Candidate Starts for Chiqui_13:
(Start: 32 @10767 has 813 MA's), (53, 10944), (71, 11052), (78, 11091),

Gene: ChristmasHams_14 Start: 11119, Stop: 11631, Start Num: 32
Candidate Starts for ChristmasHams_14:
(13, 10918), (14, 10933), (Start: 32 @11119 has 813 MA's), (51, 11284), (69, 11392), (91, 11530), (98, 11590), (103, 11608),

Gene: Chupacabra_14 Start: 10702, Stop: 11223, Start Num: 32
Candidate Starts for Chupacabra_14:
(Start: 31 @10681 has 20 MA's), (Start: 32 @10702 has 813 MA's), (90, 11116),

Gene: Ciao_14 Start: 11038, Stop: 11550, Start Num: 32
Candidate Starts for Ciao_14:
(13, 10837), (14, 10852), (Start: 32 @11038 has 813 MA's), (51, 11203), (69, 11311), (91, 11449), (98, 11509), (103, 11527),

Gene: Cici_14 Start: 10937, Stop: 11452, Start Num: 32
Candidate Starts for Cici_14:
(Start: 25 @10904 has 14 MA's), (Start: 32 @10937 has 813 MA's), (61, 11162), (89, 11339),

Gene: Cindaradix_13 Start: 10649, Stop: 11173, Start Num: 32
Candidate Starts for Cindaradix_13:

(Start: 25 @10616 has 14 MA's), (Start: 32 @10649 has 813 MA's), (41, 10733), (46, 10772), (89, 11060),

Gene: Cintron_14 Start: 10987, Stop: 11499, Start Num: 32
Candidate Starts for Cintron_14:
(Start: 32 @10987 has 813 MA's), (46, 11098), (73, 11284), (89, 11386),

Gene: Citius_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Citius_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Clammy_15 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for Clammy_15:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: Clarenza_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Clarenza_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: CloudWang3_18 Start: 11655, Stop: 12185, Start Num: 32
Candidate Starts for CloudWang3_18:
(Start: 32 @11655 has 813 MA's), (48, 11799), (62, 11892), (63, 11904), (84, 12030),

Gene: ClownCar_16 Start: 11073, Stop: 11576, Start Num: 32
Candidate Starts for ClownCar_16:
(Start: 25 @11037 has 14 MA's), (Start: 31 @11052 has 20 MA's), (Start: 32 @11073 has 813 MA's), (54, 11250), (75, 11382), (78, 11394),

Gene: Cocoaberry_14 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for Cocoaberry_14:
(Start: 32 @10943 has 813 MA's), (46, 11054), (89, 11342),

Gene: CogOmlette_13 Start: 10342, Stop: 10866, Start Num: 32
Candidate Starts for CogOmlette_13:
(Start: 32 @10342 has 813 MA's), (40, 10405), (45, 10441), (102, 10831), (103, 10834),

Gene: Colbster_16 Start: 11003, Stop: 11506, Start Num: 32
Candidate Starts for Colbster_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Colin_18 Start: 13279, Stop: 13803, Start Num: 32
Candidate Starts for Colin_18:
(16, 13123), (28, 13258), (Start: 32 @13279 has 813 MA's), (40, 13348), (63, 13525), (95, 13744),

Gene: Commander_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Commander_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: ConceptII_14 Start: 11289, Stop: 11801, Start Num: 32
Candidate Starts for ConceptII_14:
(13, 11088), (14, 11103), (Start: 32 @11289 has 813 MA's), (51, 11454), (69, 11562), (91, 11700), (98, 11760), (103, 11778),

Gene: Connomayer_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Connomayer_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Conquerage_16 Start: 12297, Stop: 12830, Start Num: 32
Candidate Starts for Conquerage_16:
(Start: 32 @12297 has 813 MA's), (36, 12345), (50, 12459), (73, 12600), (75, 12615), (78, 12627), (102, 12795), (103, 12798),

Gene: Conspiracy_12 Start: 10081, Stop: 10590, Start Num: 32
Candidate Starts for Conspiracy_12:
(Start: 32 @10081 has 813 MA's), (45, 10171), (63, 10324), (71, 10366), (75, 10393), (80, 10414), (86, 10462),

Gene: Coog_12 Start: 10231, Stop: 10740, Start Num: 32
Candidate Starts for Coog_12:
(Start: 32 @10231 has 813 MA's), (45, 10321), (63, 10474), (71, 10516), (75, 10543), (80, 10564), (86, 10612),

Gene: Cookiedough_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Cookiedough_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Corvo_14 Start: 11232, Stop: 11744, Start Num: 32
Candidate Starts for Corvo_14:
(Start: 32 @11232 has 813 MA's), (51, 11397), (69, 11505), (91, 11643), (98, 11703), (103, 11721),

Gene: CosmicSans_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for CosmicSans_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Crispicous1_13 Start: 10518, Stop: 11030, Start Num: 32
Candidate Starts for Crispicous1_13:
(Start: 32 @10518 has 813 MA's), (51, 10683), (69, 10791), (91, 10929), (98, 10989), (103, 11007),

Gene: Croquant_17 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Croquant_17:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Crucio_15 Start: 11565, Stop: 12077, Start Num: 32
Candidate Starts for Crucio_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: Cuco_12 Start: 10262, Stop: 10771, Start Num: 32
Candidate Starts for Cuco_12:
(Start: 32 @10262 has 813 MA's), (45, 10352), (63, 10505), (71, 10547), (75, 10574), (80, 10595), (86, 10643),

Gene: Cueylyss_14 Start: 11228, Stop: 11740, Start Num: 32
Candidate Starts for Cueylyss_14:

(14, 11042), (Start: 32 @11228 has 813 MA's), (69, 11501), (91, 11639), (98, 11699), (103, 11717),

Gene: Cullens_16 Start: 10965, Stop: 11504, Start Num: 25
Candidate Starts for Cullens_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: D29_16 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for D29_16:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: D32_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for D32_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: DBQu4n_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for DBQu4n_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: DD5_15 Start: 11768, Stop: 12280, Start Num: 32
Candidate Starts for DD5_15:
(Start: 32 @11768 has 813 MA's), (69, 12041), (91, 12179), (98, 12239), (103, 12257),

Gene: DaHudson_16 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for DaHudson_16:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: DaVinci_18 Start: 11678, Stop: 12208, Start Num: 32
Candidate Starts for DaVinci_18:
(Start: 32 @11678 has 813 MA's), (48, 11822), (62, 11915), (63, 11927), (84, 12053),

Gene: Daishi_15 Start: 9928, Stop: 10431, Start Num: 32
Candidate Starts for Daishi_15:
(Start: 25 @9892 has 14 MA's), (Start: 31 @9907 has 20 MA's), (Start: 32 @9928 has 813 MA's), (54, 10105), (75, 10237), (78, 10249),

Gene: Dalmatian_15 Start: 11715, Stop: 12227, Start Num: 32
Candidate Starts for Dalmatian_15:
(Start: 24 @11679 has 3 MA's), (Start: 31 @11694 has 20 MA's), (Start: 32 @11715 has 813 MA's), (73, 12003), (78, 12030), (95, 12168),

Gene: Danforth_11 Start: 9822, Stop: 10328, Start Num: 33
Candidate Starts for Danforth_11:
(Start: 33 @9822 has 9 MA's), (57, 10014), (64, 10071), (70, 10095), (75, 10128), (80, 10149), (94, 10254),

Gene: Darrell_17 Start: 12486, Stop: 13019, Start Num: 32
Candidate Starts for Darrell_17:

(Start: 32 @12486 has 813 MA's), (36, 12534), (50, 12648), (73, 12789), (75, 12804), (78, 12816), (102, 12984), (103, 12987),

Gene: DarthPhader_16 Start: 12456, Stop: 12989, Start Num: 32
Candidate Starts for DarthPhader_16:
(Start: 32 @12456 has 813 MA's), (48, 12594), (55, 12639), (73, 12753), (100, 12942),

Gene: Datway_14 Start: 10955, Stop: 11470, Start Num: 32
Candidate Starts for Datway_14:
(4, 10664), (8, 10715), (11, 10751), (12, 10754), (Start: 25 @10922 has 14 MA's), (Start: 32 @10955 has 813 MA's), (89, 11357),

Gene: Deano_14 Start: 10947, Stop: 11459, Start Num: 32
Candidate Starts for Deano_14:
(Start: 25 @10914 has 14 MA's), (Start: 32 @10947 has 813 MA's), (46, 11058), (73, 11244), (89, 11346),

Gene: DeerParkTS_16 Start: 11664, Stop: 12185, Start Num: 32
Candidate Starts for DeerParkTS_16:
(Start: 32 @11664 has 813 MA's), (73, 11961), (78, 11988), (95, 12126),

Gene: DekHockey33_17 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for DekHockey33_17:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: Deloris_16 Start: 12045, Stop: 12557, Start Num: 32
Candidate Starts for Deloris_16:
(Start: 26 @12009 has 1 MA's), (Start: 31 @12024 has 20 MA's), (Start: 32 @12045 has 813 MA's), (43, 12123), (73, 12336), (87, 12426), (95, 12498),

Gene: DelvinSonDorr_17 Start: 11668, Stop: 12198, Start Num: 32
Candidate Starts for DelvinSonDorr_17:
(Start: 32 @11668 has 813 MA's), (48, 11812), (62, 11905), (63, 11917), (84, 12043),

Gene: Dexes_15 Start: 11733, Stop: 12245, Start Num: 32
Candidate Starts for Dexes_15:
(13, 11532), (14, 11547), (Start: 32 @11733 has 813 MA's), (69, 12006), (91, 12144), (98, 12204), (103, 12222),

Gene: Dhanush_14 Start: 10942, Stop: 11454, Start Num: 32
Candidate Starts for Dhanush_14:
(Start: 32 @10942 has 813 MA's), (46, 11053), (89, 11341),

Gene: Dieselweasel_16 Start: 11004, Stop: 11507, Start Num: 32
Candidate Starts for Dieselweasel_16:
(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: Dignity_17 Start: 12012, Stop: 12539, Start Num: 32
Candidate Starts for Dignity_17:
(Start: 32 @12012 has 813 MA's), (73, 12312), (75, 12327), (95, 12480), (102, 12513),

Gene: Dinger_11 Start: 7199, Stop: 7684, Start Num: 39

Candidate Starts for Dinger_11:
(19, 7037), (Start: 39 @7199 has 36 MA's), (66, 7430), (79, 7496), (87, 7553),

Gene: DirtDevil_15 Start: 11622, Stop: 12134, Start Num: 32
Candidate Starts for DirtDevil_15:
(Start: 32 @11622 has 813 MA's), (51, 11787), (69, 11895), (91, 12033), (98, 12093), (103, 12111),

Gene: DirtyDunning_14 Start: 10935, Stop: 11447, Start Num: 32
Candidate Starts for DirtyDunning_14:
(Start: 32 @10935 has 813 MA's), (46, 11046), (89, 11334),

Gene: Discoknowium_12 Start: 10371, Stop: 10880, Start Num: 32
Candidate Starts for Discoknowium_12:
(Start: 32 @10371 has 813 MA's), (45, 10461), (63, 10614), (71, 10656), (75, 10683), (86, 10752),

Gene: Dixon_12 Start: 9841, Stop: 10347, Start Num: 33
Candidate Starts for Dixon_12:
(Start: 33 @9841 has 9 MA's), (57, 10033), (64, 10090), (70, 10114), (75, 10147), (80, 10168), (94, 10273),

Gene: DontArgue_13 Start: 8955, Stop: 9476, Start Num: 32
Candidate Starts for DontArgue_13:
(Start: 31 @8934 has 20 MA's), (Start: 32 @8955 has 813 MA's), (42, 9042),

Gene: Doom_14 Start: 11311, Stop: 11823, Start Num: 32
Candidate Starts for Doom_14:
(Start: 32 @11311 has 813 MA's), (51, 11476), (69, 11584), (91, 11722), (98, 11782), (103, 11800),

Gene: Dorothea_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for Dorothea_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: DrFeelGood_13 Start: 10835, Stop: 11347, Start Num: 32
Candidate Starts for DrFeelGood_13:
(Start: 32 @10835 has 813 MA's), (51, 11000), (69, 11108), (91, 11246), (98, 11306), (103, 11324),

Gene: Drake55_17 Start: 12116, Stop: 12640, Start Num: 32
Candidate Starts for Drake55_17:
(Start: 24 @12080 has 3 MA's), (27, 12095), (Start: 32 @12116 has 813 MA's), (64, 12377), (73, 12416), (95, 12581), (102, 12614),

Gene: Drake94_13 Start: 8806, Stop: 9327, Start Num: 32
Candidate Starts for Drake94_13:
(Start: 31 @8785 has 20 MA's), (Start: 32 @8806 has 813 MA's), (53, 8992), (62, 9046),

Gene: DreamCatcher_17 Start: 12264, Stop: 12776, Start Num: 32
Candidate Starts for DreamCatcher_17:
(Start: 32 @12264 has 813 MA's), (51, 12429), (69, 12537), (91, 12675), (98, 12735), (103, 12753),

Gene: DreamTeam1_15 Start: 10498, Stop: 11028, Start Num: 32
Candidate Starts for DreamTeam1_15:
(Start: 31 @10477 has 20 MA's), (Start: 32 @10498 has 813 MA's), (36, 10549), (40, 10567), (62, 10732), (78, 10825),

Gene: Dreamboat_15 Start: 10963, Stop: 11475, Start Num: 32
Candidate Starts for Dreamboat_15:
(Start: 32 @10963 has 813 MA's), (51, 11128), (69, 11236), (91, 11374), (98, 11434), (103, 11452),

Gene: DroogsArmy_15 Start: 12278, Stop: 12781, Start Num: 32
Candidate Starts for DroogsArmy_15:
(Start: 32 @12278 has 813 MA's), (43, 12350), (53, 12443), (78, 12590), (87, 12653), (99, 12746), (100, 12749), (101, 12755),

Gene: DropBear_14 Start: 10606, Stop: 11127, Start Num: 32
Candidate Starts for DropBear_14:
(Start: 32 @10606 has 813 MA's), (53, 10780), (71, 10888), (78, 10927), (106, 11098),

Gene: Druantia_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Druantia_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Dublin_11 Start: 10230, Stop: 10739, Start Num: 32
Candidate Starts for Dublin_11:
(Start: 32 @10230 has 813 MA's), (45, 10320), (63, 10473), (71, 10515), (75, 10542), (80, 10563), (86, 10611),

Gene: DudeLittle_15 Start: 11717, Stop: 12229, Start Num: 32
Candidate Starts for DudeLittle_15:
(Start: 24 @11681 has 3 MA's), (Start: 31 @11696 has 20 MA's), (Start: 32 @11717 has 813 MA's), (73, 12005), (78, 12032), (95, 12170),

Gene: Dulcie_13 Start: 10710, Stop: 11222, Start Num: 32
Candidate Starts for Dulcie_13:
(13, 10509), (14, 10524), (Start: 32 @10710 has 813 MA's), (69, 10983), (91, 11121), (98, 11181), (103, 11199),

Gene: Duplo_18 Start: 11566, Stop: 12087, Start Num: 32
Candidate Starts for Duplo_18:
(Start: 24 @11530 has 3 MA's), (27, 11545), (Start: 32 @11566 has 813 MA's), (36, 11617), (75, 11881), (80, 11902), (102, 12061),

Gene: Dussy_15 Start: 11070, Stop: 11582, Start Num: 32
Candidate Starts for Dussy_15:
(Start: 32 @11070 has 813 MA's), (51, 11235), (69, 11343), (91, 11481), (98, 11541), (103, 11559),

Gene: DustyMartin_17 Start: 10772, Stop: 11293, Start Num: 32
Candidate Starts for DustyMartin_17:
(Start: 31 @10751 has 20 MA's), (Start: 32 @10772 has 813 MA's), (42, 10859),

Gene: Dynamix_15 Start: 11120, Stop: 11632, Start Num: 32
Candidate Starts for Dynamix_15:
(Start: 32 @11120 has 813 MA's), (69, 11393), (91, 11531), (98, 11591), (103, 11609),

Gene: EZMoney23_19 Start: 13587, Stop: 14105, Start Num: 32
Candidate Starts for EZMoney23_19:
(Start: 32 @13587 has 813 MA's), (37, 13638), (78, 13908), (95, 14046),

Gene: Eagle_13 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Eagle_13:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: EagleEye_17 Start: 11847, Stop: 12374, Start Num: 32
Candidate Starts for EagleEye_17:
(10, 11625), (Start: 32 @11847 has 813 MA's), (78, 12168), (82, 12204),

Gene: Eaglepride_15 Start: 10702, Stop: 11223, Start Num: 32
Candidate Starts for Eaglepride_15:
(Start: 31 @10681 has 20 MA's), (Start: 32 @10702 has 813 MA's), (90, 11116),

Gene: Eapen_14 Start: 10941, Stop: 11453, Start Num: 32
Candidate Starts for Eapen_14:
(Start: 32 @10941 has 813 MA's), (46, 11052), (89, 11340),

Gene: Ebony_15 Start: 12210, Stop: 12731, Start Num: 32
Candidate Starts for Ebony_15:
(28, 12189), (Start: 32 @12210 has 813 MA's), (36, 12261), (46, 12324), (73, 12510),

Gene: Echild_15 Start: 11720, Stop: 12232, Start Num: 32
Candidate Starts for Echild_15:
(Start: 24 @11684 has 3 MA's), (Start: 31 @11699 has 20 MA's), (Start: 32 @11720 has 813 MA's), (73, 12008), (78, 12035), (95, 12173),

Gene: Edison31_14 Start: 10731, Stop: 11252, Start Num: 32
Candidate Starts for Edison31_14:
(Start: 31 @10710 has 20 MA's), (Start: 32 @10731 has 813 MA's), (42, 10818),

Gene: EdogawaKiddo_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for EdogawaKiddo_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: Edtherson_15 Start: 11568, Stop: 12080, Start Num: 32
Candidate Starts for Edtherson_15:
(14, 11382), (Start: 32 @11568 has 813 MA's), (69, 11841), (91, 11979), (98, 12039), (103, 12057),

Gene: Eidsmoe_16 Start: 12297, Stop: 12830, Start Num: 32
Candidate Starts for Eidsmoe_16:
(Start: 32 @12297 has 813 MA's), (36, 12345), (50, 12459), (73, 12600), (75, 12615), (78, 12627), (102, 12795), (103, 12798),

Gene: ElTiger69_12 Start: 10089, Stop: 10601, Start Num: 32
Candidate Starts for ElTiger69_12:
(Start: 25 @10056 has 14 MA's), (Start: 32 @10089 has 813 MA's), (45, 10182), (71, 10377), (75, 10404), (86, 10473), (92, 10506), (101, 10572),

Gene: Elephantoon_16 Start: 11916, Stop: 12449, Start Num: 32
Candidate Starts for Elephantoon_16:
(Start: 32 @11916 has 813 MA's), (36, 11964), (50, 12078), (73, 12219), (75, 12234), (78, 12246), (102, 12414), (103, 12417),

Gene: Elle_15 Start: 10473, Stop: 10982, Start Num: 32
Candidate Starts for Elle_15:
(Start: 32 @10473 has 813 MA's), (36, 10515), (56, 10665), (78, 10791), (107, 10974),

Gene: EmyBug_16 Start: 12297, Stop: 12830, Start Num: 32
Candidate Starts for EmyBug_16:
(Start: 32 @12297 has 813 MA's), (36, 12345), (50, 12459), (73, 12600), (75, 12615), (78, 12627), (102, 12795), (103, 12798),

Gene: EnzoK_15 Start: 11302, Stop: 11814, Start Num: 32
Candidate Starts for EnzoK_15:
(13, 11101), (14, 11116), (Start: 32 @11302 has 813 MA's), (69, 11575), (91, 11713), (98, 11773), (103, 11791),

Gene: EpicPhail_16 Start: 11003, Stop: 11506, Start Num: 32
Candidate Starts for EpicPhail_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Epsocamisio_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for Epsocamisio_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Equemioh13_17 Start: 12101, Stop: 12625, Start Num: 32
Candidate Starts for Equemioh13_17:
(16, 11948), (Start: 24 @12065 has 3 MA's), (27, 12080), (Start: 32 @12101 has 813 MA's), (53, 12281), (73, 12401), (78, 12428), (95, 12566), (102, 12599), (104, 12608), (106, 12611),

Gene: EricB_18 Start: 11668, Stop: 12198, Start Num: 32
Candidate Starts for EricB_18:
(Start: 32 @11668 has 813 MA's), (48, 11812), (62, 11905), (63, 11917), (84, 12043),

Gene: Erik_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Erik_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Eris_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Eris_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Eros_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Eros_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Espica_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Espica_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Espresso_14 Start: 11163, Stop: 11675, Start Num: 32
Candidate Starts for Espresso_14:
(Start: 32 @11163 has 813 MA's), (51, 11328), (69, 11436), (91, 11574), (98, 11634), (103, 11652),

Gene: Et2Brutus_14 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Et2Brutus_14:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: EtoileNova_15 Start: 11096, Stop: 11605, Start Num: 32
Candidate Starts for EtoileNova_15:
(17, 10991), (Start: 32 @11096 has 813 MA's), (71, 11378), (78, 11417), (101, 11576),

Gene: Euphoria_14 Start: 11059, Stop: 11571, Start Num: 32
Candidate Starts for Euphoria_14:
(Start: 32 @11059 has 813 MA's), (51, 11224), (69, 11332), (91, 11470), (98, 11530), (103, 11548),

Gene: Eurydice_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Eurydice_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: EvilGenius_17 Start: 12028, Stop: 12540, Start Num: 32
Candidate Starts for EvilGenius_17:
(Start: 24 @11992 has 3 MA's), (Start: 31 @12007 has 20 MA's), (Start: 32 @12028 has 813 MA's), (73, 12316), (78, 12343), (80, 12352), (95, 12481), (102, 12514),

Gene: Expelliarmus_11 Start: 9808, Stop: 10314, Start Num: 33
Candidate Starts for Expelliarmus_11:
(Start: 33 @9808 has 9 MA's), (57, 10000), (64, 10057), (70, 10081), (75, 10114), (80, 10135), (94, 10240),

Gene: ExplosioNervosa_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for ExplosioNervosa_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: Eyeball_14 Start: 10807, Stop: 11319, Start Num: 32
Candidate Starts for Eyeball_14:
(9, 10561), (13, 10606), (14, 10621), (Start: 32 @10807 has 813 MA's), (69, 11080), (91, 11218), (98, 11278), (103, 11296),

Gene: Fajezeel_16 Start: 11383, Stop: 11895, Start Num: 32
Candidate Starts for Fajezeel_16:
(Start: 32 @11383 has 813 MA's), (69, 11656), (91, 11794), (98, 11854), (103, 11872),

Gene: Fameo_15 Start: 11633, Stop: 12145, Start Num: 32
Candidate Starts for Fameo_15:
(Start: 24 @11597 has 3 MA's), (Start: 31 @11612 has 20 MA's), (Start: 32 @11633 has 813 MA's), (73, 11921), (78, 11948), (95, 12086),

Gene: Farber_16 Start: 10996, Stop: 11499, Start Num: 32
Candidate Starts for Farber_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: Fascinus_13 Start: 10810, Stop: 11322, Start Num: 32
Candidate Starts for Fascinus_13:

(13, 10609), (14, 10624), (Start: 32 @10810 has 813 MA's), (69, 11083), (91, 11221), (98, 11281), (103, 11299),

Gene: FatCactus_13 Start: 9769, Stop: 10290, Start Num: 32
Candidate Starts for FatCactus_13:
(Start: 32 @9769 has 813 MA's), (35, 9811), (36, 9820), (48, 9910), (52, 9940), (102, 10261),

Gene: Fayely_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Fayely_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: Fenn_15 Start: 12374, Stop: 12886, Start Num: 32
Candidate Starts for Fenn_15:
(14, 12188), (Start: 32 @12374 has 813 MA's), (51, 12539), (69, 12647), (91, 12785), (98, 12845), (103, 12863),

Gene: Fernando_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Fernando_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Fibonacci_15 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Fibonacci_15:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: FiringLine_15 Start: 11565, Stop: 12077, Start Num: 32
Candidate Starts for FiringLine_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: First_0015 Start: 11599, Stop: 12150, Start Num: 26
Candidate Starts for First_0015:
(Start: 26 @11599 has 1 MA's), (Start: 31 @11614 has 20 MA's), (Start: 32 @11635 has 813 MA's), (43, 11713), (73, 11926), (78, 11953), (95, 12091),

Gene: Flare16_15 Start: 11659, Stop: 12183, Start Num: 32
Candidate Starts for Flare16_15:
(16, 11506), (Start: 24 @11623 has 3 MA's), (27, 11638), (Start: 32 @11659 has 813 MA's), (53, 11839), (73, 11959), (78, 11986), (95, 12124), (102, 12157), (104, 12166), (106, 12169),

Gene: Flaverint_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Flaverint_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Florean_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Florean_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Florence1_12 Start: 10051, Stop: 10560, Start Num: 32
Candidate Starts for Florence1_12:
(Start: 32 @10051 has 813 MA's), (45, 10141), (71, 10336), (75, 10363), (80, 10384), (86, 10432),

Gene: Florence4_13 Start: 10051, Stop: 10560, Start Num: 32
Candidate Starts for Florence4_13:
(Start: 32 @10051 has 813 MA's), (45, 10141), (71, 10336), (75, 10363), (80, 10384), (86, 10432),

Gene: Flux_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Flux_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: FlyCatcher_18 Start: 12563, Stop: 13072, Start Num: 32
Candidate Starts for FlyCatcher_18:
(23, 12518), (Start: 31 @12542 has 20 MA's), (Start: 32 @12563 has 813 MA's), (63, 12803), (77, 12881), (78, 12884), (87, 12947), (88, 12950),

Gene: ForGetIt_12 Start: 10107, Stop: 10616, Start Num: 32
Candidate Starts for ForGetIt_12:
(Start: 32 @10107 has 813 MA's), (45, 10197), (63, 10350), (71, 10392), (75, 10419), (80, 10440), (86, 10488),

Gene: ForesterFrank_17 Start: 13134, Stop: 13652, Start Num: 32
Candidate Starts for ForesterFrank_17:
(Start: 24 @13098 has 3 MA's), (28, 13113), (Start: 32 @13134 has 813 MA's), (40, 13203), (76, 13452), (95, 13596),

Gene: Forsytheast_13 Start: 11073, Stop: 11585, Start Num: 32
Candidate Starts for Forsytheast_13:
(Start: 32 @11073 has 813 MA's), (69, 11346), (91, 11484), (98, 11544), (103, 11562),

Gene: Francis47_14 Start: 11311, Stop: 11823, Start Num: 32
Candidate Starts for Francis47_14:
(9, 11065), (13, 11110), (14, 11125), (Start: 32 @11311 has 813 MA's), (69, 11584), (91, 11722), (98, 11782), (103, 11800),

Gene: Fred313_14 Start: 10249, Stop: 10773, Start Num: 32
Candidate Starts for Fred313_14:
(Start: 32 @10249 has 813 MA's), (53, 10426), (71, 10534), (78, 10573),

Gene: Froghopper_15 Start: 10752, Stop: 11264, Start Num: 32
Candidate Starts for Froghopper_15:
(Start: 32 @10752 has 813 MA's), (51, 10917), (69, 11025), (91, 11163), (98, 11223), (103, 11241),

Gene: Funston_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Funston_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Fushigi_15 Start: 11475, Stop: 11987, Start Num: 32
Candidate Starts for Fushigi_15:
(14, 11289), (Start: 32 @11475 has 813 MA's), (51, 11640), (69, 11748), (91, 11886), (98, 11946), (103, 11964),

Gene: GMonster_13 Start: 10679, Stop: 11191, Start Num: 32
Candidate Starts for GMonster_13:
(13, 10478), (14, 10493), (Start: 32 @10679 has 813 MA's), (51, 10844), (69, 10952), (91, 11090), (98, 11150), (103, 11168),

Gene: Gachnar_14 Start: 11094, Stop: 11606, Start Num: 32
Candidate Starts for Gachnar_14:
(9, 10848), (13, 10893), (14, 10908), (Start: 32 @11094 has 813 MA's), (69, 11367), (91, 11505), (98, 11565), (103, 11583),

Gene: Gadost_14 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for Gadost_14:
(Start: 32 @10943 has 813 MA's), (46, 11054), (89, 11342),

Gene: GageAP_16 Start: 11800, Stop: 12312, Start Num: 32
Candidate Starts for GageAP_16:
(Start: 32 @11800 has 813 MA's), (69, 12073), (91, 12211), (98, 12271), (103, 12289),

Gene: Gail_14 Start: 10686, Stop: 11198, Start Num: 32
Candidate Starts for Gail_14:
(Start: 32 @10686 has 813 MA's), (62, 10914), (87, 11070), (95, 11142),

Gene: Gandalf20_15 Start: 11867, Stop: 12379, Start Num: 32
Candidate Starts for Gandalf20_15:
(Start: 32 @11867 has 813 MA's), (69, 12140), (91, 12278), (98, 12338), (103, 12356),

Gene: Garak_19 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Garak_19:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: GaugeLDP_17 Start: 12926, Stop: 13450, Start Num: 32
Candidate Starts for GaugeLDP_17:
(Start: 32 @12926 has 813 MA's), (40, 12992), (48, 13064), (73, 13223), (84, 13295),

Gene: Gemma_16 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Gemma_16:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: George_11 Start: 10263, Stop: 10772, Start Num: 32
Candidate Starts for George_11:
(Start: 32 @10263 has 813 MA's), (45, 10353), (63, 10506), (71, 10548), (75, 10575), (80, 10596), (86, 10644),

Gene: Georgie2_16 Start: 11566, Stop: 12078, Start Num: 32
Candidate Starts for Georgie2_16:
(Start: 24 @11530 has 3 MA's), (Start: 31 @11545 has 20 MA's), (Start: 32 @11566 has 813 MA's), (73, 11854), (78, 11881), (95, 12019),

Gene: Ghoulboy_12 Start: 10340, Stop: 10849, Start Num: 32
Candidate Starts for Ghoulboy_12:
(Start: 32 @10340 has 813 MA's), (45, 10430), (63, 10583), (71, 10625), (75, 10652), (86, 10721),

Gene: Gilberta_15 Start: 12149, Stop: 12670, Start Num: 32
Candidate Starts for Gilberta_15:
(28, 12128), (Start: 32 @12149 has 813 MA's), (36, 12200), (46, 12263), (73, 12449),

Gene: GingkoMaracino_16 Start: 10889, Stop: 11392, Start Num: 32
Candidate Starts for GingkoMaracino_16:
(Start: 25 @10853 has 14 MA's), (Start: 31 @10868 has 20 MA's), (Start: 32 @10889 has 813 MA's), (54, 11066), (75, 11198), (78, 11210),

Gene: Giroux_15 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for Giroux_15:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: Gladiator_18 Start: 11655, Stop: 12176, Start Num: 32
Candidate Starts for Gladiator_18:
(17, 11559), (Start: 32 @11655 has 813 MA's), (37, 11703), (48, 11790), (63, 11895), (84, 12021),

Gene: Gollum_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Gollum_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Gompeii16_14 Start: 11271, Stop: 11783, Start Num: 32
Candidate Starts for Gompeii16_14:
(13, 11070), (14, 11085), (Start: 32 @11271 has 813 MA's), (51, 11436), (69, 11544), (91, 11682), (98, 11742), (103, 11760),

Gene: Goose_14 Start: 10703, Stop: 11224, Start Num: 32
Candidate Starts for Goose_14:
(Start: 31 @10682 has 20 MA's), (Start: 32 @10703 has 813 MA's), (90, 11117),

Gene: Goose1D_14 Start: 9796, Stop: 10320, Start Num: 32
Candidate Starts for Goose1D_14:
(Start: 32 @9796 has 813 MA's), (53, 9973), (71, 10081), (78, 10120),

Gene: Goose1X_14 Start: 9868, Stop: 10392, Start Num: 32
Candidate Starts for Goose1X_14:
(Start: 32 @9868 has 813 MA's), (53, 10045), (71, 10153), (78, 10192),

Gene: Graduation_16 Start: 11833, Stop: 12345, Start Num: 32
Candidate Starts for Graduation_16:
(13, 11632), (14, 11647), (Start: 32 @11833 has 813 MA's), (69, 12106), (91, 12244), (98, 12304), (103, 12322),

Gene: Gratitude_17 Start: 12101, Stop: 12625, Start Num: 32
Candidate Starts for Gratitude_17:
(16, 11948), (Start: 24 @12065 has 3 MA's), (27, 12080), (Start: 32 @12101 has 813 MA's), (53, 12281), (73, 12401), (78, 12428), (95, 12566), (102, 12599), (104, 12608), (106, 12611),

Gene: GrecoEtereo_15 Start: 11371, Stop: 11883, Start Num: 32
Candidate Starts for GrecoEtereo_15:
(13, 11170), (14, 11185), (Start: 32 @11371 has 813 MA's), (51, 11536), (69, 11644), (91, 11782), (98, 11842), (103, 11860),

Gene: GreedyLawyer_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for GreedyLawyer_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: Greg_16 Start: 11383, Stop: 11895, Start Num: 32
Candidate Starts for Greg_16:
(Start: 32 @11383 has 813 MA's), (69, 11656), (91, 11794), (98, 11854), (103, 11872),

Gene: Grif_16 Start: 11086, Stop: 11589, Start Num: 32
Candidate Starts for Grif_16:
(Start: 25 @11050 has 14 MA's), (Start: 31 @11065 has 20 MA's), (Start: 32 @11086 has 813 MA's), (54, 11263), (75, 11395), (78, 11407),

Gene: GroundGoblin_15 Start: 11622, Stop: 12134, Start Num: 32
Candidate Starts for GroundGoblin_15:
(Start: 32 @11622 has 813 MA's), (51, 11787), (69, 11895), (91, 12033), (98, 12093), (103, 12111),

Gene: Groundhog_11 Start: 9809, Stop: 10315, Start Num: 33
Candidate Starts for Groundhog_11:
(Start: 33 @9809 has 9 MA's), (57, 10001), (64, 10058), (70, 10082), (75, 10115), (80, 10136), (94, 10241),

Gene: Groupthink_17 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Groupthink_17:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Grub_16 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for Grub_16:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: Grum1_16 Start: 10960, Stop: 11499, Start Num: 25
Candidate Starts for Grum1_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: Gruunaga_18 Start: 11655, Stop: 12176, Start Num: 32
Candidate Starts for Gruunaga_18:
(17, 11559), (Start: 32 @11655 has 813 MA's), (37, 11703), (48, 11790), (63, 11895), (84, 12021),

Gene: GtownJaz_16 Start: 11004, Stop: 11507, Start Num: 32
Candidate Starts for GtownJaz_16:
(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: Gwendoluna_16 Start: 12253, Stop: 12765, Start Num: 32
Candidate Starts for Gwendoluna_16:
(Start: 32 @12253 has 813 MA's), (69, 12526), (91, 12664), (98, 12724), (103, 12742),

Gene: Gwennie_16 Start: 11003, Stop: 11506, Start Num: 32
Candidate Starts for Gwennie_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Gyzlar_16 Start: 12014, Stop: 12526, Start Num: 32

Candidate Starts for Gyzlar_16:
(13, 11813), (14, 11828), (Start: 32 @12014 has 813 MA's), (51, 12179), (69, 12287), (91, 12425), (98, 12485), (103, 12503),

Gene: HINdeR_14 Start: 12384, Stop: 12887, Start Num: 32
Candidate Starts for HINdeR_14:
(Start: 32 @12384 has 813 MA's), (43, 12456), (46, 12483), (78, 12696), (84, 12741), (87, 12759), (99, 12852), (100, 12855), (101, 12861),

Gene: HamSlice_13 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for HamSlice_13:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Hami1_16 Start: 11455, Stop: 11967, Start Num: 32
Candidate Starts for Hami1_16:
(Start: 32 @11455 has 813 MA's), (69, 11728), (91, 11866), (98, 11926), (103, 11944),

Gene: Hammer_18 Start: 11655, Stop: 12176, Start Num: 32
Candidate Starts for Hammer_18:
(17, 11559), (Start: 32 @11655 has 813 MA's), (37, 11703), (48, 11790), (63, 11895), (84, 12021),

Gene: HanShotFirst_14 Start: 10675, Stop: 11187, Start Num: 32
Candidate Starts for HanShotFirst_14:
(Start: 32 @10675 has 813 MA's), (69, 10948), (91, 11086), (98, 11146), (103, 11164),

Gene: Hanray_16 Start: 12303, Stop: 12836, Start Num: 32
Candidate Starts for Hanray_16:
(Start: 32 @12303 has 813 MA's), (36, 12351), (50, 12465), (73, 12606), (75, 12621), (78, 12633), (102, 12801), (103, 12804),

Gene: Happiness_14 Start: 10945, Stop: 11457, Start Num: 32
Candidate Starts for Happiness_14:
(Start: 25 @10912 has 14 MA's), (Start: 32 @10945 has 813 MA's), (46, 11056), (80, 11278), (89, 11344),

Gene: Harlequin_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Harlequin_11:
(Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: HarryHoudini_17 Start: 12116, Stop: 12640, Start Num: 32
Candidate Starts for HarryHoudini_17:
(Start: 24 @12080 has 3 MA's), (27, 12095), (Start: 32 @12116 has 813 MA's), (64, 12377), (95, 12581), (102, 12614),

Gene: HarryOW_15 Start: 11371, Stop: 11883, Start Num: 32
Candidate Starts for HarryOW_15:
(13, 11170), (14, 11185), (Start: 32 @11371 has 813 MA's), (51, 11536), (69, 11644), (91, 11782), (98, 11842), (103, 11860),

Gene: HashRod_17 Start: 11087, Stop: 11590, Start Num: 32
Candidate Starts for HashRod_17:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: HaveUMetTed_17 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for HaveUMetTed_17:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (71, 11357), (75, 11384), (78, 11396),

Gene: Heathen_14 Start: 10347, Stop: 10868, Start Num: 32
Candidate Starts for Heathen_14:
(Start: 32 @10347 has 813 MA's), (53, 10521), (71, 10629), (78, 10668), (106, 10839),

Gene: Heffalump_17 Start: 13435, Stop: 13947, Start Num: 32
Candidate Starts for Heffalump_17:
(Start: 24 @13396 has 3 MA's), (Start: 31 @13414 has 20 MA's), (Start: 32 @13435 has 813 MA's), (73, 13723), (78, 13750), (95, 13888),

Gene: HelDan_14 Start: 10599, Stop: 11120, Start Num: 32
Candidate Starts for HelDan_14:
(Start: 32 @10599 has 813 MA's), (53, 10773), (71, 10881), (78, 10920), (106, 11091),

Gene: Heliosoles_16 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Heliosoles_16:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Helmet_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Helmet_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: Herbertwm_13 Start: 10459, Stop: 10968, Start Num: 32
Candidate Starts for Herbertwm_13:
(21, 10414), (Start: 32 @10459 has 813 MA's), (52, 10624), (102, 10945), (103, 10948),

Gene: Hercules11_16 Start: 10989, Stop: 11513, Start Num: 31
Candidate Starts for Hercules11_16:
(Start: 25 @10974 has 14 MA's), (Start: 31 @10989 has 20 MA's), (Start: 32 @11010 has 813 MA's), (54, 11187), (75, 11319), (78, 11331),

Gene: Hermia_16 Start: 11814, Stop: 12326, Start Num: 32
Candidate Starts for Hermia_16:
(Start: 32 @11814 has 813 MA's), (51, 11979), (69, 12087), (91, 12225), (98, 12285), (103, 12303),

Gene: HermioneGrange_14 Start: 10785, Stop: 11297, Start Num: 32
Candidate Starts for HermioneGrange_14:
(Start: 32 @10785 has 813 MA's), (51, 10950), (69, 11058), (91, 11196), (98, 11256), (103, 11274),

Gene: Hexamo_18 Start: 11636, Stop: 12157, Start Num: 32
Candidate Starts for Hexamo_18:
(17, 11540), (Start: 32 @11636 has 813 MA's), (37, 11684), (48, 11771), (62, 11864), (63, 11876), (84, 12002),

Gene: HippoHollow_16 Start: 13369, Stop: 13890, Start Num: 32
Candidate Starts for HippoHollow_16:

(Start: 24 @13333 has 3 MA's), (Start: 31 @13348 has 20 MA's), (Start: 32 @13369 has 813 MA's), (73, 13666), (78, 13693), (95, 13831),

Gene: Hiro_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Hiro_11:
(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: Holex_16 Start: 12303, Stop: 12836, Start Num: 32
Candidate Starts for Holex_16:
(Start: 32 @12303 has 813 MA's), (36, 12351), (50, 12465), (73, 12606), (75, 12621), (78, 12633), (102, 12801), (103, 12804),

Gene: Holli_14 Start: 10732, Stop: 11244, Start Num: 32
Candidate Starts for Holli_14:
(Start: 32 @10732 has 813 MA's), (46, 10843), (89, 11131),

Gene: Homines_14 Start: 11090, Stop: 11602, Start Num: 32
Candidate Starts for Homines_14:
(13, 10889), (14, 10904), (Start: 32 @11090 has 813 MA's), (51, 11255), (69, 11363), (91, 11501), (98, 11561), (103, 11579),

Gene: Hookmount_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Hookmount_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Hoot_18 Start: 11656, Stop: 12186, Start Num: 32
Candidate Starts for Hoot_18:
(Start: 32 @11656 has 813 MA's), (48, 11800), (62, 11893), (63, 11905), (84, 12031),

Gene: Hope4ever_14 Start: 11192, Stop: 11704, Start Num: 32
Candidate Starts for Hope4ever_14:
(14, 11006), (Start: 32 @11192 has 813 MA's), (51, 11357), (69, 11465), (91, 11603), (98, 11663), (103, 11681),

Gene: HortumSL17_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for HortumSL17_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: Houdini22_14 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for Houdini22_14:
(Start: 32 @10943 has 813 MA's), (46, 11054), (89, 11342),

Gene: HuhtaEnerson15_12 Start: 10263, Stop: 10772, Start Num: 32
Candidate Starts for HuhtaEnerson15_12:
(Start: 32 @10263 has 813 MA's), (45, 10353), (63, 10506), (71, 10548), (75, 10575), (80, 10596), (86, 10644),

Gene: Hum25_5 Start: 4509, Stop: 4997, Start Num: 32
Candidate Starts for Hum25_5:
(22, 4467), (Start: 32 @4509 has 813 MA's), (72, 4782), (74, 4800), (88, 4881), (99, 4962),

Gene: Hutc2_15 Start: 12155, Stop: 12676, Start Num: 32

Candidate Starts for Hutc2_15:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: Huxley_14 Start: 11003, Stop: 11515, Start Num: 32
Candidate Starts for Huxley_14:
(Start: 32 @11003 has 813 MA's), (46, 11114), (89, 11402),

Gene: ICleared_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for ICleared_14:
(4, 10649), (12, 10739), (Start: 32 @10940 has 813 MA's), (46, 11051), (73, 11237), (89, 11339),

Gene: ILeeKay_16 Start: 11244, Stop: 11756, Start Num: 32
Candidate Starts for ILeeKay_16:
(14, 11058), (Start: 32 @11244 has 813 MA's), (69, 11517), (91, 11655), (98, 11715), (103, 11733),

Gene: Iceman_14 Start: 10941, Stop: 11453, Start Num: 32
Candidate Starts for Iceman_14:
(Start: 25 @10908 has 14 MA's), (Start: 32 @10941 has 813 MA's), (46, 11052), (73, 11238), (89, 11340),

Gene: Ichabod_15 Start: 11096, Stop: 11608, Start Num: 32
Candidate Starts for Ichabod_15:
(13, 10895), (14, 10910), (Start: 32 @11096 has 813 MA's), (51, 11261), (69, 11369), (91, 11507), (98, 11567), (103, 11585),

Gene: Idleandcovert_14 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for Idleandcovert_14:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: IgnatiusPatJac_13 Start: 11070, Stop: 11582, Start Num: 32
Candidate Starts for IgnatiusPatJac_13:
(13, 10869), (14, 10884), (Start: 32 @11070 has 813 MA's), (69, 11343), (91, 11481), (98, 11541), (103, 11559),

Gene: Imbriano_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for Imbriano_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: Indra_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Indra_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: Insomnia_15 Start: 12204, Stop: 12725, Start Num: 32
Candidate Starts for Insomnia_15:
(28, 12183), (Start: 32 @12204 has 813 MA's), (36, 12255), (46, 12318), (73, 12504),

Gene: Inyanga_13 Start: 10858, Stop: 11370, Start Num: 32
Candidate Starts for Inyanga_13:
(Start: 32 @10858 has 813 MA's), (51, 11023), (69, 11131), (91, 11269), (98, 11329), (103, 11347),

Gene: Iqorha_13 Start: 10858, Stop: 11370, Start Num: 32
Candidate Starts for Iqorha_13:

(Start: 32 @10858 has 813 MA's), (51, 11023), (69, 11131), (91, 11269), (98, 11329), (103, 11347),

Gene: Iracema64_14 Start: 10917, Stop: 11429, Start Num: 32
Candidate Starts for Iracema64_14:
(4, 10626), (12, 10716), (Start: 25 @10884 has 14 MA's), (Start: 32 @10917 has 813 MA's), (46, 11028), (89, 11316),

Gene: IronMan_17 Start: 13320, Stop: 13829, Start Num: 32
Candidate Starts for IronMan_17:
(Start: 32 @13320 has 813 MA's), (73, 13608), (78, 13635), (95, 13773),

Gene: Isca_14 Start: 10383, Stop: 10943, Start Num: 25
Candidate Starts for Isca_14:
(Start: 25 @10383 has 14 MA's), (Start: 32 @10419 has 813 MA's), (53, 10596), (71, 10704), (78, 10743),

Gene: Isiphiwo_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Isiphiwo_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Iwokeuplikedis_15 Start: 11360, Stop: 11884, Start Num: 32
Candidate Starts for Iwokeuplikedis_15:
(Start: 32 @11360 has 813 MA's), (75, 11675), (100, 11849), (102, 11858),

Gene: JC27_16 Start: 11696, Stop: 12208, Start Num: 32
Candidate Starts for JC27_16:
(13, 11495), (14, 11510), (Start: 32 @11696 has 813 MA's), (51, 11861), (69, 11969), (91, 12107), (98, 12167), (103, 12185),

Gene: JF2_14 Start: 10184, Stop: 10708, Start Num: 32
Candidate Starts for JF2_14:
(Start: 25 @10148 has 14 MA's), (Start: 32 @10184 has 813 MA's), (53, 10361), (71, 10469), (78, 10508),

Gene: JF4_14 Start: 10184, Stop: 10708, Start Num: 32
Candidate Starts for JF4_14:
(Start: 25 @10148 has 14 MA's), (Start: 32 @10184 has 813 MA's), (53, 10361), (71, 10469), (78, 10508),

Gene: JHC117_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for JHC117_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: JSwag_17 Start: 10739, Stop: 11248, Start Num: 32
Candidate Starts for JSwag_17:
(Start: 32 @10739 has 813 MA's),

Gene: Jaan_18 Start: 13710, Stop: 14219, Start Num: 32
Candidate Starts for Jaan_18:
(Start: 32 @13710 has 813 MA's), (73, 13998), (78, 14025), (95, 14163),

Gene: Jabiru_12 Start: 10140, Stop: 10652, Start Num: 32

Candidate Starts for Jabiru_12:
(Start: 25 @10107 has 14 MA's), (Start: 32 @10140 has 813 MA's), (45, 10233), (71, 10428), (75, 10455), (86, 10524), (92, 10557), (101, 10623),

Gene: Jabith_15 Start: 12204, Stop: 12725, Start Num: 32
Candidate Starts for Jabith_15:
(28, 12183), (Start: 32 @12204 has 813 MA's), (36, 12255), (46, 12318), (73, 12504),

Gene: JackSparrow_15 Start: 11412, Stop: 11924, Start Num: 32
Candidate Starts for JackSparrow_15:
(13, 11211), (14, 11226), (Start: 32 @11412 has 813 MA's), (51, 11577), (69, 11685), (91, 11823), (98, 11883), (103, 11901),

Gene: Jasper_15 Start: 10907, Stop: 11419, Start Num: 32
Candidate Starts for Jasper_15:
(Start: 32 @10907 has 813 MA's), (51, 11072), (69, 11180), (91, 11318), (98, 11378), (103, 11396),

Gene: Jaykayelowell_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Jaykayelowell_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Jeeves_14 Start: 10699, Stop: 11211, Start Num: 32
Candidate Starts for Jeeves_14:
(Start: 32 @10699 has 813 MA's), (62, 10924), (87, 11080), (95, 11152),

Gene: Jeffabunny_18 Start: 11680, Stop: 12210, Start Num: 32
Candidate Starts for Jeffabunny_18:
(Start: 32 @11680 has 813 MA's), (48, 11824), (62, 11917), (63, 11929), (84, 12055),

Gene: JenCasNa_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for JenCasNa_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: JeppNRM_17 Start: 11073, Stop: 11576, Start Num: 32
Candidate Starts for JeppNRM_17:
(Start: 25 @11037 has 14 MA's), (Start: 31 @11052 has 20 MA's), (Start: 32 @11073 has 813 MA's), (54, 11250), (75, 11382), (78, 11394),

Gene: Jerm_17 Start: 12028, Stop: 12555, Start Num: 32
Candidate Starts for Jerm_17:
(Start: 32 @12028 has 813 MA's), (73, 12328), (75, 12343), (95, 12496), (102, 12529),

Gene: Jerm2_15 Start: 11285, Stop: 11797, Start Num: 32
Candidate Starts for Jerm2_15:
(13, 11084), (14, 11099), (Start: 32 @11285 has 813 MA's), (51, 11450), (69, 11558), (91, 11696), (98, 11756), (103, 11774),

Gene: Jester_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Jester_11:
(Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: JetBlade_14 Start: 10939, Stop: 11451, Start Num: 32

Candidate Starts for JetBlade_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: JewelBug_18 Start: 11678, Stop: 12208, Start Num: 32
Candidate Starts for JewelBug_18:
(Start: 32 @11678 has 813 MA's), (48, 11822), (62, 11915), (63, 11927), (84, 12053),

Gene: Jiawan_16 Start: 12303, Stop: 12836, Start Num: 32
Candidate Starts for Jiawan_16:
(Start: 32 @12303 has 813 MA's), (36, 12351), (50, 12465), (73, 12606), (75, 12621), (78, 12633), (102, 12801), (103, 12804),

Gene: Jobu08_16 Start: 11051, Stop: 11575, Start Num: 31
Candidate Starts for Jobu08_16:
(Start: 25 @11036 has 14 MA's), (Start: 31 @11051 has 20 MA's), (Start: 32 @11072 has 813 MA's), (54, 11249), (75, 11381), (78, 11393),

Gene: JoongJeon_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for JoongJeon_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Jordennis_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Jordennis_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Jorgensen_14 Start: 10868, Stop: 11380, Start Num: 32
Candidate Starts for Jorgensen_14:
(Start: 32 @10868 has 813 MA's), (69, 11141), (91, 11279), (98, 11339), (103, 11357),

Gene: Joselito_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Joselito_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: JoshKayV_17 Start: 12035, Stop: 12559, Start Num: 32
Candidate Starts for JoshKayV_17:
(Start: 32 @12035 has 813 MA's), (64, 12296), (102, 12533),

Gene: Journey13_13 Start: 10712, Stop: 11236, Start Num: 32
Candidate Starts for Journey13_13:
(Start: 32 @10712 has 813 MA's), (40, 10778), (63, 10955), (84, 11081), (100, 11198),

Gene: Jovo_12 Start: 10372, Stop: 10881, Start Num: 32
Candidate Starts for Jovo_12:
(Start: 32 @10372 has 813 MA's), (45, 10462), (63, 10615), (71, 10657), (75, 10684), (80, 10705), (86, 10753),

Gene: Jsquared_14 Start: 10477, Stop: 11001, Start Num: 32
Candidate Starts for Jsquared_14:
(3, 10186), (5, 10198), (Start: 32 @10477 has 813 MA's), (36, 10528), (48, 10618), (52, 10648), (75, 10792), (80, 10813), (95, 10942), (102, 10975),

Gene: JuliaChild_16 Start: 11543, Stop: 12055, Start Num: 32
Candidate Starts for JuliaChild_16:

(13, 11342), (14, 11357), (Start: 32 @11543 has 813 MA's), (51, 11708), (69, 11816), (91, 11954), (98, 12014), (103, 12032),

Gene: Junimo_13 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Junimo_13:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: KADY_17 Start: 11087, Stop: 11590, Start Num: 32
Candidate Starts for KADY_17:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: KBG_15 Start: 11976, Stop: 12488, Start Num: 32
Candidate Starts for KBG_15:
(Start: 32 @11976 has 813 MA's), (69, 12249), (91, 12387), (98, 12447), (103, 12465),

Gene: KFPoly_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for KFPoly_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: KSSJEB_14 Start: 10881, Stop: 11393, Start Num: 32
Candidate Starts for KSSJEB_14:
(13, 10680), (14, 10695), (Start: 32 @10881 has 813 MA's), (51, 11046), (69, 11154), (91, 11292), (98, 11352), (103, 11370),

Gene: Kachowdy_14 Start: 10599, Stop: 11120, Start Num: 32
Candidate Starts for Kachowdy_14:
(Start: 32 @10599 has 813 MA's), (53, 10773), (71, 10881), (78, 10920), (106, 11091),

Gene: Kalb97_17 Start: 11073, Stop: 11576, Start Num: 32
Candidate Starts for Kalb97_17:
(Start: 25 @11037 has 14 MA's), (Start: 31 @11052 has 20 MA's), (Start: 32 @11073 has 813 MA's), (54, 11250), (75, 11382), (78, 11394),

Gene: Kalnoky_17 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Kalnoky_17:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Kalpine_18 Start: 13392, Stop: 13916, Start Num: 32
Candidate Starts for Kalpine_18:
(28, 13371), (Start: 32 @13392 has 813 MA's), (40, 13461), (63, 13638), (95, 13857),

Gene: Kampy_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Kampy_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Kanely_15 Start: 11652, Stop: 12164, Start Num: 32
Candidate Starts for Kanely_15:
(Start: 32 @11652 has 813 MA's), (69, 11925), (91, 12063), (98, 12123), (103, 12141),

Gene: Katalie136_14 Start: 10949, Stop: 11461, Start Num: 32
Candidate Starts for Katalie136_14:

(Start: 25 @10916 has 14 MA's), (Start: 32 @10949 has 813 MA's), (46, 11060), (61, 11171), (89, 11348),

Gene: KatherineG_17 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for KatherineG_17:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: Kazan_18 Start: 11683, Stop: 12213, Start Num: 32
Candidate Starts for Kazan_18:
(Start: 32 @11683 has 813 MA's), (48, 11827), (62, 11920), (63, 11932), (84, 12058),

Gene: KekoraPapaka_13 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for KekoraPapaka_13:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Kenmech_17 Start: 12156, Stop: 12668, Start Num: 32
Candidate Starts for Kenmech_17:
(Start: 32 @12156 has 813 MA's), (51, 12321), (69, 12429), (91, 12567), (98, 12627), (103, 12645),

Gene: Kerberos_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for Kerberos_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: Keziacharles14_14 Start: 10434, Stop: 10949, Start Num: 32
Candidate Starts for Keziacharles14_14:
(Start: 32 @10434 has 813 MA's), (40, 10485), (63, 10668), (78, 10749), (87, 10812), (100, 10908), (102, 10917), (103, 10920),

Gene: KikiBouba_16 Start: 11623, Stop: 12135, Start Num: 32
Candidate Starts for KikiBouba_16:
(Start: 32 @11623 has 813 MA's), (51, 11788), (69, 11896), (91, 12034), (98, 12094), (103, 12112),

Gene: Killigrew_12 Start: 10517, Stop: 11029, Start Num: 32
Candidate Starts for Killigrew_12:
(Start: 32 @10517 has 813 MA's), (69, 10790), (91, 10928), (98, 10988), (103, 11006),

Gene: Kimba_15 Start: 12204, Stop: 12725, Start Num: 32
Candidate Starts for Kimba_15:
(28, 12183), (Start: 32 @12204 has 813 MA's), (36, 12255), (46, 12318), (73, 12504),

Gene: Kimona_11 Start: 8311, Stop: 8856, Start Num: 25
Candidate Starts for Kimona_11:
(Start: 25 @8311 has 14 MA's), (Start: 32 @8344 has 813 MA's), (50, 8500), (53, 8521), (57, 8545), (68, 8617), (100, 8824),

Gene: KingCyrus_17 Start: 12018, Stop: 12530, Start Num: 32
Candidate Starts for KingCyrus_17:
(Start: 24 @11982 has 3 MA's), (Start: 31 @11997 has 20 MA's), (Start: 32 @12018 has 813 MA's), (73, 12306), (78, 12333), (80, 12342), (95, 12471), (102, 12504),

Gene: Kingmustik0402_14 Start: 10931, Stop: 11443, Start Num: 32
Candidate Starts for Kingmustik0402_14:

(Start: 32 @10931 has 813 MA's), (46, 11042), (89, 11330),

Gene: Kinmap_14 Start: 11474, Stop: 11998, Start Num: 32
Candidate Starts for Kinmap_14:
(Start: 32 @11474 has 813 MA's), (45, 11591), (51, 11654), (53, 11666), (73, 11786), (80, 11822), (95, 11939),

Gene: Kipper29_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for Kipper29_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: KittenMittens_13 Start: 8814, Stop: 9335, Start Num: 32
Candidate Starts for KittenMittens_13:
(Start: 31 @8793 has 20 MA's), (Start: 32 @8814 has 813 MA's), (53, 9000),

Gene: Klodlith_15 Start: 10498, Stop: 11028, Start Num: 32
Candidate Starts for Klodlith_15:
(Start: 31 @10477 has 20 MA's), (Start: 32 @10498 has 813 MA's), (36, 10549), (40, 10567), (62, 10732), (78, 10825),

Gene: Koan_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Koan_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Koduck_16 Start: 10789, Stop: 11310, Start Num: 32
Candidate Starts for Koduck_16:
(Start: 24 @10753 has 3 MA's), (27, 10768), (Start: 32 @10789 has 813 MA's), (40, 10852), (48, 10924), (53, 10963), (63, 11029), (73, 11083), (84, 11155),

Gene: Koko_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Koko_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (63, 11921), (84, 12047),

Gene: Koreni_13 Start: 10588, Stop: 11100, Start Num: 32
Candidate Starts for Koreni_13:
(Start: 32 @10588 has 813 MA's), (46, 10699), (89, 10987),

Gene: Kratark_14 Start: 10934, Stop: 11446, Start Num: 32
Candidate Starts for Kratark_14:
(Start: 32 @10934 has 813 MA's), (46, 11045), (89, 11333),

Gene: Kremtemulon_14 Start: 10987, Stop: 11499, Start Num: 32
Candidate Starts for Kremtemulon_14:
(Start: 32 @10987 has 813 MA's), (46, 11098), (89, 11386),

Gene: Krishelle_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Krishelle_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (87, 7572),

Gene: Kristoff_15 Start: 10882, Stop: 11403, Start Num: 32
Candidate Starts for Kristoff_15:
(Start: 31 @10861 has 20 MA's), (Start: 32 @10882 has 813 MA's), (42, 10969),

Gene: Kugel_15 Start: 11145, Stop: 11642, Start Num: 32
Candidate Starts for Kugel_15:
(Start: 32 @11145 has 813 MA's), (62, 11361), (63, 11373), (80, 11463), (93, 11550), (96, 11592), (100, 11610),

Gene: KyMonks1A_16 Start: 11387, Stop: 11899, Start Num: 32
Candidate Starts for KyMonks1A_16:
(14, 11201), (Start: 32 @11387 has 813 MA's), (69, 11660), (91, 11798), (98, 11858), (103, 11876),

Gene: Kyee_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Kyee_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Kykar_12 Start: 10642, Stop: 11139, Start Num: 32
Candidate Starts for Kykar_12:
(Start: 32 @10642 has 813 MA's), (62, 10858), (63, 10870), (80, 10960), (93, 11047), (96, 11089), (100, 11107),

Gene: L5_16 Start: 10797, Stop: 11318, Start Num: 32
Candidate Starts for L5_16:
(Start: 24 @10761 has 3 MA's), (27, 10776), (Start: 32 @10797 has 813 MA's), (40, 10860), (48, 10932), (53, 10971), (63, 11037), (73, 11091), (84, 11163),

Gene: LBerry_16 Start: 11003, Stop: 11506, Start Num: 32
Candidate Starts for LBerry_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: LHTSCC_14 Start: 10917, Stop: 11429, Start Num: 32
Candidate Starts for LHTSCC_14:
(Start: 25 @10884 has 14 MA's), (Start: 32 @10917 has 813 MA's), (46, 11028), (80, 11250), (89, 11316),

Gene: LadyBird_15 Start: 11551, Stop: 12099, Start Num: 26
Candidate Starts for LadyBird_15:
(Start: 26 @11551 has 1 MA's), (Start: 31 @11566 has 20 MA's), (Start: 32 @11587 has 813 MA's), (43, 11665), (73, 11878), (87, 11968), (95, 12040),

Gene: Lambert1_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Lambert1_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Lamina13_14 Start: 10663, Stop: 11175, Start Num: 32
Candidate Starts for Lamina13_14:
(Start: 32 @10663 has 813 MA's), (69, 10936), (91, 11074), (98, 11134), (103, 11152),

Gene: Landor_16 Start: 13362, Stop: 13871, Start Num: 32
Candidate Starts for Landor_16:
(Start: 32 @13362 has 813 MA's), (53, 13530), (73, 13650), (78, 13677), (95, 13815),

Gene: LappelDuVide_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for LappelDuVide_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Larenn_16 Start: 11884, Stop: 12414, Start Num: 32
Candidate Starts for Larenn_16:
(16, 11731), (Start: 24 @11848 has 3 MA's), (27, 11863), (Start: 32 @11884 has 813 MA's), (63, 12130), (75, 12199), (80, 12220), (95, 12355), (102, 12388), (104, 12397), (106, 12400),

Gene: LarryKay_16 Start: 11089, Stop: 11592, Start Num: 32
Candidate Starts for LarryKay_16:
(Start: 25 @11053 has 14 MA's), (Start: 31 @11068 has 20 MA's), (Start: 32 @11089 has 813 MA's), (54, 11266), (75, 11398), (78, 11410),

Gene: LastResort_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for LastResort_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Lemur_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Lemur_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (73, 11236), (89, 11338),

Gene: LeoAvram_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for LeoAvram_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Leogania_17 Start: 13755, Stop: 14273, Start Num: 32
Candidate Starts for Leogania_17:
(Start: 24 @13719 has 3 MA's), (Start: 31 @13734 has 20 MA's), (Start: 32 @13755 has 813 MA's), (73, 14052), (78, 14079), (95, 14214),

Gene: Lesedi_13 Start: 10821, Stop: 11333, Start Num: 32
Candidate Starts for Lesedi_13:
(Start: 32 @10821 has 813 MA's), (51, 10986), (69, 11094), (91, 11232), (98, 11292), (103, 11310),

Gene: Lev2_12 Start: 10081, Stop: 10593, Start Num: 32
Candidate Starts for Lev2_12:
(18, 9982), (Start: 25 @10048 has 14 MA's), (Start: 32 @10081 has 813 MA's), (45, 10174), (71, 10369), (75, 10396), (86, 10465), (92, 10498), (101, 10564),

Gene: Levia_14 Start: 11850, Stop: 12362, Start Num: 32
Candidate Starts for Levia_14:
(9, 11604), (13, 11649), (14, 11664), (Start: 32 @11850 has 813 MA's), (69, 12123), (91, 12261), (98, 12321), (103, 12339),

Gene: Leviathan_17 Start: 12060, Stop: 12587, Start Num: 32
Candidate Starts for Leviathan_17:
(Start: 32 @12060 has 813 MA's), (73, 12360), (75, 12375), (95, 12528), (102, 12561),

Gene: Licorice_16 Start: 11679, Stop: 12191, Start Num: 32
Candidate Starts for Licorice_16:
(Start: 32 @11679 has 813 MA's), (51, 11844), (69, 11952), (91, 12090), (98, 12150), (103, 12168),

Gene: LilBib_15 Start: 11622, Stop: 12134, Start Num: 32
Candidate Starts for LilBib_15:

(13, 11421), (14, 11436), (Start: 32 @11622 has 813 MA's), (69, 11895), (91, 12033), (98, 12093), (103, 12111),

Gene: LilTurb_17 Start: 12087, Stop: 12614, Start Num: 32
Candidate Starts for LilTurb_17:
(Start: 32 @12087 has 813 MA's), (73, 12387), (75, 12402), (95, 12555), (102, 12588),

Gene: Lilbunny_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for Lilbunny_18:
(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: Lilith_16 Start: 10996, Stop: 11499, Start Num: 32
Candidate Starts for Lilith_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: Lilleskat_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for Lilleskat_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: Lillie_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Lillie_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: LionsBait_16 Start: 13363, Stop: 13884, Start Num: 32
Candidate Starts for LionsBait_16:
(Start: 24 @13327 has 3 MA's), (Start: 31 @13342 has 20 MA's), (Start: 32 @13363 has 813 MA's), (73, 13660), (78, 13687), (95, 13825),

Gene: LittleB_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for LittleB_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: LittleCherry_12 Start: 10264, Stop: 10773, Start Num: 32
Candidate Starts for LittleCherry_12:
(Start: 32 @10264 has 813 MA's), (45, 10354), (63, 10507), (71, 10549), (75, 10576), (80, 10597), (86, 10645),

Gene: LittleGuy_14 Start: 10885, Stop: 11397, Start Num: 32
Candidate Starts for LittleGuy_14:
(Start: 32 @10885 has 813 MA's), (46, 10996), (89, 11284),

Gene: LochMonster_14 Start: 10914, Stop: 11426, Start Num: 32
Candidate Starts for LochMonster_14:
(Start: 32 @10914 has 813 MA's), (46, 11025), (89, 11313),

Gene: Lockley_14 Start: 11001, Stop: 11513, Start Num: 32
Candidate Starts for Lockley_14:
(Start: 32 @11001 has 813 MA's), (69, 11274), (91, 11412), (98, 11472), (103, 11490),

Gene: LogiBear_18 Start: 11483, Stop: 12001, Start Num: 32
Candidate Starts for LogiBear_18:

(Start: 32 @11483 has 813 MA's), (40, 11552), (53, 11663), (59, 11702), (87, 11873),

Gene: Lokk_18 Start: 13310, Stop: 13819, Start Num: 32
Candidate Starts for Lokk_18:
(Start: 32 @13310 has 813 MA's), (43, 13391), (48, 13445), (73, 13604), (75, 13619), (95, 13763),

Gene: LoneWolf_16 Start: 12107, Stop: 12640, Start Num: 32
Candidate Starts for LoneWolf_16:
(1, 11756), (2, 11783), (Start: 32 @12107 has 813 MA's), (36, 12155), (50, 12269), (73, 12410), (75, 12425), (78, 12437), (102, 12605), (103, 12608),

Gene: Looper_18 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for Looper_18:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Lopton_15 Start: 12429, Stop: 12941, Start Num: 32
Candidate Starts for Lopton_15:
(13, 12228), (14, 12243), (Start: 32 @12429 has 813 MA's), (51, 12594), (69, 12702), (91, 12840), (98, 12900), (103, 12918),

Gene: Lorenzo_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Lorenzo_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Loser_18 Start: 13393, Stop: 13905, Start Num: 32
Candidate Starts for Loser_18:
(Start: 24 @13354 has 3 MA's), (Start: 32 @13393 has 813 MA's), (40, 13453), (80, 13720), (95, 13846),

Gene: Louie6_16 Start: 11069, Stop: 11593, Start Num: 31
Candidate Starts for Louie6_16:
(Start: 25 @11054 has 14 MA's), (Start: 31 @11069 has 20 MA's), (Start: 32 @11090 has 813 MA's), (54, 11267), (75, 11399), (78, 11411),

Gene: Lowa_16 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for Lowa_16:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: Luchador_15 Start: 11684, Stop: 12196, Start Num: 32
Candidate Starts for Luchador_15:
(Start: 32 @11684 has 813 MA's), (62, 11909), (95, 12137),

Gene: Lucivia_15 Start: 12201, Stop: 12722, Start Num: 32
Candidate Starts for Lucivia_15:
(28, 12180), (Start: 32 @12201 has 813 MA's), (36, 12252), (46, 12315), (73, 12501),

Gene: Lucyedi_16 Start: 11784, Stop: 12311, Start Num: 32
Candidate Starts for Lucyedi_16:
(10, 11562), (Start: 32 @11784 has 813 MA's), (78, 12105), (82, 12141),

Gene: LugYA_18 Start: 10980, Stop: 11504, Start Num: 31
Candidate Starts for LugYA_18:

(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: LunarLander_14 Start: 10789, Stop: 11301, Start Num: 32
Candidate Starts for LunarLander_14:
(13, 10588), (14, 10603), (Start: 32 @10789 has 813 MA's), (51, 10954), (69, 11062), (91, 11200), (98, 11260), (103, 11278),

Gene: Lunsford_15 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Lunsford_15:
(Start: 32 @10939 has 813 MA's), (46, 11050), (73, 11236), (89, 11338),

Gene: MA5_14 Start: 10146, Stop: 10670, Start Num: 32
Candidate Starts for MA5_14:
(Start: 32 @10146 has 813 MA's), (53, 10323), (71, 10431), (78, 10470),

Gene: MK4_14 Start: 10418, Stop: 10942, Start Num: 32
Candidate Starts for MK4_14:
(Start: 25 @10382 has 14 MA's), (Start: 32 @10418 has 813 MA's), (53, 10595), (71, 10703), (78, 10742),

Gene: MPlant7149_13 Start: 10639, Stop: 11151, Start Num: 32
Candidate Starts for MPlant7149_13:
(13, 10438), (14, 10453), (Start: 32 @10639 has 813 MA's), (51, 10804), (69, 10912), (91, 11050), (98, 11110), (103, 11128),

Gene: MaCh_15 Start: 12149, Stop: 12670, Start Num: 32
Candidate Starts for MaCh_15:
(28, 12128), (Start: 32 @12149 has 813 MA's), (36, 12200), (46, 12263), (73, 12449),

Gene: Mabel_15 Start: 12216, Stop: 12737, Start Num: 32
Candidate Starts for Mabel_15:
(28, 12195), (Start: 32 @12216 has 813 MA's), (36, 12267), (46, 12330), (73, 12516),

Gene: MadMarie_16 Start: 11005, Stop: 11508, Start Num: 32
Candidate Starts for MadMarie_16:
(Start: 25 @10969 has 14 MA's), (Start: 31 @10984 has 20 MA's), (Start: 32 @11005 has 813 MA's), (54, 11182), (75, 11314), (78, 11326),

Gene: Magnar_14 Start: 10786, Stop: 11298, Start Num: 32
Candidate Starts for Magnar_14:
(Start: 32 @10786 has 813 MA's), (51, 10951), (69, 11059), (91, 11197), (98, 11257), (103, 11275),

Gene: Magnito_13 Start: 10538, Stop: 11050, Start Num: 32
Candidate Starts for Magnito_13:
(13, 10337), (14, 10352), (Start: 32 @10538 has 813 MA's), (51, 10703), (69, 10811), (91, 10949), (98, 11009), (103, 11027),

Gene: Mainiac_16 Start: 10960, Stop: 11499, Start Num: 25
Candidate Starts for Mainiac_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: MajorMajor_14 Start: 10524, Stop: 11048, Start Num: 32
Candidate Starts for MajorMajor_14:
(Start: 24 @10488 has 3 MA's), (27, 10503), (Start: 32 @10524 has 813 MA's), (36, 10575), (48, 10665), (52, 10695), (75, 10839), (80, 10860), (95, 10989), (102, 11022),

Gene: Makemake_14 Start: 12270, Stop: 12782, Start Num: 32
Candidate Starts for Makemake_14:
(Start: 32 @12270 has 813 MA's), (51, 12435), (69, 12543), (91, 12681), (98, 12741), (103, 12759),

Gene: Malec_16 Start: 11889, Stop: 12419, Start Num: 32
Candidate Starts for Malec_16:
(16, 11736), (Start: 24 @11853 has 3 MA's), (27, 11868), (Start: 32 @11889 has 813 MA's), (63, 12135), (75, 12204), (80, 12225), (95, 12360), (102, 12393), (104, 12402), (106, 12405),

Gene: Malinsilva_18 Start: 10959, Stop: 11498, Start Num: 25
Candidate Starts for Malinsilva_18:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: Maminiaina_16 Start: 12031, Stop: 12564, Start Num: 32
Candidate Starts for Maminiaina_16:
(Start: 32 @12031 has 813 MA's), (36, 12079), (50, 12193), (73, 12334), (75, 12349), (78, 12361), (102, 12529), (103, 12532),

Gene: Manatee_15 Start: 11070, Stop: 11582, Start Num: 32
Candidate Starts for Manatee_15:
(Start: 32 @11070 has 813 MA's), (69, 11343), (91, 11481), (98, 11541), (103, 11559),

Gene: Manu_17 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Manu_17:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: MarQuardt_16 Start: 10983, Stop: 11507, Start Num: 31
Candidate Starts for MarQuardt_16:
(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: Marcell_14 Start: 10998, Stop: 11510, Start Num: 32
Candidate Starts for Marcell_14:
(13, 10797), (14, 10812), (Start: 32 @10998 has 813 MA's), (51, 11163), (69, 11271), (91, 11409), (98, 11469), (103, 11487),

Gene: Marchesa_14 Start: 10597, Stop: 11118, Start Num: 32
Candidate Starts for Marchesa_14:
(Start: 32 @10597 has 813 MA's), (53, 10771), (71, 10879), (78, 10918), (106, 11089),

Gene: Marchy_13 Start: 10625, Stop: 11137, Start Num: 32
Candidate Starts for Marchy_13:
(Start: 32 @10625 has 813 MA's), (69, 10898), (91, 11036), (98, 11096), (103, 11114),

Gene: Marco3_14 Start: 11270, Stop: 11782, Start Num: 32
Candidate Starts for Marco3_14:

(Start: 32 @11270 has 813 MA's), (69, 11543), (91, 11681), (98, 11741), (103, 11759),

Gene: Marge_15 Start: 11521, Stop: 12033, Start Num: 32
Candidate Starts for Marge_15:
(13, 11320), (14, 11335), (Start: 32 @11521 has 813 MA's), (51, 11686), (69, 11794), (91, 11932), (98, 11992), (103, 12010),

Gene: Margo_15 Start: 11118, Stop: 11627, Start Num: 32
Candidate Starts for Margo_15:
(17, 11013), (Start: 32 @11118 has 813 MA's), (71, 11400), (78, 11439), (101, 11598),

Gene: Marie_16 Start: 10980, Stop: 11504, Start Num: 31
Candidate Starts for Marie_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Marius_17 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Marius_17:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Maroc7_13 Start: 10811, Stop: 11323, Start Num: 32
Candidate Starts for Maroc7_13:
(13, 10610), (14, 10625), (Start: 32 @10811 has 813 MA's), (69, 11084), (91, 11222), (98, 11282), (103, 11300),

Gene: Marsha_14 Start: 11254, Stop: 11766, Start Num: 32
Candidate Starts for Marsha_14:
(Start: 32 @11254 has 813 MA's), (51, 11419), (69, 11527), (91, 11665), (98, 11725), (103, 11743),

Gene: MaryBeth_14 Start: 11233, Stop: 11745, Start Num: 32
Candidate Starts for MaryBeth_14:
(Start: 32 @11233 has 813 MA's), (69, 11506), (91, 11644), (98, 11704), (103, 11722),

Gene: MarysWell_11 Start: 10231, Stop: 10740, Start Num: 32
Candidate Starts for MarysWell_11:
(Start: 32 @10231 has 813 MA's), (45, 10321), (63, 10474), (71, 10516), (75, 10543), (80, 10564), (86, 10612),

Gene: Maverick_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Maverick_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Maxo_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Maxo_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Mayonnaise_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Mayonnaise_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Mazhar510_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Mazhar510_14:

(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: McFly_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for McFly_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: McGuire_15 Start: 11116, Stop: 11628, Start Num: 32
Candidate Starts for McGuire_15:
(Start: 32 @11116 has 813 MA's), (69, 11389), (91, 11527), (98, 11587), (103, 11605),

Gene: McSinger_15 Start: 11196, Stop: 11708, Start Num: 32
Candidate Starts for McSinger_15:
(Start: 32 @11196 has 813 MA's), (69, 11469), (91, 11607), (98, 11667), (103, 11685),

Gene: Medusa_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Medusa_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: MeeZee_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for MeeZee_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: MegTheThird_14 Start: 10421, Stop: 10951, Start Num: 32
Candidate Starts for MegTheThird_14:
(Start: 31 @10400 has 20 MA's), (Start: 32 @10421 has 813 MA's), (36, 10472), (78, 10748),

Gene: Melvin_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Melvin_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: MetalQZJ_14 Start: 11233, Stop: 11745, Start Num: 32
Candidate Starts for MetalQZJ_14:
(Start: 32 @11233 has 813 MA's), (69, 11506), (91, 11644), (98, 11704), (103, 11722),

Gene: Methuselah_16 Start: 11065, Stop: 11589, Start Num: 31
Candidate Starts for Methuselah_16:
(Start: 25 @11050 has 14 MA's), (Start: 31 @11065 has 20 MA's), (Start: 32 @11086 has 813 MA's), (54, 11263), (75, 11395), (78, 11407),

Gene: Micasa_12 Start: 10232, Stop: 10741, Start Num: 32
Candidate Starts for Micasa_12:
(Start: 32 @10232 has 813 MA's), (45, 10322), (63, 10475), (71, 10517), (75, 10544), (80, 10565), (86, 10613),

Gene: Michley_14 Start: 10980, Stop: 11492, Start Num: 32
Candidate Starts for Michley_14:
(Start: 32 @10980 has 813 MA's), (51, 11145), (69, 11253), (91, 11391), (98, 11451), (103, 11469),

Gene: Microwolf_16 Start: 11004, Stop: 11507, Start Num: 32
Candidate Starts for Microwolf_16:
(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: MiculUcigas_15 Start: 11659, Stop: 12183, Start Num: 32
Candidate Starts for MiculUcigas_15:
(16, 11506), (Start: 24 @11623 has 3 MA's), (27, 11638), (Start: 32 @11659 has 813 MA's), (53, 11839), (73, 11959), (78, 11986), (95, 12124), (102, 12157), (104, 12166), (106, 12169),

Gene: Midas2_12 Start: 10231, Stop: 10740, Start Num: 32
Candidate Starts for Midas2_12:
(Start: 32 @10231 has 813 MA's), (45, 10321), (63, 10474), (71, 10516), (75, 10543), (80, 10564), (86, 10612),

Gene: Miko_18 Start: 13279, Stop: 13788, Start Num: 32
Candidate Starts for Miko_18:
(Start: 32 @13279 has 813 MA's), (43, 13360), (48, 13414), (75, 13588),

Gene: Milcery_12 Start: 10268, Stop: 10777, Start Num: 32
Candidate Starts for Milcery_12:
(Start: 32 @10268 has 813 MA's), (45, 10358), (71, 10553), (75, 10580), (80, 10601), (86, 10649),

Gene: MilleFeuille_13 Start: 10548, Stop: 11060, Start Num: 32
Candidate Starts for MilleFeuille_13:
(Start: 32 @10548 has 813 MA's), (69, 10821), (91, 10959), (98, 11019), (103, 11037),

Gene: Millski_14 Start: 10942, Stop: 11454, Start Num: 32
Candidate Starts for Millski_14:
(Start: 32 @10942 has 813 MA's), (46, 11053), (89, 11341),

Gene: MinecraftSteve_18 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for MinecraftSteve_18:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: Minispark_13 Start: 10342, Stop: 10866, Start Num: 32
Candidate Starts for Minispark_13:
(Start: 32 @10342 has 813 MA's), (40, 10405), (45, 10441), (102, 10831), (103, 10834),

Gene: Miramae_14 Start: 10897, Stop: 11409, Start Num: 32
Candidate Starts for Miramae_14:
(Start: 25 @10864 has 14 MA's), (Start: 32 @10897 has 813 MA's), (46, 11008), (80, 11230), (89, 11296),

Gene: Misomonster_18 Start: 11065, Stop: 11589, Start Num: 31
Candidate Starts for Misomonster_18:
(Start: 25 @11050 has 14 MA's), (Start: 31 @11065 has 20 MA's), (Start: 32 @11086 has 813 MA's), (54, 11263), (75, 11395), (78, 11407),

Gene: MissWhite_15 Start: 10643, Stop: 11170, Start Num: 32
Candidate Starts for MissWhite_15:
(Start: 32 @10643 has 813 MA's), (40, 10712), (63, 10889), (84, 11015),

Gene: Mkhuseli_15 Start: 11142, Stop: 11654, Start Num: 32
Candidate Starts for Mkhuseli_15:
(14, 10956), (Start: 32 @11142 has 813 MA's), (51, 11307), (69, 11415), (91, 11553), (98, 11613), (103, 11631),

Gene: Molly_15 Start: 10841, Stop: 11353, Start Num: 32
Candidate Starts for Molly_15:
(13, 10640), (14, 10655), (Start: 32 @10841 has 813 MA's), (51, 11006), (69, 11114), (91, 11252), (98, 11312), (103, 11330),

Gene: Monet_16 Start: 12038, Stop: 12550, Start Num: 32
Candidate Starts for Monet_16:
(13, 11837), (14, 11852), (Start: 32 @12038 has 813 MA's), (51, 12203), (69, 12311), (91, 12449), (98, 12509), (103, 12527),

Gene: MoneyMay_16 Start: 10965, Stop: 11504, Start Num: 25
Candidate Starts for MoneyMay_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Montavir_15 Start: 11003, Stop: 11506, Start Num: 32
Candidate Starts for Montavir_15:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Moose_13 Start: 11073, Stop: 11585, Start Num: 32
Candidate Starts for Moose_13:
(Start: 32 @11073 has 813 MA's), (69, 11346), (91, 11484), (98, 11544), (103, 11562),

Gene: Morpher26_14 Start: 10949, Stop: 11461, Start Num: 32
Candidate Starts for Morpher26_14:
(Start: 25 @10916 has 14 MA's), (Start: 32 @10949 has 813 MA's), (46, 11060), (61, 11171), (89, 11348),

Gene: Morrow_14 Start: 10942, Stop: 11454, Start Num: 32
Candidate Starts for Morrow_14:
(Start: 32 @10942 has 813 MA's), (46, 11053), (89, 11341),

Gene: MrGordo_14 Start: 10793, Stop: 11305, Start Num: 32
Candidate Starts for MrGordo_14:
(Start: 32 @10793 has 813 MA's), (69, 11066), (91, 11204), (98, 11264), (103, 11282),

Gene: Mryolo_13 Start: 10823, Stop: 11335, Start Num: 32
Candidate Starts for Mryolo_13:
(Start: 32 @10823 has 813 MA's), (51, 10988), (69, 11096), (91, 11234), (98, 11294), (103, 11312),

Gene: MuchMore_18 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for MuchMore_18:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: Mulciber_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Mulciber_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Mule_14 Start: 11108, Stop: 11620, Start Num: 32
Candidate Starts for Mule_14:
(Start: 32 @11108 has 813 MA's), (69, 11381), (91, 11519), (98, 11579), (103, 11597),

Gene: Munch_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Munch_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Mundrea_14 Start: 10902, Stop: 11414, Start Num: 32
Candidate Starts for Mundrea_14:
(Start: 25 @10869 has 14 MA's), (Start: 32 @10902 has 813 MA's), (46, 11013), (89, 11301),

Gene: Museum_16 Start: 11127, Stop: 11639, Start Num: 32
Candidate Starts for Museum_16:
(13, 10926), (14, 10941), (Start: 32 @11127 has 813 MA's), (51, 11292), (69, 11400), (91, 11538), (98, 11598), (103, 11616),

Gene: MyraDee_12 Start: 9070, Stop: 9564, Start Num: 32
Candidate Starts for MyraDee_12:
(4, 8770), (6, 8782), (Start: 32 @9070 has 813 MA's), (75, 9367), (101, 9535),

Gene: Myxus_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for Myxus_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: NEHalo_14 Start: 10635, Stop: 11147, Start Num: 32
Candidate Starts for NEHalo_14:
(Start: 32 @10635 has 813 MA's), (69, 10908), (91, 11046), (98, 11106), (103, 11124),

Gene: NaSiaTalie_15 Start: 11656, Stop: 12180, Start Num: 32
Candidate Starts for NaSiaTalie_15:
(16, 11503), (Start: 24 @11620 has 3 MA's), (27, 11635), (Start: 32 @11656 has 813 MA's), (53, 11836), (73, 11956), (78, 11983), (95, 12121), (102, 12154), (104, 12163), (106, 12166),

Gene: Naca_12 Start: 10140, Stop: 10685, Start Num: 25
Candidate Starts for Naca_12:
(Start: 25 @10140 has 14 MA's), (Start: 32 @10173 has 813 MA's), (45, 10266), (71, 10461), (75, 10488), (86, 10557), (92, 10590), (101, 10656),

Gene: Naiad_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Naiad_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (87, 7572), (104, 7686),

Gene: Naira_15 Start: 12374, Stop: 12886, Start Num: 32
Candidate Starts for Naira_15:
(14, 12188), (Start: 32 @12374 has 813 MA's), (51, 12539), (69, 12647), (91, 12785), (98, 12845), (103, 12863),

Gene: Naji_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for Naji_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: Nancinator_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Nancinator_11:

(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Natosaleda_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Natosaleda_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: NearlyHeadless_12 Start: 9845, Stop: 10366, Start Num: 31
Candidate Starts for NearlyHeadless_12:
(Start: 31 @9845 has 20 MA's), (57, 10055), (64, 10112), (70, 10136), (80, 10190), (85, 10235), (94, 10295),

Gene: Nebs_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Nebs_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Nebulosus_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for Nebulosus_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Nedarya_16 Start: 11336, Stop: 11842, Start Num: 32
Candidate Starts for Nedarya_16:
(Start: 32 @11336 has 813 MA's),

Gene: Neeharika16_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Neeharika16_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Nemo27_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Nemo27_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Nerujay_15 Start: 11530, Stop: 12042, Start Num: 32
Candidate Starts for Nerujay_15:
(13, 11329), (14, 11344), (Start: 32 @11530 has 813 MA's), (69, 11803), (91, 11941), (98, 12001), (103, 12019),

Gene: Newrala_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Newrala_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Nhonho_14 Start: 10979, Stop: 11491, Start Num: 32
Candidate Starts for Nhonho_14:
(13, 10778), (14, 10793), (Start: 32 @10979 has 813 MA's), (51, 11144), (69, 11252), (91, 11390), (98, 11450), (103, 11468),

Gene: NicoleTera_19 Start: 13368, Stop: 13889, Start Num: 32
Candidate Starts for NicoleTera_19:
(Start: 32 @13368 has 813 MA's), (37, 13422), (73, 13665), (78, 13692), (95, 13830),

Gene: Niza_16 Start: 12146, Stop: 12658, Start Num: 32
Candidate Starts for Niza_16:
(Start: 32 @12146 has 813 MA's), (69, 12419), (91, 12557), (98, 12617), (103, 12635),

Gene: Noella_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Noella_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Noelle_14 Start: 11003, Stop: 11515, Start Num: 32
Candidate Starts for Noelle_14:
(4, 10712), (8, 10763), (11, 10799), (12, 10802), (Start: 25 @10970 has 14 MA's), (Start: 32 @11003 has 813 MA's), (89, 11402),

Gene: Norbert_14 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Norbert_14:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: NorthStar_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for NorthStar_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Northrop_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Northrop_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Norz_16 Start: 11782, Stop: 12294, Start Num: 32
Candidate Starts for Norz_16:
(15, 11608), (Start: 32 @11782 has 813 MA's), (69, 12055), (91, 12193), (98, 12253), (103, 12271),

Gene: NotAPhaseMom_14 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for NotAPhaseMom_14:
(Start: 32 @10943 has 813 MA's), (46, 11054), (89, 11342),

Gene: NothingSpecial_17 Start: 13625, Stop: 14149, Start Num: 32
Candidate Starts for NothingSpecial_17:
(12, 13427), (Start: 24 @13589 has 3 MA's), (Start: 31 @13604 has 20 MA's), (Start: 32 @13625 has 813 MA's), (40, 13691), (43, 13712), (78, 13952), (95, 14090), (102, 14123),

Gene: Noxious_16 Start: 11814, Stop: 12326, Start Num: 32
Candidate Starts for Noxious_16:
(Start: 32 @11814 has 813 MA's), (51, 11979), (69, 12087), (91, 12225), (98, 12285), (103, 12303),

Gene: Nyxis_14 Start: 10885, Stop: 11397, Start Num: 32
Candidate Starts for Nyxis_14:
(Start: 32 @10885 has 813 MA's), (46, 10996), (89, 11284),

Gene: OKCentral2016_14 Start: 10403, Stop: 10924, Start Num: 32
Candidate Starts for OKCentral2016_14:
(Start: 31 @10382 has 20 MA's), (Start: 32 @10403 has 813 MA's), (90, 10817),

Gene: OKaNui_14 Start: 10705, Stop: 11217, Start Num: 32
Candidate Starts for OKaNui_14:
(4, 10414), (12, 10504), (Start: 25 @10672 has 14 MA's), (Start: 32 @10705 has 813 MA's), (46, 10816), (73, 11002), (89, 11104),

Gene: Obama12_14 Start: 10919, Stop: 11431, Start Num: 32
Candidate Starts for Obama12_14:

(Start: 25 @10886 has 14 MA's), (Start: 32 @10919 has 813 MA's), (46, 11030), (80, 11252), (89, 11318),

Gene: Odin_14 Start: 10423, Stop: 10947, Start Num: 32
Candidate Starts for Odin_14:
(Start: 32 @10423 has 813 MA's), (40, 10492), (48, 10564), (52, 10594), (75, 10738), (80, 10759), (95, 10885), (102, 10918), (104, 10927),

Gene: Ohfah_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Ohfah_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Ohno789_14 Start: 10925, Stop: 11437, Start Num: 32
Candidate Starts for Ohno789_14:
(Start: 32 @10925 has 813 MA's), (51, 11090), (69, 11198), (91, 11336), (98, 11396), (103, 11414),

Gene: OlanP_16 Start: 11255, Stop: 11758, Start Num: 32
Candidate Starts for OlanP_16:
(Start: 25 @11219 has 14 MA's), (Start: 31 @11234 has 20 MA's), (Start: 32 @11255 has 813 MA's), (54, 11432), (75, 11564), (78, 11576),

Gene: Ollie_16 Start: 10874, Stop: 11377, Start Num: 32
Candidate Starts for Ollie_16:
(Start: 25 @10838 has 14 MA's), (Start: 31 @10853 has 20 MA's), (Start: 32 @10874 has 813 MA's), (54, 11051), (75, 11183), (78, 11195),

Gene: Onglai_15 Start: 10633, Stop: 11166, Start Num: 32
Candidate Starts for Onglai_15:
(Start: 32 @10633 has 813 MA's), (36, 10681), (50, 10795), (73, 10936), (75, 10951), (78, 10963), (102, 11131), (103, 11134),

Gene: Oofda_17 Start: 10721, Stop: 11233, Start Num: 32
Candidate Starts for Oofda_17:
(Start: 32 @10721 has 813 MA's), (56, 10916),

Gene: Oogway_13 Start: 11054, Stop: 11566, Start Num: 32
Candidate Starts for Oogway_13:
(Start: 32 @11054 has 813 MA's), (69, 11327), (91, 11465), (98, 11525), (103, 11543),

Gene: Orange_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Orange_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: P28Green_16 Start: 11002, Stop: 11505, Start Num: 32
Candidate Starts for P28Green_16:
(Start: 25 @10966 has 14 MA's), (Start: 31 @10981 has 20 MA's), (Start: 32 @11002 has 813 MA's), (54, 11179), (75, 11311), (78, 11323),

Gene: PGHhamlin_18 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for PGHhamlin_18:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: PP_24 Start: 16745, Stop: 17263, Start Num: 32
Candidate Starts for PP_24:
(Start: 32 @16745 has 813 MA's), (53, 16928), (80, 17084), (81, 17108), (99, 17225), (100, 17228),

Gene: PSullivan_16 Start: 11543, Stop: 12055, Start Num: 32
Candidate Starts for PSullivan_16:
(13, 11342), (14, 11357), (Start: 32 @11543 has 813 MA's), (69, 11816), (91, 11954), (98, 12014), (103, 12032),

Gene: PacerPaul_14 Start: 11310, Stop: 11822, Start Num: 32
Candidate Starts for PacerPaul_14:
(Start: 32 @11310 has 813 MA's), (69, 11583), (91, 11721), (98, 11781), (103, 11799),

Gene: PackMan_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for PackMan_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: PainterBoy_16 Start: 11784, Stop: 12311, Start Num: 32
Candidate Starts for PainterBoy_16:
(10, 11562), (Start: 32 @11784 has 813 MA's), (78, 12105), (82, 12141),

Gene: Palestino_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Palestino_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Panamaxus_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Panamaxus_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Papez_16 Start: 12506, Stop: 13018, Start Num: 32
Candidate Starts for Papez_16:
(13, 12305), (14, 12320), (Start: 32 @12506 has 813 MA's), (51, 12671), (69, 12779), (91, 12917), (98, 12977), (103, 12995),

Gene: Paphu_13 Start: 10499, Stop: 11011, Start Num: 32
Candidate Starts for Paphu_13:
(Start: 32 @10499 has 813 MA's), (69, 10772), (91, 10910), (98, 10970), (103, 10988),

Gene: Paraselene_13 Start: 10812, Stop: 11324, Start Num: 32
Candidate Starts for Paraselene_13:
(Start: 32 @10812 has 813 MA's), (51, 10977), (69, 11085), (91, 11223), (98, 11283), (103, 11301),

Gene: Pari_15 Start: 11278, Stop: 11790, Start Num: 32
Candidate Starts for Pari_15:
(Start: 32 @11278 has 813 MA's), (51, 11443), (69, 11551), (91, 11689), (98, 11749), (103, 11767),

Gene: Parliament_13 Start: 10881, Stop: 11393, Start Num: 32
Candidate Starts for Parliament_13:
(Start: 32 @10881 has 813 MA's), (51, 11046), (69, 11154), (91, 11292), (98, 11352), (103, 11370),

Gene: Partridge_11 Start: 7262, Stop: 7747, Start Num: 39
Candidate Starts for Partridge_11:

(19, 7100), (Start: 39 @7262 has 36 MA's), (66, 7493), (79, 7559), (87, 7616),

Gene: PascalRango_13 Start: 10739, Stop: 11251, Start Num: 32
Candidate Starts for PascalRango_13:
(Start: 32 @10739 has 813 MA's), (69, 11012), (91, 11150), (98, 11210), (103, 11228),

Gene: PattyP_16 Start: 11336, Stop: 11848, Start Num: 32
Candidate Starts for PattyP_16:
(13, 11135), (14, 11150), (Start: 32 @11336 has 813 MA's), (51, 11501), (69, 11609), (91, 11747), (98, 11807), (103, 11825),

Gene: Pawn_16 Start: 11075, Stop: 11578, Start Num: 32
Candidate Starts for Pawn_16:
(Start: 25 @11039 has 14 MA's), (Start: 31 @11054 has 20 MA's), (Start: 32 @11075 has 813 MA's), (54, 11252), (75, 11384), (78, 11396),

Gene: Payneful_14 Start: 10625, Stop: 11137, Start Num: 32
Candidate Starts for Payneful_14:
(Start: 32 @10625 has 813 MA's), (69, 10898), (91, 11036), (98, 11096), (103, 11114),

Gene: PeaceMeal1_13 Start: 8815, Stop: 9336, Start Num: 32
Candidate Starts for PeaceMeal1_13:
(Start: 31 @8794 has 20 MA's), (Start: 32 @8815 has 813 MA's), (53, 9001),

Gene: Peaches_14 Start: 10941, Stop: 11453, Start Num: 32
Candidate Starts for Peaches_14:
(Start: 25 @10908 has 14 MA's), (Start: 32 @10941 has 813 MA's), (46, 11052), (73, 11238), (89, 11340),

Gene: Pelly_15 Start: 11571, Stop: 12083, Start Num: 32
Candidate Starts for Pelly_15:
(Start: 32 @11571 has 813 MA's), (69, 11844), (91, 11982), (98, 12042), (103, 12060),

Gene: Pembroke_16 Start: 11004, Stop: 11507, Start Num: 32
Candidate Starts for Pembroke_16:
(Start: 25 @10968 has 14 MA's), (Start: 31 @10983 has 20 MA's), (Start: 32 @11004 has 813 MA's), (54, 11181), (75, 11313), (78, 11325),

Gene: Penny1_16 Start: 10982, Stop: 11506, Start Num: 31
Candidate Starts for Penny1_16:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Pepe_15 Start: 11534, Stop: 12046, Start Num: 32
Candidate Starts for Pepe_15:
(13, 11333), (14, 11348), (Start: 32 @11534 has 813 MA's), (69, 11807), (91, 11945), (98, 12005), (103, 12023),

Gene: Perplexer_14 Start: 10943, Stop: 11455, Start Num: 32
Candidate Starts for Perplexer_14:
(Start: 25 @10910 has 14 MA's), (Start: 32 @10943 has 813 MA's), (46, 11054), (61, 11165), (89, 11342),

Gene: Perseus_15 Start: 11194, Stop: 11706, Start Num: 32
Candidate Starts for Perseus_15:
(Start: 32 @11194 has 813 MA's), (69, 11467), (91, 11605), (98, 11665), (103, 11683),

Gene: PeterPeter_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for PeterPeter_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Petersenfast_15 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Petersenfast_15:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: Peterson_17 Start: 12495, Stop: 13007, Start Num: 32
Candidate Starts for Peterson_17:
(Start: 32 @12495 has 813 MA's), (69, 12768), (91, 12906), (98, 12966), (103, 12984),

Gene: PetiteSangsue_14 Start: 10949, Stop: 11461, Start Num: 32
Candidate Starts for PetiteSangsue_14:
(Start: 25 @10916 has 14 MA's), (Start: 32 @10949 has 813 MA's), (46, 11060), (61, 11171), (89, 11348),

Gene: Petp2012_16 Start: 12010, Stop: 12522, Start Num: 32
Candidate Starts for Petp2012_16:
(13, 11809), (14, 11824), (Start: 32 @12010 has 813 MA's), (51, 12175), (69, 12283), (91, 12421), (98, 12481), (103, 12499),

Gene: Petruchio_14 Start: 10752, Stop: 11264, Start Num: 32
Candidate Starts for Petruchio_14:
(Start: 32 @10752 has 813 MA's), (51, 10917), (69, 11025), (91, 11163), (98, 11223), (103, 11241),

Gene: PetterN_13 Start: 10060, Stop: 10572, Start Num: 32
Candidate Starts for PetterN_13:
(Start: 25 @10027 has 14 MA's), (Start: 32 @10060 has 813 MA's), (45, 10153), (71, 10348), (75, 10375), (86, 10444), (92, 10477), (101, 10543),

Gene: Ph8s_16 Start: 10384, Stop: 10908, Start Num: 32
Candidate Starts for Ph8s_16:
(Start: 32 @10384 has 813 MA's), (36, 10435), (40, 10453), (48, 10525), (52, 10555), (58, 10591), (75, 10699), (78, 10711), (80, 10720), (95, 10846), (102, 10879), (104, 10888),

Gene: Phacado_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Phacado_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Phaded_18 Start: 13709, Stop: 14218, Start Num: 32
Candidate Starts for Phaded_18:
(Start: 32 @13709 has 813 MA's), (73, 13997), (78, 14024), (95, 14162),

Gene: Phaeder_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for Phaeder_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: PhailMary_10 Start: 7269, Stop: 7754, Start Num: 39
Candidate Starts for PhailMary_10:
(19, 7107), (Start: 39 @7269 has 36 MA's), (66, 7500), (79, 7566), (87, 7623),

Gene: Phantastic_14 Start: 10509, Stop: 11030, Start Num: 32
Candidate Starts for Phantastic_14:
(Start: 32 @10509 has 813 MA's), (53, 10683), (71, 10791), (78, 10830), (106, 11001),

Gene: Pharaoh_15 Start: 12042, Stop: 12578, Start Num: 32
Candidate Starts for Pharaoh_15:
(Start: 32 @12042 has 813 MA's), (48, 12180), (55, 12225), (66, 12306), (73, 12339), (103, 12543), (105, 12552),

Gene: Phelipe_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Phelipe_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: PherrisBueller_15 Start: 10963, Stop: 11475, Start Num: 32
Candidate Starts for PherrisBueller_15:
(Start: 32 @10963 has 813 MA's), (69, 11236), (91, 11374), (98, 11434), (103, 11452),

Gene: Phighter1804_14 Start: 10917, Stop: 11429, Start Num: 32
Candidate Starts for Phighter1804_14:
(Start: 25 @10884 has 14 MA's), (Start: 32 @10917 has 813 MA's), (46, 11028), (73, 11214), (89, 11316),

Gene: Phillis_12 Start: 9803, Stop: 10324, Start Num: 31
Candidate Starts for Phillis_12:
(Start: 31 @9803 has 20 MA's), (57, 10013), (64, 10070), (70, 10094), (80, 10148), (85, 10193), (94, 10253),

Gene: PhineBark_13 Start: 11850, Stop: 12362, Start Num: 32
Candidate Starts for PhineBark_13:
(9, 11604), (13, 11649), (14, 11664), (Start: 32 @11850 has 813 MA's), (69, 12123), (91, 12261), (98, 12321), (103, 12339),

Gene: PhishRPhriends_15 Start: 10266, Stop: 10769, Start Num: 32
Candidate Starts for PhishRPhriends_15:
(Start: 25 @10230 has 14 MA's), (Start: 31 @10245 has 20 MA's), (Start: 32 @10266 has 813 MA's), (54, 10443), (71, 10548), (75, 10575), (78, 10587),

Gene: Phlei_11 Start: 12163, Stop: 12693, Start Num: 32
Candidate Starts for Phlei_11:
(28, 12142), (Start: 32 @12163 has 813 MA's), (48, 12307), (62, 12400), (68, 12442), (78, 12493), (83, 12538), (91, 12589), (95, 12634), (106, 12679),

Gene: Phlippers_13 Start: 12034, Stop: 12546, Start Num: 32
Candidate Starts for Phlippers_13:
(Start: 32 @12034 has 813 MA's), (69, 12307), (91, 12445), (98, 12505), (103, 12523),

Gene: Phlorence_12 Start: 10371, Stop: 10880, Start Num: 32
Candidate Starts for Phlorence_12:

(Start: 32 @10371 has 813 MA's), (45, 10461), (63, 10614), (71, 10656), (75, 10683), (80, 10704), (86, 10752),

Gene: Phoebe_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Phoebe_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Phonnegut_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Phonnegut_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: Phontbonne_14 Start: 10886, Stop: 11398, Start Num: 32
Candidate Starts for Phontbonne_14:
(Start: 32 @10886 has 813 MA's), (46, 10997), (73, 11183), (89, 11285),

Gene: Phoxy_16 Start: 11087, Stop: 11590, Start Num: 32
Candidate Starts for Phoxy_16:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: Phrankenstein_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Phrankenstein_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Phranny_17 Start: 11073, Stop: 11576, Start Num: 32
Candidate Starts for Phranny_17:
(Start: 25 @11037 has 14 MA's), (Start: 31 @11052 has 20 MA's), (Start: 32 @11073 has 813 MA's), (54, 11250), (75, 11382), (78, 11394),

Gene: PhrostyMug_14 Start: 11108, Stop: 11620, Start Num: 32
Candidate Starts for PhrostyMug_14:
(Start: 32 @11108 has 813 MA's), (69, 11381), (91, 11519), (98, 11579), (103, 11597),

Gene: PickleBack_12 Start: 10082, Stop: 10594, Start Num: 32
Candidate Starts for PickleBack_12:
(18, 9983), (Start: 25 @10049 has 14 MA's), (Start: 32 @10082 has 813 MA's), (45, 10175), (71, 10370), (75, 10397), (86, 10466), (92, 10499), (101, 10565),

Gene: PinkPlastic_13 Start: 10877, Stop: 11389, Start Num: 32
Candidate Starts for PinkPlastic_13:
(Start: 32 @10877 has 813 MA's), (69, 11150), (91, 11288), (98, 11348), (103, 11366),

Gene: Pinto_16 Start: 11185, Stop: 11697, Start Num: 32
Candidate Starts for Pinto_16:
(13, 10984), (14, 10999), (Start: 32 @11185 has 813 MA's), (51, 11350), (69, 11458), (91, 11596), (98, 11656), (103, 11674),

Gene: Pioneer_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Pioneer_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: Pipcraft_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Pipcraft_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Pippin_16 Start: 11446, Stop: 11958, Start Num: 32
Candidate Starts for Pippin_16:
(13, 11245), (14, 11260), (Start: 32 @11446 has 813 MA's), (51, 11611), (69, 11719), (91, 11857), (98, 11917), (103, 11935),

Gene: Piro94_16 Start: 12117, Stop: 12641, Start Num: 32
Candidate Starts for Piro94_16:
(Start: 24 @12081 has 3 MA's), (27, 12096), (Start: 32 @12117 has 813 MA's), (64, 12378), (95, 12582), (102, 12615),

Gene: Pistachio_15 Start: 10093, Stop: 10614, Start Num: 32
Candidate Starts for Pistachio_15:
(Start: 32 @10093 has 813 MA's), (53, 10267), (71, 10375), (78, 10414), (106, 10585),

Gene: Pita2_16 Start: 11543, Stop: 12055, Start Num: 32
Candidate Starts for Pita2_16:
(13, 11342), (14, 11357), (Start: 32 @11543 has 813 MA's), (69, 11816), (91, 11954), (98, 12014), (103, 12032),

Gene: Pmask_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for Pmask_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: Pocahontas_15 Start: 11090, Stop: 11599, Start Num: 32
Candidate Starts for Pocahontas_15:
(17, 10985), (Start: 32 @11090 has 813 MA's), (71, 11372), (78, 11411), (101, 11570),

Gene: Polymorphads_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Polymorphads_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Polyphemus_18 Start: 11669, Stop: 12199, Start Num: 32
Candidate Starts for Polyphemus_18:
(Start: 32 @11669 has 813 MA's), (48, 11813), (62, 11906), (63, 11918), (84, 12044),

Gene: Pomar16_18 Start: 11530, Stop: 12087, Start Num: 24
Candidate Starts for Pomar16_18:
(Start: 24 @11530 has 3 MA's), (27, 11545), (Start: 32 @11566 has 813 MA's), (36, 11617), (75, 11881), (80, 11902), (102, 12061),

Gene: Poompha_13 Start: 8813, Stop: 9334, Start Num: 32
Candidate Starts for Poompha_13:
(Start: 31 @8792 has 20 MA's), (Start: 32 @8813 has 813 MA's), (53, 8999),

Gene: Popcicle_15 Start: 11090, Stop: 11599, Start Num: 32
Candidate Starts for Popcicle_15:
(17, 10985), (Start: 32 @11090 has 813 MA's), (71, 11372), (78, 11411), (101, 11570),

Gene: PotatoSplit_17 Start: 10967, Stop: 11506, Start Num: 25
Candidate Starts for PotatoSplit_17:
(Start: 25 @10967 has 14 MA's), (Start: 31 @10982 has 20 MA's), (Start: 32 @11003 has 813 MA's), (54, 11180), (75, 11312), (78, 11324),

Gene: Power_15 Start: 11565, Stop: 12077, Start Num: 32
Candidate Starts for Power_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: PowerRanger_14 Start: 11369, Stop: 11881, Start Num: 32
Candidate Starts for PowerRanger_14:
(Start: 32 @11369 has 813 MA's), (51, 11534), (69, 11642), (91, 11780), (98, 11840), (103, 11858),

Gene: Priamo_18 Start: 11695, Stop: 12225, Start Num: 32
Candidate Starts for Priamo_18:
(Start: 32 @11695 has 813 MA's), (48, 11839), (62, 11932), (63, 11944), (84, 12070),

Gene: Prinashe11_12 Start: 10231, Stop: 10740, Start Num: 32
Candidate Starts for Prinashe11_12:
(Start: 32 @10231 has 813 MA's), (45, 10321), (63, 10474), (71, 10516), (75, 10543), (80, 10564), (86, 10612),

Gene: Priya_16 Start: 12298, Stop: 12831, Start Num: 32
Candidate Starts for Priya_16:
(Start: 32 @12298 has 813 MA's), (36, 12346), (50, 12460), (73, 12601), (75, 12616), (78, 12628), (102, 12796), (103, 12799),

Gene: ProMouse_15 Start: 11506, Stop: 12018, Start Num: 32
Candidate Starts for ProMouse_15:
(Start: 32 @11506 has 813 MA's), (51, 11671), (69, 11779), (91, 11917), (98, 11977), (103, 11995),

Gene: Prudy_18 Start: 13417, Stop: 13938, Start Num: 32
Candidate Starts for Prudy_18:
(29, 13396), (Start: 32 @13417 has 813 MA's), (75, 13729), (95, 13879),

Gene: Pukovnik_17 Start: 13276, Stop: 13785, Start Num: 32
Candidate Starts for Pukovnik_17:
(Start: 32 @13276 has 813 MA's), (53, 13444), (73, 13564), (78, 13591), (95, 13729),

Gene: Pumbaa_14 Start: 10914, Stop: 11426, Start Num: 32
Candidate Starts for Pumbaa_14:
(Start: 32 @10914 has 813 MA's), (46, 11025), (66, 11178), (89, 11313),

Gene: Puppet_14 Start: 11125, Stop: 11637, Start Num: 32
Candidate Starts for Puppet_14:
(Start: 32 @11125 has 813 MA's), (69, 11398), (91, 11536), (98, 11596), (103, 11614),

Gene: Puppy_15 Start: 10165, Stop: 10686, Start Num: 32
Candidate Starts for Puppy_15:
(Start: 32 @10165 has 813 MA's), (53, 10339), (71, 10447), (78, 10486), (106, 10657),

Gene: PurpleHaze_16 Start: 11074, Stop: 11577, Start Num: 32

Candidate Starts for PurpleHaze_16:
(Start: 25 @11038 has 14 MA's), (Start: 31 @11053 has 20 MA's), (Start: 32 @11074 has 813 MA's), (54, 11251), (75, 11383), (78, 11395),

Gene: QTRlifeCrisis_14 Start: 11511, Stop: 12023, Start Num: 32
Candidate Starts for QTRlifeCrisis_14:
(13, 11310), (14, 11325), (Start: 32 @11511 has 813 MA's), (51, 11676), (69, 11784), (91, 11922), (98, 11982), (103, 12000),

Gene: Qobbit_16 Start: 12297, Stop: 12830, Start Num: 32
Candidate Starts for Qobbit_16:
(Start: 32 @12297 has 813 MA's), (36, 12345), (50, 12459), (73, 12600), (75, 12615), (78, 12627), (102, 12795), (103, 12798),

Gene: QueenB2_15 Start: 11633, Stop: 12145, Start Num: 32
Candidate Starts for QueenB2_15:
(Start: 24 @11597 has 3 MA's), (Start: 31 @11612 has 20 MA's), (Start: 32 @11633 has 813 MA's), (73, 11921), (78, 11948), (95, 12086),

Gene: QueenBeesly_15 Start: 11565, Stop: 12077, Start Num: 32
Candidate Starts for QueenBeesly_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: QuinnKiro_14 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for QuinnKiro_14:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Quokka_13 Start: 10524, Stop: 11048, Start Num: 32
Candidate Starts for Quokka_13:
(Start: 24 @10488 has 3 MA's), (27, 10503), (Start: 32 @10524 has 813 MA's), (36, 10575), (48, 10665), (52, 10695), (75, 10839), (80, 10860), (95, 10989), (102, 11022),

Gene: RER2_4 Start: 4090, Stop: 4575, Start Num: 39
Candidate Starts for RER2_4:
(19, 3928), (Start: 39 @4090 has 36 MA's), (66, 4321), (79, 4387), (87, 4444), (104, 4558),

Gene: RGL3_4 Start: 4079, Stop: 4564, Start Num: 39
Candidate Starts for RGL3_4:
(Start: 39 @4079 has 36 MA's), (50, 4202), (59, 4262), (66, 4310), (79, 4376), (87, 4433),

Gene: Rachaly_18 Start: 13308, Stop: 13817, Start Num: 32
Candidate Starts for Rachaly_18:
(Start: 32 @13308 has 813 MA's), (48, 13443), (73, 13602), (75, 13617), (95, 13761),

Gene: Rahalelujah_14 Start: 10342, Stop: 10866, Start Num: 32
Candidate Starts for Rahalelujah_14:
(Start: 32 @10342 has 813 MA's), (40, 10405), (45, 10441), (102, 10831), (103, 10834),

Gene: Raid_14 Start: 10802, Stop: 11314, Start Num: 32
Candidate Starts for Raid_14:
(Start: 32 @10802 has 813 MA's), (51, 10967), (69, 11075), (91, 11213), (98, 11273), (103, 11291),

Gene: Rajelicia_14 Start: 11018, Stop: 11530, Start Num: 32
Candidate Starts for Rajelicia_14:
(Start: 32 @11018 has 813 MA's), (51, 11183), (69, 11291), (91, 11429), (98, 11489), (103, 11507),

Gene: Rasputin_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Rasputin_11:
(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: Ravana_17 Start: 10714, Stop: 11223, Start Num: 32
Candidate Starts for Ravana_17:
(Start: 32 @10714 has 813 MA's),

Gene: ReMo_17 Start: 10750, Stop: 11262, Start Num: 32
Candidate Starts for ReMo_17:
(Start: 32 @10750 has 813 MA's), (56, 10945),

Gene: Reba_17 Start: 10746, Stop: 11249, Start Num: 32
Candidate Starts for Reba_17:
(Start: 25 @10710 has 14 MA's), (Start: 31 @10725 has 20 MA's), (Start: 32 @10746 has 813 MA's), (54, 10923), (75, 11055), (78, 11067),

Gene: Rebeuca_15 Start: 10862, Stop: 11404, Start Num: 31
Candidate Starts for Rebeuca_15:
(Start: 31 @10862 has 20 MA's), (Start: 32 @10883 has 813 MA's), (42, 10970),

Gene: RedRock_18 Start: 13548, Stop: 14060, Start Num: 32
Candidate Starts for RedRock_18:
(Start: 24 @13509 has 3 MA's), (Start: 32 @13548 has 813 MA's), (40, 13608), (80, 13875), (95, 14001),

Gene: Refuge_18 Start: 13883, Stop: 14416, Start Num: 32
Candidate Starts for Refuge_18:
(Start: 32 @13883 has 813 MA's), (48, 14021), (55, 14066), (73, 14180), (100, 14369),

Gene: Relief_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Relief_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Remus_17 Start: 10711, Stop: 11223, Start Num: 32
Candidate Starts for Remus_17:
(Start: 32 @10711 has 813 MA's), (56, 10906),

Gene: ResDef_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for ResDef_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Retro23_15 Start: 11716, Stop: 12228, Start Num: 32
Candidate Starts for Retro23_15:
(Start: 24 @11680 has 3 MA's), (Start: 31 @11695 has 20 MA's), (Start: 32 @11716 has 813 MA's), (73, 12004), (78, 12031), (95, 12169),

Gene: RexFury_11 Start: 7249, Stop: 7734, Start Num: 39
Candidate Starts for RexFury_11:

(19, 7087), (Start: 39 @7249 has 36 MA's), (66, 7480), (79, 7546), (87, 7603), (104, 7717),

Gene: Rhodalysa_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Rhodalysa_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: RhynO_15 Start: 10861, Stop: 11382, Start Num: 32
Candidate Starts for RhynO_15:
(Start: 31 @10840 has 20 MA's), (Start: 32 @10861 has 813 MA's), (42, 10948),

Gene: Rhynn_14 Start: 11112, Stop: 11624, Start Num: 32
Candidate Starts for Rhynn_14:
(Start: 32 @11112 has 813 MA's), (51, 11277), (69, 11385), (91, 11523), (98, 11583), (103, 11601),

Gene: RidgeCB_14 Start: 10639, Stop: 11151, Start Num: 32
Candidate Starts for RidgeCB_14:
(14, 10453), (Start: 32 @10639 has 813 MA's), (51, 10804), (69, 10912), (91, 11050), (98, 11110), (103, 11128),

Gene: Rifter_18 Start: 11654, Stop: 12175, Start Num: 32
Candidate Starts for Rifter_18:
(17, 11558), (Start: 32 @11654 has 813 MA's), (37, 11702), (48, 11789), (63, 11894), (84, 12020),

Gene: Ringer_14 Start: 11370, Stop: 11882, Start Num: 32
Candidate Starts for Ringer_14:
(13, 11169), (14, 11184), (Start: 32 @11370 has 813 MA's), (69, 11643), (91, 11781), (98, 11841), (103, 11859),

Gene: Roary_12 Start: 9807, Stop: 10313, Start Num: 33
Candidate Starts for Roary_12:
(Start: 33 @9807 has 9 MA's), (57, 9999), (64, 10056), (70, 10080), (75, 10113), (80, 10134), (94, 10239),

Gene: RockieBear_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for RockieBear_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Rocksand_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Rocksand_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Rockstar_14 Start: 10418, Stop: 10942, Start Num: 32
Candidate Starts for Rockstar_14:
(Start: 25 @10382 has 14 MA's), (Start: 32 @10418 has 813 MA's), (53, 10595), (71, 10703), (78, 10742),

Gene: Rohr_15 Start: 11318, Stop: 11830, Start Num: 32
Candidate Starts for Rohr_15:
(13, 11117), (14, 11132), (Start: 32 @11318 has 813 MA's), (51, 11483), (69, 11591), (91, 11729), (98, 11789), (103, 11807),

Gene: Roimos_14 Start: 10515, Stop: 11036, Start Num: 32
Candidate Starts for Roimos_14:

(Start: 32 @10515 has 813 MA's), (53, 10689), (71, 10797), (78, 10836), (106, 11007),

Gene: Roksolana_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Roksolana_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: Romney_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Romney_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Roosevelt_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Roosevelt_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Rosa24_13 Start: 10915, Stop: 11427, Start Num: 32
Candidate Starts for Rosa24_13:
(Start: 25 @10882 has 14 MA's), (Start: 32 @10915 has 813 MA's), (46, 11026), (80, 11248), (89, 11314),

Gene: Rosalind_17 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for Rosalind_17:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: Rowdy_17 Start: 10772, Stop: 11293, Start Num: 32
Candidate Starts for Rowdy_17:
(Start: 31 @10751 has 20 MA's), (Start: 32 @10772 has 813 MA's), (42, 10859),

Gene: Rubeus_15 Start: 11144, Stop: 11656, Start Num: 32
Candidate Starts for Rubeus_15:
(Start: 32 @11144 has 813 MA's), (51, 11309), (69, 11417), (91, 11555), (98, 11615), (103, 11633),

Gene: Rufus_15 Start: 11201, Stop: 11713, Start Num: 32
Candidate Starts for Rufus_15:
(13, 11000), (14, 11015), (Start: 32 @11201 has 813 MA's), (51, 11366), (69, 11474), (91, 11612), (98, 11672), (103, 11690),

Gene: Ruin_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Ruin_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Rummer_16 Start: 11087, Stop: 11590, Start Num: 32
Candidate Starts for Rummer_16:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: Ruotula_13 Start: 11321, Stop: 11833, Start Num: 32
Candidate Starts for Ruotula_13:
(Start: 32 @11321 has 813 MA's), (69, 11594), (91, 11732), (98, 11792), (103, 11810),

Gene: Rutherferd_16 Start: 11662, Stop: 12174, Start Num: 32
Candidate Starts for Rutherferd_16:

(13, 11461), (14, 11476), (Start: 32 @11662 has 813 MA's), (69, 11935), (91, 12073), (98, 12133), (103, 12151),

Gene: RyeScarlet_16 Start: 12303, Stop: 12836, Start Num: 32
Candidate Starts for RyeScarlet_16:
(Start: 32 @12303 has 813 MA's), (36, 12351), (50, 12465), (73, 12606), (75, 12621), (78, 12633), (102, 12801), (103, 12804),

Gene: STLscum_15 Start: 11231, Stop: 11743, Start Num: 32
Candidate Starts for STLscum_15:
(13, 11030), (14, 11045), (Start: 32 @11231 has 813 MA's), (51, 11396), (69, 11504), (91, 11642), (98, 11702), (103, 11720),

Gene: Sabertooth_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Sabertooth_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Sabia_16 Start: 10960, Stop: 11499, Start Num: 25
Candidate Starts for Sabia_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (75, 11305), (78, 11317),

Gene: Sabinator_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Sabinator_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Sachima_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for Sachima_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: Sagefire_15 Start: 11913, Stop: 12425, Start Num: 32
Candidate Starts for Sagefire_15:
(Start: 32 @11913 has 813 MA's), (51, 12078), (69, 12186), (91, 12324), (98, 12384), (103, 12402),

Gene: Saintus_12 Start: 9818, Stop: 10330, Start Num: 33
Candidate Starts for Saintus_12:
(Start: 33 @9818 has 9 MA's), (57, 10019), (64, 10076), (70, 10100), (80, 10154), (85, 10199), (94, 10259),

Gene: Salz_15 Start: 12149, Stop: 12670, Start Num: 32
Candidate Starts for Salz_15:
(28, 12128), (Start: 32 @12149 has 813 MA's), (36, 12200), (46, 12263), (73, 12449),

Gene: Sandaddy_13 Start: 11037, Stop: 11549, Start Num: 32
Candidate Starts for Sandaddy_13:
(Start: 32 @11037 has 813 MA's), (69, 11310), (91, 11448), (98, 11508), (103, 11526),

Gene: Sanya_14 Start: 11699, Stop: 12211, Start Num: 32
Candidate Starts for Sanya_14:
(Start: 32 @11699 has 813 MA's), (69, 11972), (91, 12110), (98, 12170), (103, 12188),

Gene: SarFire_14 Start: 10897, Stop: 11409, Start Num: 32
Candidate Starts for SarFire_14:
(13, 10696), (14, 10711), (Start: 32 @10897 has 813 MA's), (51, 11062), (69, 11170), (91, 11308), (98, 11368), (103, 11386),

Gene: Saskia_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Saskia_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: SaturnRing_14 Start: 10546, Stop: 11067, Start Num: 32
Candidate Starts for SaturnRing_14:
(Start: 32 @10546 has 813 MA's), (53, 10720), (71, 10828), (78, 10867), (106, 11038),

Gene: Scamp_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Scamp_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Scherzo_16 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Scherzo_16:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: Scorpia_13 Start: 10061, Stop: 10573, Start Num: 32
Candidate Starts for Scorpia_13:
(Start: 25 @10028 has 14 MA's), (Start: 32 @10061 has 813 MA's), (45, 10154), (71, 10349), (75, 10376), (86, 10445), (92, 10478), (101, 10544),

Gene: Scout_14 Start: 9841, Stop: 10365, Start Num: 32
Candidate Starts for Scout_14:
(Start: 32 @9841 has 813 MA's), (53, 10018), (71, 10126), (78, 10165),

Gene: Scowl_15 Start: 11589, Stop: 12101, Start Num: 32
Candidate Starts for Scowl_15:
(Start: 32 @11589 has 813 MA's), (51, 11754), (69, 11862), (91, 12000), (98, 12060), (103, 12078),

Gene: Seabiscuit_16 Start: 11118, Stop: 11630, Start Num: 32
Candidate Starts for Seabiscuit_16:
(Start: 32 @11118 has 813 MA's), (69, 11391), (91, 11529), (98, 11589), (103, 11607),

Gene: Seanderson_15 Start: 11562, Stop: 12074, Start Num: 32
Candidate Starts for Seanderson_15:
(Start: 32 @11562 has 813 MA's), (51, 11727), (69, 11835), (91, 11973), (98, 12033), (103, 12051),

Gene: SemperFi_17 Start: 11993, Stop: 12505, Start Num: 32
Candidate Starts for SemperFi_17:
(Start: 24 @11957 has 3 MA's), (Start: 31 @11972 has 20 MA's), (Start: 32 @11993 has 813 MA's), (73, 12281), (78, 12308), (80, 12317), (95, 12446), (102, 12479),

Gene: SenorClean_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for SenorClean_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Serenity_14 Start: 10524, Stop: 11048, Start Num: 32

Candidate Starts for Serenity_14:
(Start: 24 @10488 has 3 MA's), (27, 10503), (Start: 32 @10524 has 813 MA's), (36, 10575), (48, 10665), (52, 10695), (75, 10839), (80, 10860), (95, 10989), (102, 11022),

Gene: Severus_13 Start: 8792, Stop: 9334, Start Num: 31
Candidate Starts for Severus_13:
(Start: 31 @8792 has 20 MA's), (Start: 32 @8813 has 813 MA's), (53, 8999),

Gene: Shaka_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Shaka_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Sham4_15 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Sham4_15:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: Shapes_17 Start: 10772, Stop: 11293, Start Num: 32
Candidate Starts for Shapes_17:
(Start: 31 @10751 has 20 MA's), (Start: 32 @10772 has 813 MA's), (42, 10859),

Gene: ShayRa_18 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for ShayRa_18:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: SheaKeira_15 Start: 10521, Stop: 11054, Start Num: 32
Candidate Starts for SheaKeira_15:
(Start: 31 @10500 has 20 MA's), (Start: 32 @10521 has 813 MA's), (36, 10572), (40, 10590), (62, 10755), (78, 10848),

Gene: Sheen_16 Start: 12621, Stop: 13130, Start Num: 32
Candidate Starts for Sheen_16:
(23, 12576), (Start: 31 @12600 has 20 MA's), (Start: 32 @12621 has 813 MA's), (63, 12861), (77, 12939), (78, 12942), (87, 13005), (88, 13008),

Gene: SheldonCooper_14 Start: 10918, Stop: 11430, Start Num: 32
Candidate Starts for SheldonCooper_14:
(Start: 25 @10885 has 14 MA's), (Start: 32 @10918 has 813 MA's), (46, 11029), (80, 11251), (89, 11317),

Gene: Shep_14 Start: 9796, Stop: 10320, Start Num: 32
Candidate Starts for Shep_14:
(Start: 32 @9796 has 813 MA's), (53, 9973), (71, 10081), (78, 10120),

Gene: ShortQueendom_14 Start: 10703, Stop: 11215, Start Num: 32
Candidate Starts for ShortQueendom_14:
(Start: 32 @10703 has 813 MA's), (51, 10868), (69, 10976), (91, 11114), (98, 11174), (103, 11192),

Gene: Shuman_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Shuman_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Shygu2_14 Start: 10943, Stop: 11458, Start Num: 32
Candidate Starts for Shygu2_14:

(Start: 25 @10910 has 14 MA's), (Start: 32 @10943 has 813 MA's), (61, 11168), (89, 11345),

Gene: Sibs6_16 Start: 11337, Stop: 11849, Start Num: 32
Candidate Starts for Sibs6_16:
(13, 11136), (14, 11151), (Start: 32 @11337 has 813 MA's), (51, 11502), (69, 11610), (91, 11748), (98, 11808), (103, 11826),

Gene: Skadoosh_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Skadoosh_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: SkiPole_16 Start: 11211, Stop: 11723, Start Num: 32
Candidate Starts for SkiPole_16:
(13, 11010), (14, 11025), (Start: 32 @11211 has 813 MA's), (69, 11484), (91, 11622), (98, 11682), (103, 11700),

Gene: Skipitt_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Skipitt_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Sknot_15 Start: 11659, Stop: 12183, Start Num: 32
Candidate Starts for Sknot_15:
(16, 11506), (Start: 24 @11623 has 3 MA's), (27, 11638), (Start: 32 @11659 has 813 MA's), (53, 11839), (73, 11959), (78, 11986), (95, 12124), (102, 12157), (104, 12166), (106, 12169),

Gene: Slagathor_15 Start: 10989, Stop: 11501, Start Num: 32
Candidate Starts for Slagathor_15:
(13, 10788), (14, 10803), (Start: 32 @10989 has 813 MA's), (51, 11154), (69, 11262), (91, 11400), (98, 11460), (103, 11478),

Gene: Smairt_15 Start: 11508, Stop: 12020, Start Num: 32
Candidate Starts for Smairt_15:
(14, 11322), (Start: 32 @11508 has 813 MA's), (51, 11673), (69, 11781), (91, 11919), (98, 11979), (103, 11997),

Gene: Smeadley_12 Start: 9840, Stop: 10346, Start Num: 33
Candidate Starts for Smeadley_12:
(Start: 33 @9840 has 9 MA's), (57, 10032), (64, 10089), (70, 10113), (75, 10146), (80, 10167), (94, 10272),

Gene: Smeagan_17 Start: 12063, Stop: 12590, Start Num: 32
Candidate Starts for Smeagan_17:
(Start: 32 @12063 has 813 MA's), (73, 12363), (75, 12378), (95, 12531), (102, 12564),

Gene: Smeagol_15 Start: 11925, Stop: 12437, Start Num: 32
Candidate Starts for Smeagol_15:
(Start: 32 @11925 has 813 MA's), (69, 12198), (91, 12336), (98, 12396), (103, 12414),

Gene: SmellyB_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for SmellyB_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: SnapTap_15 Start: 11565, Stop: 12077, Start Num: 32

Candidate Starts for SnapTap_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: Snape_15 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Snape_15:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: Snazzy_12 Start: 10518, Stop: 11030, Start Num: 32
Candidate Starts for Snazzy_12:
(Start: 32 @10518 has 813 MA's), (69, 10791), (91, 10929), (98, 10989), (103, 11007),

Gene: Snickers_16 Start: 10977, Stop: 11480, Start Num: 32
Candidate Starts for Snickers_16:
(Start: 25 @10941 has 14 MA's), (Start: 31 @10956 has 20 MA's), (Start: 32 @10977 has 813 MA's), (54, 11154), (75, 11286), (78, 11298),

Gene: SoYo_16 Start: 10914, Stop: 11417, Start Num: 32
Candidate Starts for SoYo_16:
(Start: 25 @10878 has 14 MA's), (Start: 31 @10893 has 20 MA's), (Start: 32 @10914 has 813 MA's), (54, 11091), (75, 11223), (78, 11235),

Gene: SoilDragon_16 Start: 10652, Stop: 11191, Start Num: 25
Candidate Starts for SoilDragon_16:
(Start: 25 @10652 has 14 MA's), (Start: 31 @10667 has 20 MA's), (Start: 32 @10688 has 813 MA's), (54, 10865), (75, 10997), (78, 11009),

Gene: Solon_14 Start: 11669, Stop: 12181, Start Num: 32
Candidate Starts for Solon_14:
(Start: 32 @11669 has 813 MA's), (69, 11942), (91, 12080), (98, 12140), (103, 12158),

Gene: SororFago_14 Start: 10687, Stop: 11214, Start Num: 32
Candidate Starts for SororFago_14:
(Start: 32 @10687 has 813 MA's), (50, 10855), (62, 10930), (87, 11086), (95, 11158),

Gene: Sorpresa_14 Start: 11037, Stop: 11549, Start Num: 32
Candidate Starts for Sorpresa_14:
(Start: 32 @11037 has 813 MA's), (69, 11310), (91, 11448), (98, 11508), (103, 11526),

Gene: Soshari_18 Start: 11086, Stop: 11589, Start Num: 32
Candidate Starts for Soshari_18:
(Start: 25 @11050 has 14 MA's), (Start: 31 @11065 has 20 MA's), (Start: 32 @11086 has 813 MA's), (54, 11263), (75, 11395), (78, 11407),

Gene: Soups_17 Start: 10872, Stop: 11384, Start Num: 32
Candidate Starts for Soups_17:
(Start: 32 @10872 has 813 MA's), (56, 11067),

Gene: Sparxx_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Sparxx_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Spike509_16 Start: 11087, Stop: 11590, Start Num: 32

Candidate Starts for Spike509_16:
(Start: 25 @11051 has 14 MA's), (Start: 31 @11066 has 20 MA's), (Start: 32 @11087 has 813 MA's), (54, 11264), (75, 11396), (78, 11408),

Gene: SpikeBT_16 Start: 11973, Stop: 12485, Start Num: 32
Candidate Starts for SpikeBT_16:
(Start: 32 @11973 has 813 MA's), (69, 12246), (91, 12384), (98, 12444), (103, 12462),

Gene: Spino_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Spino_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Spouty_16 Start: 12297, Stop: 12830, Start Num: 32
Candidate Starts for Spouty_16:
(Start: 32 @12297 has 813 MA's), (36, 12345), (50, 12459), (73, 12600), (75, 12615), (78, 12627), (102, 12795), (103, 12798),

Gene: Squee_15 Start: 11513, Stop: 12025, Start Num: 32
Candidate Starts for Squee_15:
(Start: 32 @11513 has 813 MA's), (51, 11678), (69, 11786), (91, 11924), (98, 11984), (103, 12002),

Gene: StCroix_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for StCroix_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (87, 7572), (104, 7686),

Gene: Stagni_16 Start: 11005, Stop: 11508, Start Num: 32
Candidate Starts for Stagni_16:
(Start: 25 @10969 has 14 MA's), (Start: 31 @10984 has 20 MA's), (Start: 32 @11005 has 813 MA's), (75, 11314), (78, 11326),

Gene: StarStuff_18 Start: 11489, Stop: 12046, Start Num: 24
Candidate Starts for StarStuff_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: Stasia_15 Start: 11385, Stop: 11897, Start Num: 32
Candidate Starts for Stasia_15:
(Start: 25 @11352 has 14 MA's), (Start: 32 @11385 has 813 MA's), (89, 11784),

Gene: SteMason_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for SteMason_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Steamy_16 Start: 12092, Stop: 12607, Start Num: 32
Candidate Starts for Steamy_16:
(Start: 32 @12092 has 813 MA's), (71, 12365), (95, 12545), (100, 12569),

Gene: StepMih_16 Start: 10996, Stop: 11499, Start Num: 32
Candidate Starts for StepMih_16:
(Start: 25 @10960 has 14 MA's), (Start: 31 @10975 has 20 MA's), (Start: 32 @10996 has 813 MA's), (54, 11173), (75, 11305), (78, 11317),

Gene: Stephig9_12 Start: 9808, Stop: 10329, Start Num: 31

Candidate Starts for Stephig9_12:
(Start: 31 @9808 has 20 MA's), (57, 10018), (64, 10075), (80, 10153), (85, 10198), (94, 10258),

Gene: StewieG_13 Start: 10885, Stop: 11397, Start Num: 32
Candidate Starts for StewieG_13:
(Start: 32 @10885 has 813 MA's), (51, 11050), (69, 11158), (91, 11296), (98, 11356), (103, 11374),

Gene: Stink_14 Start: 10908, Stop: 11420, Start Num: 32
Candidate Starts for Stink_14:
(Start: 25 @10875 has 14 MA's), (Start: 32 @10908 has 813 MA's), (46, 11019), (80, 11241), (89, 11307),

Gene: StrongArm_13 Start: 11761, Stop: 12273, Start Num: 32
Candidate Starts for StrongArm_13:
(Start: 32 @11761 has 813 MA's), (69, 12034), (91, 12172), (98, 12232), (103, 12250),

Gene: Strosahl_17 Start: 10711, Stop: 11223, Start Num: 32
Candidate Starts for Strosahl_17:
(Start: 32 @10711 has 813 MA's), (56, 10906),

Gene: Sultana_14 Start: 10940, Stop: 11452, Start Num: 32
Candidate Starts for Sultana_14:
(Start: 32 @10940 has 813 MA's), (46, 11051), (89, 11339),

Gene: Sumter_13 Start: 10628, Stop: 11140, Start Num: 32
Candidate Starts for Sumter_13:
(Start: 32 @10628 has 813 MA's), (69, 10901), (91, 11039), (98, 11099), (103, 11117),

Gene: Sunhee_14 Start: 10698, Stop: 11225, Start Num: 32
Candidate Starts for Sunhee_14:
(Start: 24 @10665 has 3 MA's), (Start: 32 @10698 has 813 MA's), (50, 10866), (62, 10941), (65, 10971), (78, 11034), (87, 11097), (95, 11169),

Gene: Sunshine924_13 Start: 10612, Stop: 11124, Start Num: 32
Candidate Starts for Sunshine924_13:
(14, 10426), (Start: 32 @10612 has 813 MA's), (69, 10885), (91, 11023), (98, 11083), (103, 11101),

Gene: SuperAwesome_18 Start: 11667, Stop: 12197, Start Num: 32
Candidate Starts for SuperAwesome_18:
(Start: 32 @11667 has 813 MA's), (48, 11811), (62, 11904), (63, 11916), (84, 12042),

Gene: SuperCallie99_18 Start: 11668, Stop: 12198, Start Num: 32
Candidate Starts for SuperCallie99_18:
(Start: 32 @11668 has 813 MA's), (48, 11812), (62, 11905), (63, 11917), (84, 12043),

Gene: Superchunk_14 Start: 10281, Stop: 10805, Start Num: 32
Candidate Starts for Superchunk_14:
(Start: 32 @10281 has 813 MA's), (40, 10350), (48, 10422), (52, 10452), (75, 10596), (80, 10617), (95, 10743), (102, 10776), (104, 10785),

Gene: Swann_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for Swann_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: SweetiePie_15 Start: 11565, Stop: 12077, Start Num: 32
Candidate Starts for SweetiePie_15:
(Start: 24 @11529 has 3 MA's), (Start: 31 @11544 has 20 MA's), (Start: 32 @11565 has 813 MA's), (73, 11853), (78, 11880), (95, 12018),

Gene: SwirlSquare_16 Start: 10437, Stop: 10958, Start Num: 32
Candidate Starts for SwirlSquare_16:
(Start: 24 @10401 has 3 MA's), (27, 10416), (Start: 32 @10437 has 813 MA's), (36, 10488), (43, 10524), (48, 10578), (52, 10608), (75, 10752), (80, 10773), (95, 10899), (102, 10932),

Gene: Swirley_12 Start: 10233, Stop: 10742, Start Num: 32
Candidate Starts for Swirley_12:
(Start: 32 @10233 has 813 MA's), (45, 10323), (63, 10476), (71, 10518), (75, 10545), (80, 10566), (86, 10614),

Gene: SwissCheese_14 Start: 11073, Stop: 11585, Start Num: 32
Candidate Starts for SwissCheese_14:
(Start: 32 @11073 has 813 MA's), (69, 11346), (91, 11484), (98, 11544), (103, 11562),

Gene: Switzer_15 Start: 10996, Stop: 11508, Start Num: 32
Candidate Starts for Switzer_15:
(Start: 32 @10996 has 813 MA's), (51, 11161), (69, 11269), (91, 11407), (98, 11467), (103, 11485),

Gene: Switzerland_17 Start: 10868, Stop: 11377, Start Num: 32
Candidate Starts for Switzerland_17:
(Start: 32 @10868 has 813 MA's),

Gene: Swole_16 Start: 11543, Stop: 12055, Start Num: 32
Candidate Starts for Swole_16:
(13, 11342), (14, 11357), (Start: 32 @11543 has 813 MA's), (51, 11708), (69, 11816), (91, 11954), (98, 12014), (103, 12032),

Gene: SydNat_12 Start: 10340, Stop: 10849, Start Num: 32
Candidate Starts for SydNat_12:
(Start: 32 @10340 has 813 MA's), (45, 10430), (63, 10583), (71, 10625), (75, 10652), (86, 10721),

Gene: TNguyen7_14 Start: 10516, Stop: 11037, Start Num: 32
Candidate Starts for TNguyen7_14:
(Start: 32 @10516 has 813 MA's), (53, 10690), (71, 10798), (78, 10837), (106, 11008),

Gene: TWAMP_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for TWAMP_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Tailonex_12 Start: 10535, Stop: 11017, Start Num: 38
Candidate Starts for Tailonex_12:
(38, 10535), (87, 10883),

Gene: Takoda_11 Start: 7195, Stop: 7680, Start Num: 39
Candidate Starts for Takoda_11:
(19, 7033), (Start: 39 @7195 has 36 MA's), (66, 7426), (79, 7492), (87, 7549),

Gene: Taquarus_14 Start: 10942, Stop: 11454, Start Num: 32
Candidate Starts for Taquarus_14:
(Start: 32 @10942 has 813 MA's), (46, 11053), (89, 11341),

Gene: Target_16 Start: 11865, Stop: 12362, Start Num: 32
Candidate Starts for Target_16:
(Start: 32 @11865 has 813 MA's), (62, 12081), (63, 12093), (80, 12183), (93, 12270), (100, 12330),

Gene: TarsusIV_15 Start: 11649, Stop: 12176, Start Num: 32
Candidate Starts for TarsusIV_15:
(Start: 32 @11649 has 813 MA's), (73, 11949), (75, 11964), (80, 11985), (95, 12117), (102, 12150),

Gene: Tarynearal_11 Start: 10260, Stop: 10769, Start Num: 32
Candidate Starts for Tarynearal_11:
(Start: 32 @10260 has 813 MA's), (45, 10350), (63, 10503), (71, 10545), (75, 10572), (80, 10593), (86, 10641),

Gene: Tasp14_15 Start: 11313, Stop: 11825, Start Num: 32
Candidate Starts for Tasp14_15:
(Start: 32 @11313 has 813 MA's), (69, 11586), (91, 11724), (98, 11784), (103, 11802),

Gene: Taurus_16 Start: 11001, Stop: 11504, Start Num: 32
Candidate Starts for Taurus_16:
(Start: 25 @10965 has 14 MA's), (Start: 31 @10980 has 20 MA's), (Start: 32 @11001 has 813 MA's), (54, 11178), (75, 11310), (78, 11322),

Gene: Temprado_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Temprado_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: Teodoridan_12 Start: 10445, Stop: 10957, Start Num: 32
Candidate Starts for Teodoridan_12:
(Start: 32 @10445 has 813 MA's), (69, 10718), (91, 10856), (98, 10916), (103, 10934),

Gene: Terrific_17 Start: 12113, Stop: 12637, Start Num: 32
Candidate Starts for Terrific_17:
(16, 11960), (Start: 24 @12077 has 3 MA's), (27, 12092), (Start: 32 @12113 has 813 MA's), (53, 12293), (73, 12413), (78, 12440), (80, 12449), (95, 12578), (102, 12611), (104, 12620), (106, 12623),

Gene: Texage_14 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Texage_14:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Thanksgivukkah_14 Start: 10944, Stop: 11456, Start Num: 32
Candidate Starts for Thanksgivukkah_14:
(Start: 32 @10944 has 813 MA's), (46, 11055), (89, 11343),

Gene: Theia_11 Start: 10199, Stop: 10708, Start Num: 32
Candidate Starts for Theia_11:
(Start: 32 @10199 has 813 MA's), (45, 10289), (63, 10442), (71, 10484), (75, 10511), (80, 10532), (86, 10580),

Gene: TheloniousMonk_16 Start: 12056, Stop: 12568, Start Num: 32
Candidate Starts for TheloniousMonk_16:
(Start: 32 @12056 has 813 MA's), (51, 12221), (69, 12329), (91, 12467), (98, 12527), (103, 12545),

Gene: Thor_14 Start: 10897, Stop: 11409, Start Num: 32
Candidate Starts for Thor_14:
(13, 10696), (14, 10711), (Start: 32 @10897 has 813 MA's), (51, 11062), (69, 11170), (91, 11308), (98, 11368), (103, 11386),

Gene: Tiffany_16 Start: 10876, Stop: 11400, Start Num: 31
Candidate Starts for Tiffany_16:
(Start: 25 @10861 has 14 MA's), (Start: 31 @10876 has 20 MA's), (Start: 32 @10897 has 813 MA's), (54, 11074), (75, 11206), (78, 11218),

Gene: Tiger_12 Start: 10080, Stop: 10589, Start Num: 32
Candidate Starts for Tiger_12:
(Start: 32 @10080 has 813 MA's), (45, 10170), (63, 10323), (71, 10365), (75, 10392), (80, 10413), (86, 10461),

Gene: Timothy_15 Start: 12152, Stop: 12673, Start Num: 32
Candidate Starts for Timothy_15:
(28, 12131), (Start: 32 @12152 has 813 MA's), (36, 12203), (46, 12266), (73, 12452),

Gene: Timshel_15 Start: 12520, Stop: 13020, Start Num: 32
Candidate Starts for Timshel_15:
(Start: 32 @12520 has 813 MA's), (43, 12589), (46, 12616), (78, 12829), (87, 12892), (99, 12985), (100, 12988), (101, 12994),

Gene: TinaFeyge_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for TinaFeyge_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: TinyPebbles_16 Start: 11086, Stop: 11589, Start Num: 32
Candidate Starts for TinyPebbles_16:
(Start: 25 @11050 has 14 MA's), (Start: 31 @11065 has 20 MA's), (Start: 32 @11086 has 813 MA's), (54, 11263), (75, 11395), (78, 11407),

Gene: TinyTimmy_15 Start: 12204, Stop: 12725, Start Num: 32
Candidate Starts for TinyTimmy_15:
(28, 12183), (Start: 32 @12204 has 813 MA's), (36, 12255), (46, 12318), (73, 12504),

Gene: Tinybot_13 Start: 10920, Stop: 11432, Start Num: 32
Candidate Starts for Tinybot_13:
(Start: 25 @10887 has 14 MA's), (Start: 32 @10920 has 813 MA's), (46, 11031), (80, 11253), (89, 11319),

Gene: TipsytheTRex_14 Start: 10661, Stop: 11185, Start Num: 32
Candidate Starts for TipsytheTRex_14:
(Start: 32 @10661 has 813 MA's), (40, 10727), (48, 10799), (63, 10904), (84, 11030),

Gene: TiroTheta9_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for TiroTheta9_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Toaka_14 Start: 10643, Stop: 11161, Start Num: 32
Candidate Starts for Toaka_14:
(Start: 32 @10643 has 813 MA's), (44, 10733), (45, 10739), (60, 10853), (102, 11126),

Gene: Todacoro_15 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Todacoro_15:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Tomathan_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for Tomathan_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: ToneTone_17 Start: 11594, Stop: 12115, Start Num: 32
Candidate Starts for ToneTone_17:
(17, 11498), (Start: 32 @11594 has 813 MA's), (37, 11642), (48, 11729), (63, 11834), (84, 11960),

Gene: Topanga_14 Start: 10833, Stop: 11354, Start Num: 32
Candidate Starts for Topanga_14:
(Start: 31 @10812 has 20 MA's), (Start: 32 @10833 has 813 MA's), (42, 10920),

Gene: Topgun_14 Start: 10802, Stop: 11314, Start Num: 32
Candidate Starts for Topgun_14:
(9, 10556), (13, 10601), (14, 10616), (Start: 32 @10802 has 813 MA's), (69, 11075), (91, 11213), (98, 11273), (103, 11291),

Gene: Toro_17 Start: 12563, Stop: 13072, Start Num: 32
Candidate Starts for Toro_17:
(23, 12518), (Start: 31 @12542 has 20 MA's), (Start: 32 @12563 has 813 MA's), (63, 12803), (77, 12881), (78, 12884), (87, 12947), (88, 12950),

Gene: Tote_16 Start: 11543, Stop: 12055, Start Num: 32
Candidate Starts for Tote_16:
(13, 11342), (14, 11357), (Start: 32 @11543 has 813 MA's), (51, 11708), (69, 11816), (91, 11954), (98, 12014), (103, 12032),

Gene: Traft412_16 Start: 11724, Stop: 12236, Start Num: 32
Candidate Starts for Traft412_16:
(14, 11538), (Start: 32 @11724 has 813 MA's), (51, 11889), (69, 11997), (91, 12135), (98, 12195), (103, 12213),

Gene: Travvers_18 Start: 11525, Stop: 12046, Start Num: 32
Candidate Starts for Travvers_18:
(Start: 24 @11489 has 3 MA's), (27, 11504), (Start: 32 @11525 has 813 MA's), (36, 11576), (75, 11840), (80, 11861), (102, 12020),

Gene: Treddle_16 Start: 12039, Stop: 12551, Start Num: 32
Candidate Starts for Treddle_16:
(14, 11853), (Start: 32 @12039 has 813 MA's), (69, 12312), (91, 12450), (98, 12510), (103, 12528),

Gene: Trike_12 Start: 8784, Stop: 9326, Start Num: 31
Candidate Starts for Trike_12:

(Start: 31 @8784 has 20 MA's), (Start: 32 @8805 has 813 MA's), (53, 8991),

Gene: Tripl3t_15 Start: 11724, Stop: 12236, Start Num: 32
Candidate Starts for Tripl3t_15:
(Start: 32 @11724 has 813 MA's), (51, 11889), (69, 11997), (91, 12135), (98, 12195), (103, 12213),

Gene: Tristan_16 Start: 13375, Stop: 13890, Start Num: 32
Candidate Starts for Tristan_16:
(Start: 32 @13375 has 813 MA's), (43, 13456), (87, 13759), (95, 13834),

Gene: Trixie_18 Start: 13264, Stop: 13788, Start Num: 32
Candidate Starts for Trixie_18:
(28, 13243), (Start: 32 @13264 has 813 MA's), (40, 13333), (63, 13510), (95, 13729),

Gene: Trooper_15 Start: 11440, Stop: 11967, Start Num: 32
Candidate Starts for Trooper_15:
(1, 11092), (7, 11164), (16, 11284), (17, 11341), (Start: 32 @11440 has 813 MA's), (51, 11608), (63, 11686), (95, 11908), (102, 11941),

Gene: Trouble_14 Start: 11374, Stop: 11886, Start Num: 32
Candidate Starts for Trouble_14:
(Start: 32 @11374 has 813 MA's), (69, 11647), (91, 11785), (98, 11845), (103, 11863),

Gene: TroyPia_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for TroyPia_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Tubs_16 Start: 12267, Stop: 12800, Start Num: 32
Candidate Starts for Tubs_16:
(Start: 32 @12267 has 813 MA's), (36, 12315), (50, 12429), (73, 12570), (75, 12585), (78, 12597), (102, 12765), (103, 12768),

Gene: Tucker_18 Start: 11681, Stop: 12202, Start Num: 32
Candidate Starts for Tucker_18:
(17, 11585), (Start: 32 @11681 has 813 MA's), (37, 11729), (48, 11816), (62, 11909), (63, 11921), (84, 12047),

Gene: Turbido_17 Start: 12090, Stop: 12617, Start Num: 32
Candidate Starts for Turbido_17:
(Start: 32 @12090 has 813 MA's), (73, 12390), (75, 12405), (80, 12426), (95, 12558), (102, 12591),

Gene: Turj99_13 Start: 10817, Stop: 11329, Start Num: 32
Candidate Starts for Turj99_13:
(Start: 32 @10817 has 813 MA's), (69, 11090), (91, 11228), (98, 11288), (103, 11306),

Gene: Twigg_12 Start: 10232, Stop: 10741, Start Num: 32
Candidate Starts for Twigg_12:
(Start: 32 @10232 has 813 MA's), (45, 10322), (63, 10475), (71, 10517), (75, 10544), (80, 10565), (86, 10613),

Gene: Twister_14 Start: 10732, Stop: 11253, Start Num: 32
Candidate Starts for Twister_14:
(Start: 31 @10711 has 20 MA's), (Start: 32 @10732 has 813 MA's), (42, 10819),

Gene: TwoPeat_15 Start: 11336, Stop: 11848, Start Num: 32
Candidate Starts for TwoPeat_15:
(Start: 32 @11336 has 813 MA's), (51, 11501), (69, 11609), (91, 11747), (98, 11807), (103, 11825),

Gene: TygerBlood_14 Start: 10941, Stop: 11453, Start Num: 32
Candidate Starts for TygerBlood_14:
(Start: 32 @10941 has 813 MA's), (46, 11052), (89, 11340),

Gene: U2_14 Start: 10998, Stop: 11510, Start Num: 32
Candidate Starts for U2_14:
(Start: 32 @10998 has 813 MA's), (51, 11163), (69, 11271), (91, 11409), (98, 11469), (103, 11487),

Gene: Ugenie5_13 Start: 12300, Stop: 12833, Start Num: 32
Candidate Starts for Ugenie5_13:
(Start: 32 @12300 has 813 MA's), (36, 12348), (50, 12462), (73, 12603), (75, 12618), (78, 12630), (102, 12798), (103, 12801),

Gene: UhSalsa_11 Start: 7218, Stop: 7703, Start Num: 39
Candidate Starts for UhSalsa_11:
(19, 7056), (Start: 39 @7218 has 36 MA's), (66, 7449), (79, 7515), (87, 7572), (104, 7686),

Gene: Ulysses_13 Start: 10660, Stop: 11172, Start Num: 32
Candidate Starts for Ulysses_13:
(Start: 25 @10627 has 14 MA's), (Start: 32 @10660 has 813 MA's), (73, 10957), (89, 11059),

Gene: UnionJack_12 Start: 9800, Stop: 10312, Start Num: 32
Candidate Starts for UnionJack_12:
(Start: 32 @9800 has 813 MA's), (45, 9893), (71, 10088), (75, 10115), (86, 10184), (92, 10217), (101, 10283),

Gene: Updawg_17 Start: 12101, Stop: 12625, Start Num: 32
Candidate Starts for Updawg_17:
(16, 11948), (Start: 24 @12065 has 3 MA's), (27, 12080), (Start: 32 @12101 has 813 MA's), (53, 12281), (73, 12401), (78, 12428), (95, 12566), (102, 12599), (104, 12608), (106, 12611),

Gene: VA6_15 Start: 11619, Stop: 12140, Start Num: 32
Candidate Starts for VA6_15:
(Start: 24 @11583 has 3 MA's), (Start: 31 @11598 has 20 MA's), (Start: 32 @11619 has 813 MA's), (73, 11916), (78, 11943), (95, 12081),

Gene: VC3_18 Start: 11582, Stop: 12103, Start Num: 32
Candidate Starts for VC3_18:
(21, 11534), (Start: 32 @11582 has 813 MA's), (48, 11726), (49, 11741), (63, 11831), (73, 11885), (75, 11900), (95, 12044), (102, 12077),

Gene: Vanisoa_14 Start: 10356, Stop: 10880, Start Num: 32
Candidate Starts for Vanisoa_14:
(Start: 32 @10356 has 813 MA's), (40, 10419), (45, 10455), (102, 10845), (103, 10848),

Gene: Veracruz_14 Start: 11093, Stop: 11602, Start Num: 32
Candidate Starts for Veracruz_14:
(17, 10988), (Start: 32 @11093 has 813 MA's), (71, 11375), (78, 11414), (101, 11573),

Gene: Violet_13 Start: 11633, Stop: 12145, Start Num: 32
Candidate Starts for Violet_13:
(9, 11387), (13, 11432), (14, 11447), (Start: 32 @11633 has 813 MA's), (69, 11906), (91, 12044), (98, 12104), (103, 12122),

Gene: Vix_16 Start: 11064, Stop: 11588, Start Num: 31
Candidate Starts for Vix_16:
(Start: 25 @11049 has 14 MA's), (Start: 31 @11064 has 20 MA's), (Start: 32 @11085 has 813 MA's), (54, 11262), (75, 11394), (78, 11406),

Gene: VohminGhazi_18 Start: 11677, Stop: 12207, Start Num: 32
Candidate Starts for VohminGhazi_18:
(Start: 32 @11677 has 813 MA's), (48, 11821), (62, 11914), (63, 11926), (84, 12052),

Gene: Waits_17 Start: 10717, Stop: 11229, Start Num: 32
Candidate Starts for Waits_17:
(Start: 32 @10717 has 813 MA's), (56, 10912),

Gene: WalterMcMickey_14 Start: 10732, Stop: 11253, Start Num: 32
Candidate Starts for WalterMcMickey_14:
(Start: 31 @10711 has 20 MA's), (Start: 32 @10732 has 813 MA's), (42, 10819),

Gene: Wander_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for Wander_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Warrior24_17 Start: 10721, Stop: 11233, Start Num: 32
Candidate Starts for Warrior24_17:
(Start: 32 @10721 has 813 MA's), (56, 10916),

Gene: Watermelon_16 Start: 11925, Stop: 12437, Start Num: 32
Candidate Starts for Watermelon_16:
(14, 11739), (Start: 32 @11925 has 813 MA's), (69, 12198), (91, 12336), (98, 12396), (103, 12414),

Gene: Watson_16 Start: 10995, Stop: 11498, Start Num: 32
Candidate Starts for Watson_16:
(Start: 25 @10959 has 14 MA's), (Start: 31 @10974 has 20 MA's), (Start: 32 @10995 has 813 MA's), (54, 11172), (75, 11304), (78, 11316),

Gene: WeiHuaDA_20 Start: 13865, Stop: 14389, Start Num: 32
Candidate Starts for WeiHuaDA_20:
(28, 13844), (Start: 32 @13865 has 813 MA's), (63, 14111), (95, 14330),

Gene: Whabigail7_17 Start: 12078, Stop: 12605, Start Num: 32
Candidate Starts for Whabigail7_17:
(Start: 32 @12078 has 813 MA's), (73, 12378), (75, 12393), (95, 12546), (102, 12579),

Gene: Wheeler_14 Start: 11091, Stop: 11603, Start Num: 32
Candidate Starts for Wheeler_14:
(13, 10890), (14, 10905), (Start: 32 @11091 has 813 MA's), (51, 11256), (69, 11364), (91, 11502), (98, 11562), (103, 11580),

Gene: Whitspit_15 Start: 11707, Stop: 12204, Start Num: 32
Candidate Starts for Whitspit_15:
(Start: 32 @11707 has 813 MA's), (62, 11923), (63, 11935), (80, 12025), (93, 12112), (96, 12154), (100, 12172),

Gene: WideWale_17 Start: 12101, Stop: 12625, Start Num: 32
Candidate Starts for WideWale_17:
(16, 11948), (Start: 24 @12065 has 3 MA's), (27, 12080), (Start: 32 @12101 has 813 MA's), (53, 12281), (73, 12401), (78, 12428), (95, 12566), (102, 12599), (104, 12608), (106, 12611),

Gene: Wiks_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for Wiks_18:
(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: Wilbur_14 Start: 10938, Stop: 11450, Start Num: 32
Candidate Starts for Wilbur_14:
(Start: 32 @10938 has 813 MA's), (46, 11049), (89, 11337),

Gene: Wile_14 Start: 10956, Stop: 11471, Start Num: 32
Candidate Starts for Wile_14:
(4, 10665), (8, 10716), (11, 10752), (12, 10755), (Start: 25 @10923 has 14 MA's), (Start: 32 @10956 has 813 MA's), (89, 11358),

Gene: Wilkins_14 Start: 10802, Stop: 11314, Start Num: 32
Candidate Starts for Wilkins_14:
(9, 10556), (13, 10601), (14, 10616), (Start: 32 @10802 has 813 MA's), (69, 11075), (91, 11213), (98, 11273), (103, 11291),

Gene: Wizard007_14 Start: 10941, Stop: 11453, Start Num: 32
Candidate Starts for Wizard007_14:
(Start: 32 @10941 has 813 MA's), (46, 11052), (89, 11340),

Gene: Wolpertinger_14 Start: 12155, Stop: 12676, Start Num: 32
Candidate Starts for Wolpertinger_14:
(28, 12134), (Start: 32 @12155 has 813 MA's), (36, 12206), (46, 12269), (73, 12455),

Gene: Wooldri_18 Start: 10878, Stop: 11417, Start Num: 25
Candidate Starts for Wooldri_18:
(Start: 25 @10878 has 14 MA's), (Start: 31 @10893 has 20 MA's), (Start: 32 @10914 has 813 MA's), (54, 11091), (75, 11223), (78, 11235),

Gene: WorldCup_13 Start: 10342, Stop: 10866, Start Num: 32
Candidate Starts for WorldCup_13:
(Start: 32 @10342 has 813 MA's), (40, 10405), (45, 10441), (102, 10831), (103, 10834),

Gene: WunderPhul_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for WunderPhul_18:
(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: Xena_14 Start: 10943, Stop: 11458, Start Num: 32
Candidate Starts for Xena_14:
(4, 10652), (8, 10703), (11, 10739), (12, 10742), (Start: 25 @10910 has 14 MA's), (Start: 32 @10943 has 813 MA's), (89, 11345),

Gene: XianYue_15 Start: 11556, Stop: 12080, Start Num: 32
Candidate Starts for XianYue_15:
(Start: 32 @11556 has 813 MA's), (36, 11607), (95, 12021),

Gene: Yecey3_15 Start: 10453, Stop: 10974, Start Num: 32
Candidate Starts for Yecey3_15:
(Start: 32 @10453 has 813 MA's), (40, 10516), (45, 10552), (73, 10747), (78, 10774),

Gene: YoSam321_14 Start: 10939, Stop: 11451, Start Num: 32
Candidate Starts for YoSam321_14:
(Start: 32 @10939 has 813 MA's), (46, 11050), (89, 11338),

Gene: Yogi_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Yogi_11:
(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: Yokurt_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for Yokurt_18:
(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: Yoncess_11 Start: 7203, Stop: 7688, Start Num: 39
Candidate Starts for Yoncess_11:
(19, 7041), (Start: 39 @7203 has 36 MA's), (66, 7434), (79, 7500), (87, 7557),

Gene: Zaka_18 Start: 11662, Stop: 12183, Start Num: 32
Candidate Starts for Zaka_18:
(17, 11566), (Start: 32 @11662 has 813 MA's), (37, 11710), (48, 11797), (63, 11902), (84, 12028),

Gene: ZamZam_9 Start: 6698, Stop: 7228, Start Num: 20
Candidate Starts for ZamZam_9:
(Start: 20 @6698 has 1 MA's), (30, 6740), (47, 6872), (67, 7010), (69, 7013), (71, 7022), (97, 7187),

Gene: Zarafa_14 Start: 10608, Stop: 11129, Start Num: 32
Candidate Starts for Zarafa_14:
(Start: 32 @10608 has 813 MA's), (53, 10782), (71, 10890), (78, 10929), (106, 11100),

Gene: Zeeculate_13 Start: 10786, Stop: 11298, Start Num: 32
Candidate Starts for Zeeculate_13:
(13, 10585), (14, 10600), (Start: 32 @10786 has 813 MA's), (51, 10951), (69, 11059), (91, 11197), (98, 11257), (103, 11275),

Gene: Zephyr_14 Start: 10926, Stop: 11438, Start Num: 32
Candidate Starts for Zephyr_14:
(Start: 32 @10926 has 813 MA's), (51, 11091), (69, 11199), (91, 11337), (98, 11397), (103, 11415),

Gene: Zetzy_15 Start: 10568, Stop: 11059, Start Num: 32
Candidate Starts for Zetzy_15:
(Start: 25 @10532 has 14 MA's), (Start: 31 @10547 has 20 MA's), (Start: 32 @10568 has 813 MA's), (53, 10730), (75, 10865), (78, 10877),

Gene: Zeuska_15 Start: 11605, Stop: 12117, Start Num: 32
Candidate Starts for Zeuska_15:

(Start: 32 @11605 has 813 MA's), (69, 11878), (91, 12016), (98, 12076), (103, 12094),

Gene: Zimmer_17 Start: 13146, Stop: 13670, Start Num: 32
Candidate Starts for Zimmer_17:
(Start: 32 @13146 has 813 MA's), (73, 13434), (100, 13623),

Gene: Zolita_11 Start: 10341, Stop: 10850, Start Num: 32
Candidate Starts for Zolita_11:
(Start: 32 @10341 has 813 MA's), (45, 10431), (63, 10584), (71, 10626), (75, 10653), (86, 10722),

Gene: Zulu_18 Start: 11661, Stop: 12182, Start Num: 32
Candidate Starts for Zulu_18:
(17, 11565), (Start: 32 @11661 has 813 MA's), (37, 11709), (48, 11796), (63, 11901), (84, 12027),