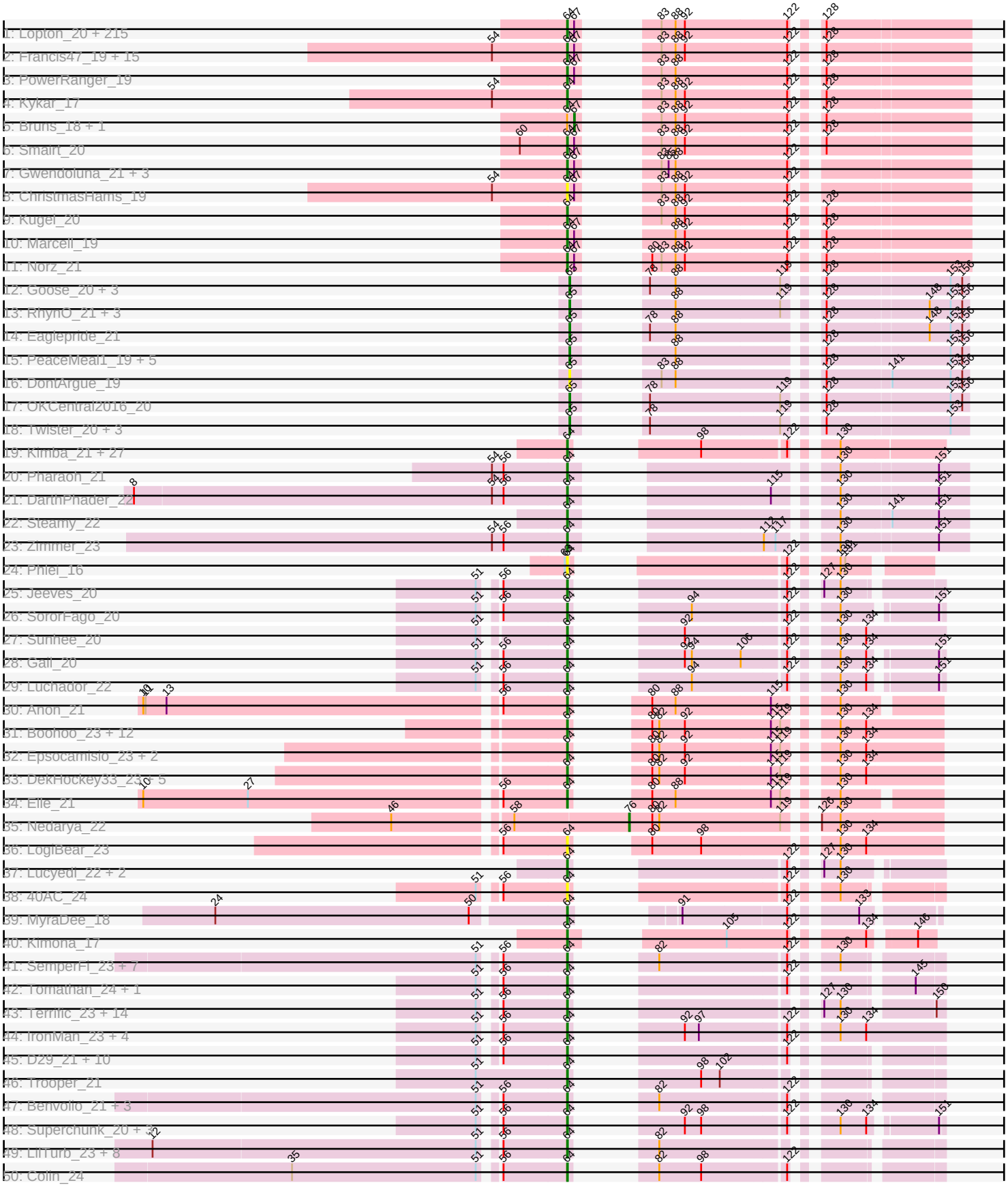
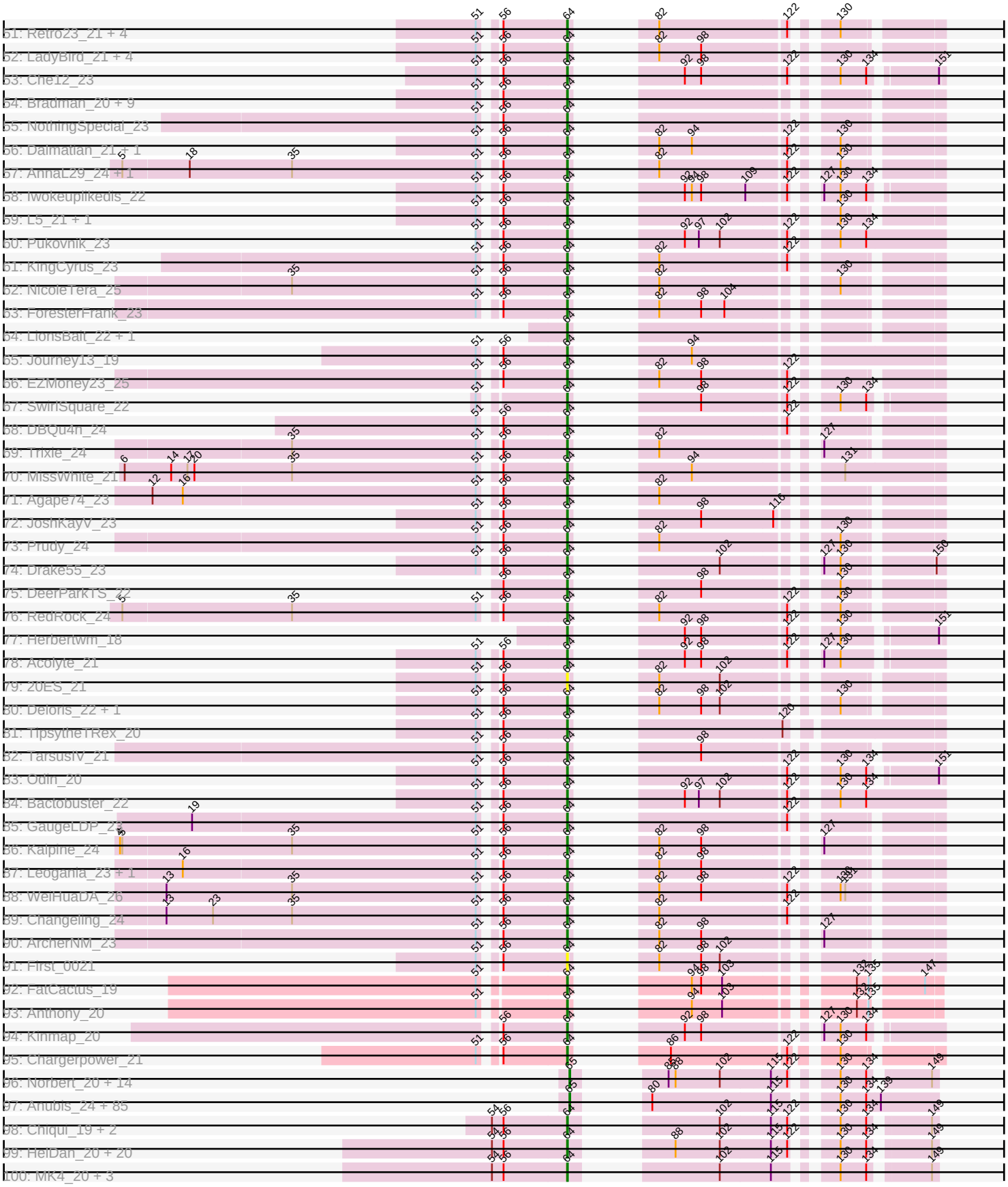
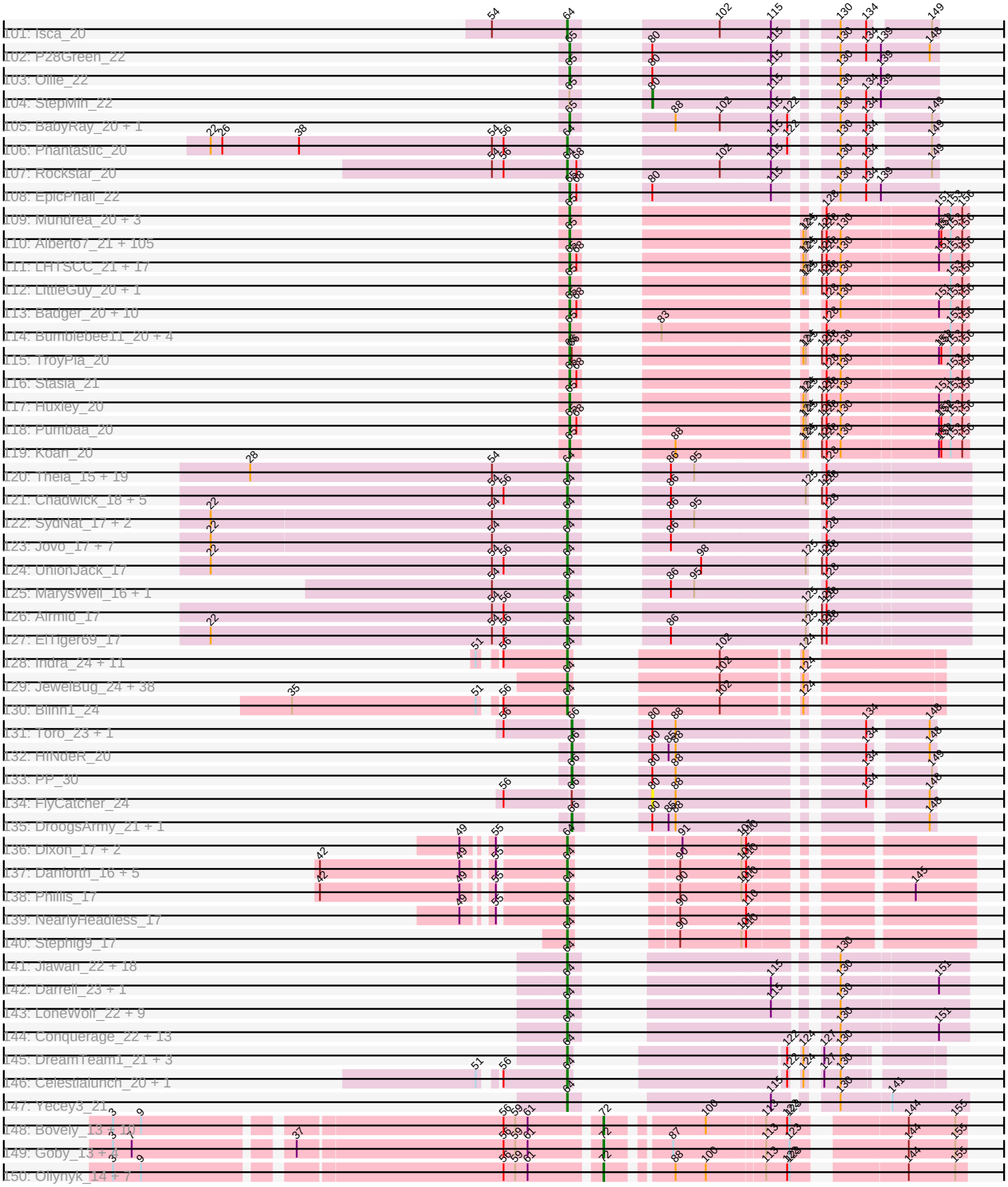
Pham 347020


1: Lopton_20 + 215
2: Francis47_19 + 15
3: PowerRanger_19
4: Kykar_17
5: Bruns_18 + 1
6: Smairt_20
7: Gwendoluna_21 + 3
8: ChristmasHams_19
9: Kugel_20
10: Marcell_19
11: Norz_21
12: Goose_20 + 3
13: RhynO_21 + 3
14: Eaglepride_21
15: PeaceMeal1_19 + 5
16: DontArgue_19
17: OKCentral2016_20
18: Twister_20 + 3
19: Kimba_21 + 27
20: Pharaon_21
21: DarthPhader_22
22: Steamy_22
23: Zimmer_23
24: Phiel_16
25: Jeeves_20
26: SororFago_20
27: Sunnee_20
28: Gail_20
29: Luchador_22
30: Anon_21
31: Boohoo_23 + 12
32: Epsocamislo_23 + 2
33: DekHockey33_23 + 5
34: Elle_21
35: Nedarya_22
36: LogiBear_23
37: Lucyedi_22 + 2
38: 40AC_24
39: MyraDee_18
40: Kimona_17
41: SemperFi_23 + 7
42: Tomathan_24 + 1
43: Terrific_23 + 14
44: IronMan_23 + 4
45: D29_21 + 10
46: Trooper_21
47: Benvolio_21 + 3
48: Superchunk_20 + 3
49: LilTurb_23 + 8
50: Colin_24

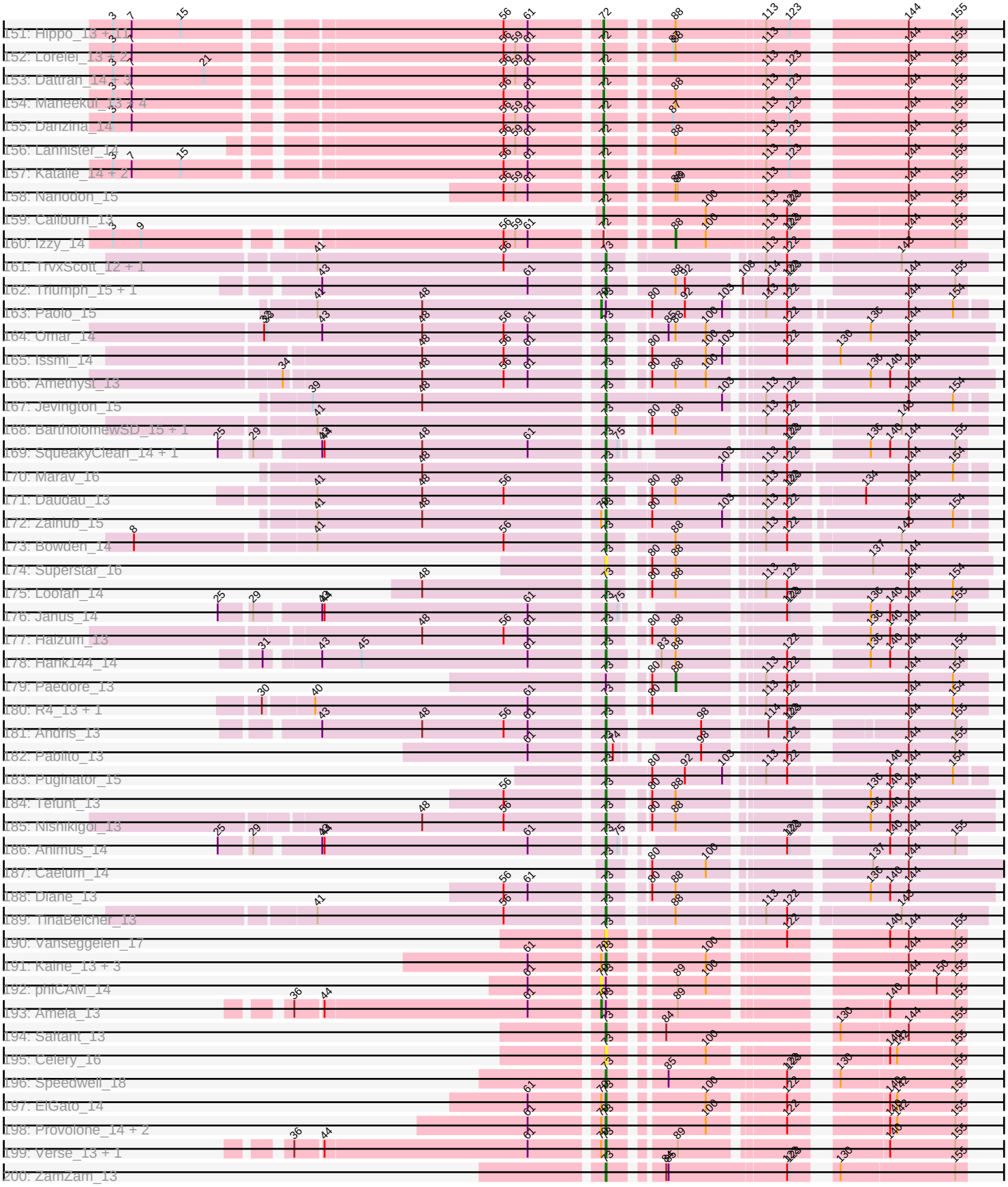
Pham 347020


51: Retro23_21 + 4
52: LadyBird_21 + 4
53: Che12_23
54: Bradman_20 + 9
55: NothingSpecial_23
56: Dalmatian_21 + 1
57: AnnaL29_24 + 1
58: Iwokeuplikedis_22
59: L5_21 + 1
60: Pukovnik_23
61: KingCyrus_23
62: NicoleTera_25
63: ForesterFrank_23
64: LionsBait_22 + 1
65: Journey13_19
66: EZMoney23_25
67: SwimSquare_22
68: DBQu4n_24
69: Trixie_24
70: MissWhite_21
71: Agape74_23
72: JoshKayV_23
73: Prudy_24
74: Drake55_23
75: DeerParkTS_22
76: RedRock_24
77: Herbertwm_18
78: Acolyte_21
79: 20ES_21
80: Delons_22 + 1
81: TipsytheTRex_20
82: TarsusIV_21
83: Odin_20
84: Bactobuster_22
85: GaugeLDP_23
86: Kalpine_24
87: Leogania_23 + 1
88: WeiHuaDA_26
89: Changeling_24
90: ArcherNM_23
91: First_0021
92: FatCactus_19
93: Anthony_20
94: Kinmap_20
95: Chargerpower_21
96: Norbert_20 + 14
97: Anubis_24 + 85
98: Chiqui_19 + 2
99: HelDan_20 + 20
100: MK4_20 + 3

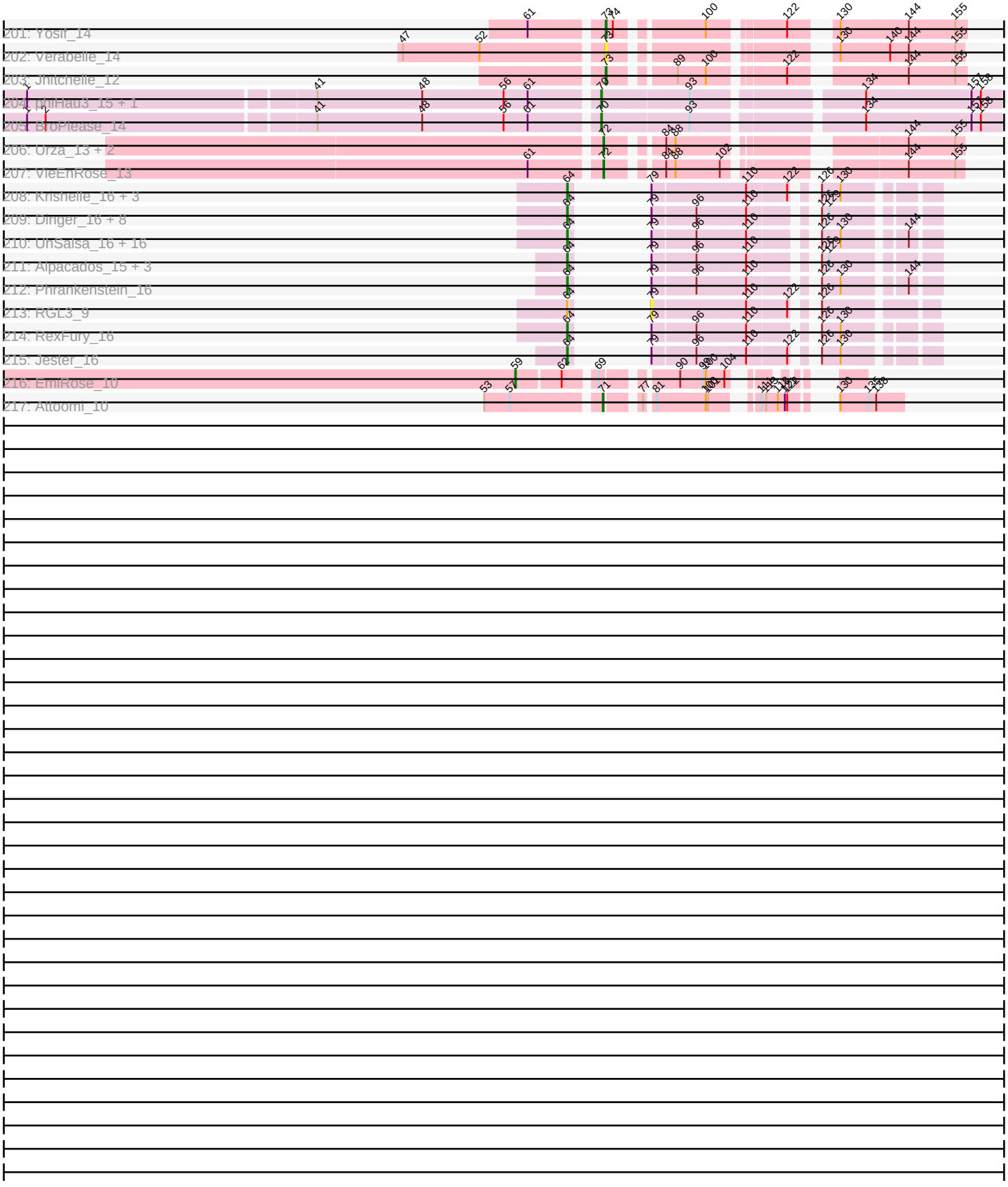
Pham 347020



Pham 347020



Pham 347020


201: Yosif_14
202: Verabelle_14
203: Jnitchelle_12
204: PhiHau3_15 + 1
205: BroPlease_14
206: Urza_13 + 2
207: VieEnRose_13
208: Krishelle_16 + 3
209: Dinger_16 + 8
210: UnSalsa_16 + 16
211: Alpacados_15 + 3
212: Phrankenstein_16
213: RGL3_9
214: RexFury_16
215: Jester_16
216: EmiRose_10
217: Attooml_10

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 347020 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 347020 has 1075 members, 67 are drafts.

Phages represented in each track:
• Track 1 : Lopton_20, Parliament_18, Paraselene_18, CartmannCramer_19, Aldrich_20, Sunshine924_18, GroundGoblin_20, Squee_20, Hope4ever_19, Euphoria_19, Bigfoot_18, BeesKnees_20, Michley_19, Sorpresa_19, Marsha_19, Thor_19, Fushigi_20, Cueylyss_19, Gandalf20_20, Mryolo_18, BillKnuckles_20, Arcanine_20, Monet_21, Peterson_22, MetalQZJ_19, Corvo_19, StrongArm_18, Graduation_21, Levia_19, Licorice_21, Rohr_20, Dussy_20, MaryBeth_19, McSinger_20, Solon_19, Bigchungi_19, Blue_19, Sumter_18, Petp2012_21, Snazzy_17, Magnito_18, Payneful_19, Target_21, A6_17, Abbyshoes_20, GMonster_18, Briton15_21, MPlant7149_18, Acme_21, Makemake_19, Barriga_19, Zeuska_20, HermioneGrange_19, AFIS_19, GageAP_21, Kenmech_22, Naira_20, Wilkins_19, Jerm2_20, Aeneas_21, ILeeKay_21, Teodoridan_17, PattyP_21, Alvin_20, TheloniousMonk_21, EnzoK_20, Dynamix_20, Seanderson_20, DirtDevil_20, Adahisdi_20, Marco3_19, Beatrix_18, Agaliana_19, NEHalo_19, Gyzlar_21, DD5_20, Burton_20, Magnar_19, DreamCatcher_22, Rutherferd_21, Rufus_20, Gachnar_19, Doom_20, Pinto_21, Abrogate_200, Papez_21, Dreamboat_20, Crispicous1_18, Bethlehem_19, Tripl3t_20, Switzer_20, Chanagan_18, Topgun_19, PascalRango_18, Edtherson_20, BigPaolini_20, Museum_21, Petruchio_19, Hami1_21, Eyeball_19, HanShotFirst_19, Seabiscuit_21, MilleFeuille_18, Perseus_20, Sandaddy_18, Noxious_21, CatBus_20, Carlyle_21, Froghopper_20, CactusRose_18, BigMau_21, DrFeelGood_18, BaconJack_21, Watermelon_21, Moose_18, Mule_19, STLscum_20, PhineBark_18, Bones_19, Marge_20, PhrostyMug_19, Rajelicia_19, Ringer_19, Marchy_18, Nhonho_19, Ciao_19, Lockley_19, Maroc7_18, Greg_21, ShortQueendom_19, Tasp14_20, Ichabod_20, KSSJEB_19, Molly_20, Inyanga_18, Smeagol_21, Buttons_20, Pari_20, Hermia_21, BK1_17, Violet_18, Atkinbua_20, Niza_21, RidgeCB_19, Dexes_20, Sanya_19, JackSparrow_20, Treddle_21, Sibs6_21, Raid_19, Nerujay_20, Zeeculate_18, Slagathor_20, Big3_19, Manatee_20, Anglerfish_20, LilBib_20, Bexan_18, IgnatiusPatJac_18, McGuire_20, Ashballer_18, Altman_21, Blesser_19, Pippin_21, Bob3_18, Arlo_18, Ajay_19, ConceptII_20, KikiBouba_21, Scowl_20, Zephyr_19, Turj99_18, Applejack_19, Puppet_19, U2_19, StewieG_18, TwoPeat_20, Espresso_19, Lamina13_19, Dulcie_18, Bxb1_17, Iqorha_18, Jasper_20, QTRlifeCrisis_19, HarryOW_20, SwissCheese_19, JC27_21, MrGordo_19, Homines_19, Trouble_19, SarFire_19, Whitspit_20, Forsytheast_18, Sagefire_20,

Wheeler_19, Fascinus_18, Jorgensen_19, Rubeus_20, KyMonks1A_21, Blackflame_19, BarrowTuph_18, LunarLander_19, Pelly_20, BluSpix_19, Paphu_18, SpikeBT_21, Mkhuseli_20, Oogway_18, Kanely_20, GrecoEtereo_20, Fajezeel_21, PinkPlastic_18, Ohno789_19, Phlippers_18, Fenn_20, KBG_20
• Track 2 : Francis47_19, Bircsak_19, Gompeii16_19, PacerPaul_19, SkiPole_21, Pita2_21, Pepe_20, Alsfro_23, PherrisBueller_20, PSullivan_21, BPBiebs31_20, ProMouse_20, Tote_21, JuliaChild_21, Swole_21, Killigrew_17
• Track 3 : PowerRanger_19
• Track 4 : Kykar_17
• Track 5 : Bruns_18, Lesedi_18
• Track 6 : Smairt_20
• Track 7 : Gwendoluna_21, Ruotula_18, Rhynn_19, Traft412_21
• Track 8 : ChristmasHams_19
• Track 9 : Kugel_20
• Track 10 : Marcell_19
• Track 11 : Norz_21
• Track 12 : Goose_20, Kristoff_21, Chupacabra_20, Rebeuca_21
• Track 13 : RhynO_21, Rowdy_23, DustyMartin_23, Shapes_23
• Track 14 : Eaglepride_21
• Track 15 : PeaceMeal1_19, Severus_19, Drake94_19, KittenMittens_19, Trike_18, Poompha_19
• Track 16 : DontArgue_19
• Track 17 : OKCentral2016_20
• Track 18 : Twister_20, WalterMcMickey_20, Edison31_20, Topanga_20
• Track 19 : Kimba_21, Aneem_21, Petersenfast_21, Flaverint_21, Salz_21, Hutc2_21, Bachome_21, Et2Brutus_20, Orange_21, Ebony_21, Sham4_21, Wolpertinger_20, TinyTimmy_21, Insomnia_21, Jabith_21, Joselito_21, Gilberta_21, Bowtie_21, Mabel_21, Fibonacci_21, Bud_21, Saskia_21, Mulciber_21, Snape_21, Munch_21, Lucivia_21, Timothy_21, MaCh_21
• Track 20 : Pharaoh_21
• Track 21 : DarthPhader_22
• Track 22 : Steamy_22
• Track 23 : Zimmer_23
• Track 24 : Phlei_16
• Track 25 : Jeeves_20
• Track 26 : SororFago_20
• Track 27 : Sunhee_20
• Track 28 : Gail_20
• Track 29 : Luchador_22
• Track 30 : Anon_21
• Track 31 : Boohoo_23, Strosahl_23, Oofda_23, MinecraftSteve_24, Remus_23, Rosalind_23, Battleship_24, Warrior24_23, Waits_23, Ravana_23, Switzerland_23, LastResort_23, Anaysia_23
• Track 32 : Epsocamisio_23, ReMo_23, Nebulosus_23
• Track 33 : DekHockey33_23, Looper_24, JSwag_23, Soups_23, KatherineG_23, ShayRa_24
• Track 34 : Elle_21
• Track 35 : Nedarya_22
• Track 36 : LogiBear_23
• Track 37 : Lucyedi_22, EagleEye_23, PainterBoy_22
• Track 38 : 40AC_24
• Track 39 : MyraDee_18
• Track 40 : Kimona_17

• Track 41 : SemperFi_23, FiringLine_21, QueenBeesly_21, SnapTap_21, SweetiePie_21, Crucio_21, Georgie2_22, Power_21
• Track 42 : Tomathan_24, Pomar16_24
• Track 43 : Terrific_23, NaSiaTalie_21, Flare16_21, Malec_22, Baehexic_22, Gratitude_23, Sknot_21, Updawg_23, Equemioh13_23, Piro94_22, Larenn_22, HarryHoudini_23, MiculUcigas_21, Centaur_23, WideWale_23
• Track 44 : IronMan_23, Phaded_24, Landor_22, Tristan_22, Jaan_24
• Track 45 : D29_21, StarStuff_24, Duplo_24, Kerberos_24, D32_24, AN9_24, Naji_24, C3_19, ANI8_24, Travvers_24, VC3_24
• Track 46 : Trooper_21
• Track 47 : Benvolio_21, Echild_21, ChipMunk_23, EvilGenius_23
• Track 48 : Superchunk_20, Caraxes_20, Adzzy_22, Ph8s_22
• Track 49 : LilTurb_23, Dignity_23, Bugsy_23, Jerm_23, Whabigail7_23, AbbyPaige_23, Leviathan_23, Smeagan_23, Turbido_23
• Track 50 : Colin_24
• Track 51 : Retro23_21, QueenB2_21, Anselm_21, Fameo_21, Heffalump_23
• Track 52 : LadyBird_21, AN3_21, XianYue_21, CRB1_21, VA6_21
• Track 53 : Che12_23
• Track 54 : Bradman_20, BobSwaget_24, Quokka_19, Miko_24, Serenity_20, Rachaly_24, Lokk_24, MajorMajor_20, BabyBack_23, Jsquared_20
• Track 55 : NothingSpecial_23
• Track 56 : Dalmatian_21, DudeLittle_21
• Track 57 : AnnaL29_24, Loser_24
• Track 58 : Iwokeuplikedis_22
• Track 59 : L5_21, Koduck_22
• Track 60 : Pukovnik_23
• Track 61 : KingCyrus_23
• Track 62 : NicoleTera_25
• Track 63 : ForesterFrank_23
• Track 64 : LionsBait_22, HippoHollow_22
• Track 65 : Journey13_19
• Track 66 : EZMoney23_25
• Track 67 : SwirlSquare_22
• Track 68 : DBQu4n_24
• Track 69 : Trixie_24
• Track 70 : MissWhite_21
• Track 71 : Agape74_23
• Track 72 : JoshKayV_23
• Track 73 : Prudy_24
• Track 74 : Drake55_23
• Track 75 : DeerParkTS_22
• Track 76 : RedRock_24
• Track 77 : Herbertwm_18
• Track 78 : Acolyte_21
• Track 79 : 20ES_21
• Track 80 : Deloris_22, BengiVuitton_22
• Track 81 : TipsytheTRex_20
• Track 82 : TarsusIV_21
• Track 83 : Odin_20
• Track 84 : Bactobuster_22
• Track 85 : GaugeLDP_23
• Track 86 : Kalpine_24
• Track 87 : Leogania_23, BiancaTri92_23

• Track 88 : WeiHuaDA_26
• Track 89 : Changeling_24
• Track 90 : ArcherNM_23
• Track 91 : First_0021
• Track 92 : FatCactus_19
• Track 93 : Anthony_20
• Track 94 : Kinmap_20
• Track 95 : Chargerpower_21
• Track 96 : Norbert_20, Veracruz_20, Noella_21, ResDef_21, Panamaxus_20, Caviar_21, Pocahontas_21, Popcicle_21, Todacoro_21, Hookmount_21, EtoileNova_21, Texage_20, Margo_21, Lambert1_21, QuinnKiro_20
• Track 97 : Anubis_24, PGHhamlin_24, Phranny_23, Croquant_23, JenCasNa_22, PotatoSplit_23, LarryKay_22, AugsMagnumOpus_24, KADY_23, Louie6_22, Lowa_22, JeppNRM_23, SoilDragon_22, DaHudson_22, Pawn_22, Heliosoles_22, Hercules11_22, Bigflo_22, Stagni_22, Rummer_22, Montavir_21, LugYA_24, Cullens_22, SoYo_22, Grub_22, Methuselah_21, PhishRPhriends_21, Calvinny_22, MarQuardt_22, Sabinator_22, Malinsilva_24, Taurus_22, Beauxregard13_22, Gwennie_22, Aglet_22, Manu_23, Wooldri_24, Farber_22, HaveUMetTed_23, ACFishhook_22, Microwolf_22, OlanP_22, AgronaGT15_22, MoneyMay_22, Zetzy_21, Groupthink_23, BreSam8_22, Kalnoky_23, BuzzBuzz_21, Colbster_22, Misomonster_24, GtownJaz_22, Lilith_22, Daishi_21, Grum1_22, LBerry_22, JHC117_22, Kalb97_23, Vix_22, MuchMore_24, Tiffany_22, Dieselweasel_22, Grif_22, Reba_23, Marius_23, PurpleHaze_22, Penny1_22, Bxz2_21, ClownCar_22, MadMarie_22, Mainiac_22, Pembroke_22, Phoxy_22, Marie_22, Gemma_22, Watson_22, Soshari_24, Fernando_22, TinyPebbles_22, Jobu08_22, Sabia_22, GingkoMaracino_22, Phoebe_22, Spike509_22, Snickers_22, HashRod_23
• Track 98 : Chiqui_19, BabyJohn_19, MA5_20
• Track 99 : HelDan_20, Goose1X_20, Kachowdy_20, Giroux_21, Bugatti_21, Idleandcovert_20, Marchesa_20, Roimos_20, Goose1D_20, Shep_20, Pistachio_21, Heathen_20, Zarafa_20, Clammy_21, Fred313_20, TNguyen7_20, Puppy_21, BlueBird_21, Scout_20, SaturnRing_20, DropBear_20
• Track 100 : MK4_20, B1_18, JF2_20, JF4_20
• Track 101 : Isca_20
• Track 102 : P28Green_22
• Track 103 : Ollie_22
• Track 104 : StepMih_22
• Track 105 : BabyRay_20, Cat_18
• Track 106 : Phantastic_20
• Track 107 : Rockstar_20
• Track 108 : EpicPhail_22
• Track 109 : Mundrea_20, Cici_20, AbbysRanger_20, Shygu2_20
• Track 110 : Alberto7_21, JetBlade_20, TinaFeyge_20, Connomayer_20, KFPoly_20, LeoAvram_20, Florean_20, Nemo27_20, ICleared_20, Dhanush_20, Caelakin_20, LittleB_20, Druantia_20, Holli_20, Citius_20, Eagle_19, Buckaroo_19, Lunsford_21, Skipitt_20, Kingmustik0402_20, Medusa_20, Kampy_20, Funston_20, Romney_20, Broseidon_20, Rocksand_20, Happiness_20, Eros_20, Palestino_20, Kyee_20, Scamp_20, Bartimeaus_20, Wilbur_20, Eurydice_20, Chaph_20, NotAPhaseMom_20, Albee_20, TygerBlood_20, RockieBear_20, Flux_20, Houdini22_20, Maverick_20, Phacado_20, BubbleTrouble_20, Northrop_20, HamSlice_19, Ohfah_20, Melvin_20, Mazhar510_20, Abdiel_20, Millski_20, SenorClean_20, Cintron_20, Sabertooth_20, YoSam321_20, Phelipe_20, Polymorphads_20, Lorenzo_20, Taquarus_20, Wizard007_20, Junimo_19, Relief_20, Nebs_20, CentreCat_20, MeeZee_20, KekoraPapaka_19, LappelDuVide_20,

Lemur_20, Blackmoor_20, Koreni_19, Eris_20, Morrow_20, Wander_20, Mayonnaise_20, Clarenza_20, Nyxis_20, Jaykayelowell_20, Spino_20, Bruiser_20, Skadoosh_20, JoongJeon_20, NorthStar_20, Ruin_20, OKaNui_21, SteMason_20, Cocoaberry_20, Peaches_20, Pipcraft_20, Bombshell_20, Maxo_20, Sultana_20, Sparxx_20, Commander_20, Baby16_20, TiroTheta9_20, Kremtemulon_20, Roosevelt_20, BellusTerra_20, PeterPeter_20, Iceman_21, Annyong_20, Burger_19, Eapen_20, Deano_20, Gadost_20, Avle17_20
• Track 111 : LHTSCC_21, Phighter1804_20, Cerulean_21, Rosa24_19, ChampagnePapi_21, SheldonCooper_21, Shaka_20, Thanksgivukkah_20, Kratark_20, DirtyDunning_20, Tinybot_19, Camperdownii_19, Ulysses_19, LochMonster_20, Arturo_19, Obama12_21, Iracema64_21, BangNhom_20
• Track 112 : LittleGuy_20, Phontbonne_20
• Track 113 : Badger_20, Achebe_20, Wile_20, Stink_21, Miramae_20, Xena_20, AvatarAhPeg_21, Datway_20, Noelle_20, Cindaradix_19, Backyardigan_20
• Track 114 : Bumblebee11_20, PetiteSangsue_20, Katalie136_20, Perplexer_20, Morpher26_20
• Track 115 : TroyPia_20
• Track 116 : Stasia_21
• Track 117 : Huxley_20
• Track 118 : Pumbaa_20
• Track 119 : Koan_20
• Track 120 : Theia_15, George_16, ForGetIt_17, Cuco_17, Tarynearal_16, Twigg_17, HuhtaEnerson15_17, Florence1_17, Milcery_17, Florence4_18, Prinashe11_17, Swirley_17, Coog_17, Midas2_17, Tiger_17, Discoknowium_17, LittleCherry_17, Bonamassa_17, Micasa_17, Conspiracy_17
• Track 121 : Chadwick_18, PetterN_18, Benedict_17, Jabiru_17, Scorpia_18, Naca_17
• Track 122 : SydNat_17, Ghoulboy_17, Zolita_16
• Track 123 : Jovo_17, Archetta_17, Phlorence_17, PickleBack_17, Lev2_17, Bluefalcon_16, Aragog_17, AgentM_17
• Track 124 : UnionJack_17
• Track 125 : MarysWell_16, Dublin_16
• Track 126 : Airmid_17
• Track 127 : ElTiger69_17
• Track 128 : Indra_24, Gladiator_24, Blue7_24, Rifter_24, Tucker_24, Hammer_24, Koko_24, Jeffabunny_24, Hexamo_24, Gruunaga_24, Roksolana_24, Artemis2UCLA_24
• Track 129 : JewelBug_24, CloudWang3_24, Polyphemus_24, BennyP_24, GreedyLawyer_24, BlessJoy_24, Neeharika16_24, Cookiedough_24, Wiks_24, Helmet_24, Imbriano_24, Kazan_24, VohminGhazi_24, Candra_24, EricB_24, Pmask_24, McFly_24, ToneTone_22, SuperAwesome_24, Zaka_24, Isiphiwo_24, Lilbunny_24, BABullseye_24, Yokurt_24, Newrala_24, Kipper29_24, Hoot_24, Garak_25, DaVinci_24, SuperCallie99_24, Chartreuse_24, SmellyB_24, Temprado_24, DelvinSonDorr_23, Dorothea_24, Jordennis_24, Zulu_24, Priamo_24, WunderPhul_24
• Track 130 : Blinn1_24
• Track 131 : Toro_23, Sheen_22
• Track 132 : HINdeR_20
• Track 133 : PP_30
• Track 134 : FlyCatcher_24
• Track 135 : DroogsArmy_21, Timshel_21
• Track 136 : Dixon_17, Saintus_17, Roary_17

• Track 137 : Danforth_16, Smeadley_17, Caitlin_17, Expelliarmus_16, Groundhog_16, Astro_17
• Track 138 : Phillis_17
• Track 139 : NearlyHeadless_17
• Track 140 : Stephig9_17
• Track 141 : Jiawan_22, Keziacharles14_20, Beemo_22, BogosyJay_22, ExplosioNervosa_22, Lilleskat_22, EdogawaKiddo_22, Ugenie5_19, Pioneer_22, Onglai_21, Hanray_22, Scherzo_22, Qobbit_22, Maminiaina_22, Phonnegut_22, RyeScarlet_22, Holex_22, Ayanochan_22, Sachima_22
• Track 142 : Darrell_23, Refuge_24
• Track 143 : LoneWolf_22, Arissanae_20, CogOmlette_19, Minispark_19, Rahalelujah_20, Vanisoa_20, WorldCup_19, Elephantoon_22, Toaka_20, Bellris_20
• Track 144 : Conquerage_22, Spouty_22, EmyBug_22, Aliter_22, Tubs_22, Priya_22, Catalina_22, Alma_22, PackMan_22, Eidsmoe_22, Phaeder_22, Fayely_22, Myxus_22, HortumSL17_22
• Track 145 : DreamTeam1_21, Klodlith_21, SheaKeira_21, Charm_21
• Track 146 : Celestialunch_20, MegTheThird_20
• Track 147 : Yecey3_21
• Track 148 : Bovely_13, Nerdos_13, Leviticus_13, Unstoppable_13, SunsetPointe_13, Esperer_13, Indigo_13, Legacy_13, Hydra_15, Phettuccine_13, Aaronocolus_13
• Track 149 : Goby_13, Sujidade_14, Godpower_14, Toma_13, Lika_13
• Track 150 : Oliynyk_14, Rusticus_14, Eddasa_14, Ozzie_13, BeardedLady_14, BryanRecycles_14, Jash_14, EnochSoames_14
• Track 151 : Hippo_13, Triste_13, Snorlax_13, SarahRose_13, BarryBee_15, Dwayne_13, Whatever_13, Emaanora_15, Asten_13, Werner_13, OzzyJ_14, TagePhighter_14
• Track 152 : Lorelei_13, Rana_13, Nabi_13
• Track 153 : Dattran_14, Celeste_13, Brataylor_14, Zemlya_14
• Track 154 : Maneekul_13, Chucky_13, TuanPN_13, Ejemplo_13, Yasdnil_13
• Track 155 : Danzina_14
• Track 156 : Lannister_14
• Track 157 : Katalie_14, RedBear_15, South40_14
• Track 158 : Nanodon_15
• Track 159 : Caliburn_13
• Track 160 : Izzy_14
• Track 161 : TrvxScott_12, Thestral_14
• Track 162 : Triumph_15, Axiom_14
• Track 163 : Paolo_15
• Track 164 : Omar_14
• Track 165 : Issmi_14
• Track 166 : Amethyst_13
• Track 167 : Jevington_15
• Track 168 : BartholomewSD_15, Alvy_15
• Track 169 : SqueakyClean_14, GirlDinner_13
• Track 170 : Marav_16
• Track 171 : Daudau_13
• Track 172 : Zainub_15
• Track 173 : Bowden_14
• Track 174 : Superstar_16
• Track 175 : Loofah_14
• Track 176 : Janus_14
• Track 177 : Haizum_13

• Track 178 : Hank144_14
• Track 179 : Paedore_13
• Track 180 : R4_13, ELB20_12
• Track 181 : Andris_13
• Track 182 : Pablito_13
• Track 183 : Puginator_15
• Track 184 : Tefunt_13
• Track 185 : Nishikigoi_13
• Track 186 : Animus_14
• Track 187 : Caelum_14
• Track 188 : Diane_13
• Track 189 : TinaBelcher_13
• Track 190 : Vanseggelen_17
• Track 191 : Kaine_13, Dexers_12, Alsaber_14, Sudan_13
• Track 192 : phiCAM_14
• Track 193 : Amela_13
• Track 194 : Saftant_13
• Track 195 : Celery_16
• Track 196 : Speedwell_18
• Track 197 : ElGato_14
• Track 198 : Provolone_14, Pavo_14, Conan_14
• Track 199 : Verse_13, SunkenRoot_13
• Track 200 : ZamZam_13
• Track 201 : Yosif_14
• Track 202 : Verabelle_14
• Track 203 : Jhitchelle_12
• Track 204 : phiHau3_15, GreenWeasel_15
• Track 205 : BroPlease_14
• Track 206 : Urza_13, Celia_13, Itza_13
• Track 207 : VieEnRose_13
• Track 208 : Krishelle_16, Hiro_16, PhailMary_15, AppleCloud_14
• Track 209 : Dinger_16, Yoncess_16, Shuman_16, AngryOrchard_15, Takoda_16, BobbyDazzler_16, Partridge_16, Bryce_16, Rasputin_16
• Track 210 : UhSalsa_16, Gollum_16, RER2_9, Naiad_16, Belenaria_16, CosmicSans_16, TWAMP_16, Swann_16, Alatin_16, StCroix_16, Bradshaw_16, Lillie_16, Natosaleda_16, Erik_16, Espica_16, Nancinator_16, Rhodalysa_16
• Track 211 : Alpacados_15, Harlequin_16, Bonanza_16, Yogi_16
• Track 212 : Phrankenstein_16
• Track 213 : RGL3_9
• Track 214 : RexFury_16
• Track 215 : Jester_16
• Track 216 : EmiRose_10
• Track 217 : Attoomi_10

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

The start number called the most often in the published annotations is 64, it was called in 623 of the 1008 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 20ES_21, 40AC_24, A6_17, AFIS_19, AN3_21, AN9_24, ANI8_24, AbbyPaige_23, Abbyshoes_20, Abrogate_200, Acme_21, Acolyte_21, Adahisdi_20, Adzzy_22, Aeneas_21, Agaliana_19, Agape74_23, AgentM_17, Airmid_17, Ajay_19, Alatin_16, Aldrich_20, Aliter_22, Alma_22, Alpacados_15, Alsfro_23, Altman_21, Alvin_20, Anaysia_23, Aneem_21, Anglerfish_20, AngryOrchard_15, AnnaL29_24, Anon_21, Anselm_21, Anthony_20, AppleCloud_14, Applejack_19, Aragog_17, Arcanine_20, ArcherNM_23, Archetta_17, Arissanae_20, Arlo_18, Artemis2UCLA_24, Ashballer_18, Astro_17, Atkinbua_20, Ayanochan_22, B1_18, BABullseye_24, BK1_17, BPBiebs31_20, BabyBack_23, BabyJohn_19, Bachome_21, BaconJack_21, Bactobuster_22, Baehexic_22, Barriga_19, BarrowTuph_18, Battleship_24, Beatrix_18, Beemo_22, BeesKnees_20, Belenaria_16, Bellris_20, Benedict_17, BengiVuitton_22, BennyP_24, Benvolio_21, Bethlehem_19, Bexan_18, BiancaTri92_23, Big3_19, BigMau_21, BigPaolini_20, Bigchungi_19, Bigfoot_18, BillKnuckles_20, Bircsak_19, Blackflame_19, BlessJoy_24, Blesser_19, Blinn1_24, BluSpix_19, Blue7_24, BlueBird_21, Blue_19, Bluefalcon_16, Bob3_18, BobSwaget_24, BobbyDazzler_16, BogosyJay_22, Bonamassa_17, Bonanza_16, Bones_19, Boohoo_23, Bowtie_21, Bradman_20, Bradshaw_16, Briton15_21, Bryce_16, Bud_21, Bugatti_21, Bugsy_23, Burton_20, Buttons_20, Bxb1_17, C3_19, CRB1_21, CactusRose_18, Caitlin_17, Candra_24, Caraxes_20, Carlyle_21, CartmannCramer_19, CatBus_20, Catalina_22, Celestialunch_20, Centaur_23, Chadwick_18, Chanagan_18, Changeling_24, Chargerpower_21, Charm_21, Chartreuse_24, Che12_23, ChipMunk_23, Chiqui_19, ChristmasHams_19, Ciao_19, Clammy_21, CloudWang3_24, CogOmlette_19, Colin_24, ConceptII_20, Conquerage_22, Conspiracy_17, Coog_17, Cookiedough_24, Corvo_19, CosmicSans_16, Crispicous1_18, Crucio_21, Cuco_17, Cueylyss_19, D29_21, D32_24, DBQu4n_24, DD5_20, DaVinci_24, Dalmatian_21, Danforth_16, Darrell_23, DarthPhader_22, DeerParkTS_22, DekHockey33_23, Deloris_22, DelvinSonDorr_23, Dexes_20, Dignity_23, Dinger_16, DirtDevil_20, Discoknowium_17, Dixon_17, Doom_20, Dorothea_24, DrFeelGood_18, Drake55_23, DreamCatcher_22, DreamTeam1_21, Dreamboat_20, DropBear_20, Dublin_16, DudeLittle_21, Dulcie_18, Duplo_24, Dussy_20, Dynamix_20, EZMoney23_25, EagleEye_23, Ebony_21, Echild_21, EdogawaKiddo_22, Edtherson_20, Eidsmoe_22, ElTiger69_17, Elephantoon_22, Elle_21, EmyBug_22, EnzoK_20, Epsocamisio_23, Equemioh13_23, EricB_24, Erik_16, Espica_16, Espresso_19, Et2Brutus_20, Euphoria_19, EvilGenius_23, Expelliarmus_16, ExplosioNervosa_22, Eyeball_19, Fajezeel_21, Fameo_21, Fascinus_18, FatCactus_19, Fayely_22, Fenn_20, Fibonacci_21, FiringLine_21, First_0021, Flare16_21, Flaverint_21, Florence1_17, Florence4_18, ForGetIt_17, ForesterFrank_23, Forsytheast_18, Francis47_19, Fred313_20, Froghopper_20, Fushigi_20, GMonster_18, Gachnar_19, GageAP_21, Gail_20, Gandalf20_20, Garak_25, GaugeLDP_23, George_16, Georgie2_22, Ghoulboy_17, Gilberta_21, Giroux_21, Gladiator_24, Gollum_16, Gompeii16_19, Goose1D_20, Goose1X_20, Graduation_21, Gratitude_23, GrecoEtereo_20, GreedyLawyer_24, Greg_21, GroundGoblin_20, Groundhog_16, Gruunaga_24, Gwendoluna_21, Gyzlar_21, Hami1_21, Hammer_24, HanShotFirst_19, Hanray_22, Harlequin_16, HarryHoudini_23, HarryOW_20, Heathen_20, Heffalump_23, HelDan_20, Helmet_24, Herbertwm_18, Hermia_21, HermioneGrange_19, Hexamo_24, HippoHollow_22, Hiro_16, Holex_22, Homines_19, Hoot_24, Hope4ever_19, HortumSL17_22, HuhtaEnerson15_17, Hutc2_21, ILeeKay_21, Ichabod_20, Idleandcovert_20, IgnatiusPatJac_18, Imbriano_24, Indra_24, Insomnia_21, Inyanga_18, Iqorha_18, IronMan_23, Isca_20, Isiphiwo_24, Iwokeuplikedis_22, JC27_21, JF2_20, JF4_20, JSwag_23, Jaan_24, Jabiru_17, Jabith_21, JackSparrow_20, Jasper_20, Jeeves_20, Jeffabunny_24, Jerm2_20, Jerm_23, Jester_16, JewelBug_24, Jiawan_22, Jordennis_24, Jorgensen_19,

Joselito_21, JoshKayV_23, Journey13_19, Jovo_17, Jsquared_20, JuliaChild_21, KBG_20, KSSJEB_19, Kachowdy_20, Kalpine_24, Kanely_20, KatherineG_23, Kazan_24, Kenmech_22, Kerberos_24, Keziacharles14_20, KikiBouba_21, Killigrew_17, Kimba_21, Kimona_17, KingCyrus_23, Kinmap_20, Kipper29_24, Klodlith_21, Koduck_22, Koko_24, Krishelle_16, Kugel_20, KyMonks1A_21, Kykar_17, L5_21, LadyBird_21, Lamina13_19, Landor_22, Larenn_22, LastResort_23, Leogania_23, Lev2_17, Levia_19, Leviathan_23, Licorice_21, LilBib_20, LilTurb_23, Lilbunny_24, Lilleskat_22, Lillie_16, LionsBait_22, LittleCherry_17, Lockley_19, LogiBear_23, Lokk_24, LoneWolf_22, Looper_24, Lopton_20, Loser_24, Luchador_22, Lucivia_21, Lucyedi_22, LunarLander_19, MA5_20, MK4_20, MPlant7149_18, MaCh_21, Mabel_21, Magnar_19, Magnito_18, MajorMajor_20, Makemake_19, Malec_22, Maminiaina_22, Manatee_20, Marcell_19, Marchesa_20, Marchy_18, Marco3_19, Marge_20, Maroc7_18, Marsha_19, MaryBeth_19, MarysWell_16, McFly_24, McGuire_20, McSinger_20, MegTheThird_20, MetalQZJ_19, Micasa_17, Michley_19, MiculUcigas_21, Midas2_17, Miko_24, Milcery_17, MilleFeuille_18, MinecraftSteve_24, Minispark_19, MissWhite_21, Mkhuseli_20, Molly_20, Monet_21, Moose_18, MrGordo_19, Mryolo_18, Mulciber_21, Mule_19, Munch_21, Museum_21, MyraDee_18, Myxus_22, NEHalo_19, NaSiaTalie_21, Naca_17, Naiad_16, Naira_20, Naji_24, Nancinator_16, Natosaleda_16, NearlyHeadless_17, Nebulosus_23, Neeharika16_24, Nerujay_20, Newrala_24, Nhonho_19, NicoleTera_25, Niza_21, Norz_21, NothingSpecial_23, Noxious_21, Odin_20, Ohno789_19, Onglai_21, Oofda_23, Oogway_18, Orange_21, PSullivan_21, PacerPaul_19, PackMan_22, PainterBoy_22, Papez_21, Paphu_18, Paraselene_18, Pari_20, Parliament_18, Partridge_16, PascalRango_18, PattyP_21, Payneful_19, Pelly_20, Pepe_20, Perseus_20, Petersenfast_21, Peterson_22, Petp2012_21, Petruchio_19, PetterN_18, Ph8s_22, Phaded_24, Phaeder_22, PhailMary_15, Phantastic_20, Pharaoh_21, PherrisBueller_20, Phillis_17, PhineBark_18, Phlei_16, Phlippers_18, Phlorence_17, Phonnegut_22, Phrankenstein_16, PhrostyMug_19, PickleBack_17, PinkPlastic_18, Pinto_21, Pioneer_22, Pippin_21, Piro94_22, Pistachio_21, Pita2_21, Pmask_24, Polyphemus_24, Pomar16_24, PowerRanger_19, Power_21, Priamo_24, Prinashe11_17, Priya_22, ProMouse_20, Prudy_24, Pukovnik_23, Puppet_19, Puppy_21, QTRlifeCrisis_19, Qobbit_22, QueenB2_21, QueenBeesly_21, Quokka_19, RER2_9, Rachaly_24, Rahalelujah_20, Raid_19, Rajelicia_19, Rasputin_16, Ravana_23, ReMo_23, RedRock_24, Refuge_24, Remus_23, Retro23_21, RexFury_16, Rhodalysa_16, Rhynn_19, RidgeCB_19, Rifter_24, Ringer_19, Roary_17, Rockstar_20, Rohr_20, Roimos_20, Roksolana_24, Rosalind_23, Rubeus_20, Rufus_20, Ruotula_18, Rutherferd_21, RyeScarlet_22, STLscum_20, Sachima_22, Sagefire_20, Saintus_17, Salz_21, Sandaddy_18, Sanya_19, SarFire_19, Saskia_21, SaturnRing_20, Scherzo_22, Scorpia_18, Scout_20, Scowl_20, Seabiscuit_21, Seanderson_20, SemperFi_23, Serenity_20, Sham4_21, ShayRa_24, SheaKeira_21, Shep_20, ShortQueendom_19, Shuman_16, Sibs6_21, SkiPole_21, Sknot_21, Slagathor_20, Smairt_20, Smeadley_17, Smeagan_23, Smeagol_21, SmellyB_24, SnapTap_21, Snape_21, Snazzy_17, Solon_19, SororFago_20, Sorpresa_19, Soups_23, SpikeBT_21, Spouty_22, Squee_20, StCroix_16, StarStuff_24, Steamy_22, Stephig9_17, StewieG_18, StrongArm_18, Strosahl_23, Sumter_18, Sunhee_20, Sunshine924_18, SuperAwesome_24, SuperCallie99_24, Superchunk_20, Swann_16, SweetiePie_21, SwirlSquare_22, Swirley_17, SwissCheese_19, Switzer_20, Switzerland_23, Swole_21, SydNat_17, TNguyen7_20, TWAMP_16, Takoda_16, Target_21, TarsusIV_21, Tarynearal_16, Tasp14_20, Temprado_24, Teodoridan_17, Terrific_23, Theia_15, TheloniousMonk_21, Thor_19, Tiger_17, Timothy_21, TinyTimmy_21, TipsytheTRex_20, Toaka_20, Tomathan_24, ToneTone_22, Topgun_19, Tote_21,

Traft412_21, Travvers_24, Treddle_21, Tripl3t_20, Tristan_22, Trixie_24, Trooper_21, Trouble_19, Tubs_22, Tucker_24, Turbido_23, Turj99_18, Twigg_17, TwoPeat_20, U2_19, Ugenie5_19, UhSalsa_16, UnionJack_17, Updawg_23, VA6_21, VC3_24, Vanisoa_20, Violet_18, VohminGhazi_24, Waits_23, Warrior24_23, Watermelon_21, WeiHuaDA_26, Whabigail7_23, Wheeler_19, Whitspit_20, WideWale_23, Wiks_24, Wilkins_19, Wolpertinger_20, WorldCup_19, WunderPhul_24, XianYue_21, Yecey3_21, Yogi_16, Yokurt_24, Yoncess_16, Zaka_24, Zarafa_20, Zeeculate_18, Zephyr_19, Zeuska_20, Zimmer_23, Zolita_16, Zulu_24,

Genes that have the "Most Annotated" start but do not call it:
• Bruns_18, Lesedi_18, RGL3_9,

Genes that do not have the "Most Annotated" start:
• ACFishhook_22, Aaronocolus_13, AbbysRanger_20, Abdiel_20, Achebe_20, Aglet_22, AgronaGT15_22, Albee_20, Alberto7_21, Alsaber_14, Alvy_15, Amela_13, Amethyst_13, Andris_13, Animus_14, Annyong_20, Anubis_24, Arturo_19, Asten_13, Attoomi_10, AugsMagnumOpus_24, AvatarAhPeg_21, Avle17_20, Axiom_14, Baby16_20, BabyRay_20, Backyardigan_20, Badger_20, BangNhom_20, BarryBee_15, BartholomewSD_15, Bartimeaus_20, BeardedLady_14, Beauxregard13_22, BellusTerra_20, Bigflo_22, Blackmoor_20, Bombshell_20, Bovely_13, Bowden_14, Brataylor_14, BreSam8_22, BroPlease_14, Broseidon_20, Bruiser_20, BryanRecycles_14, BubbleTrouble_20, Buckaroo_19, Bumblebee11_20, Burger_19, BuzzBuzz_21, Bxz2_21, Caelakin_20, Caelum_14, Caliburn_13, Calvinny_22, Camperdownii_19, Cat_18, Caviar_21, Celery_16, Celeste_13, Celia_13, CentreCat_20, Cerulean_21, ChampagnePapi_21, Chaph_20, Chucky_13, Chupacabra_20, Cici_20, Cindaradix_19, Cintron_20, Citius_20, Clarenza_20, ClownCar_22, Cocoaberry_20, Colbster_22, Commander_20, Conan_14, Connomayer_20, Croquant_23, Cullens_22, DaHudson_22, Daishi_21, Danzina_14, Dattran_14, Datway_20, Daudau_13, Deano_20, Dexers_12, Dhanush_20, Diane_13, Dieselweasel_22, DirtyDunning_20, DontArgue_19, Drake94_19, DroogsArmy_21, Druantia_20, DustyMartin_23, Dwayne_13, ELB20_12, Eagle_19, Eaglepride_21, Eapen_20, Eddasa_14, Edison31_20, Ejemplo_13, ElGato_14, Emaanora_15, EmiRose_10, EnochSoames_14, EpicPhail_22, Eris_20, Eros_20, Esperer_13, EtoileNova_21, Eurydice_20, Farber_22, Fernando_22, Florean_20, Flux_20, FlyCatcher_24, Funston_20, Gadost_20, Gemma_22, GingkoMaracino_22, GirlDinner_13, Goby_13, Godpower_14, Goose_20, GreenWeasel_15, Grif_22, Groupthink_23, Grub_22, Grum1_22, GtownJaz_22, Gwennie_22, HINdeR_20, Haizum_13, HamSlice_19, Hank144_14, Happiness_20, HashRod_23, HaveUMetTed_23, Heliosoles_22, Hercules11_22, Hippo_13, Holli_20, Hookmount_21, Houdini22_20, Huxley_20, Hydra_15, ICleared_20, Iceman_21, Indigo_13, Iracema64_21, Issmi_14, Itza_13, Izzy_14, JHC117_22, Janus_14, Jash_14, Jaykayelowell_20, JenCasNa_22, JeppNRM_23, JetBlade_20, Jevington_15, Jhitchelle_12, Jobu08_22, JoongJeon_20, Junimo_19, KADY_23, KFPoly_20, Kaine_13, Kalb97_23, Kalnoky_23, Kampy_20, Katalie136_20, Katalie_14, KekoraPapaka_19, Kingmustik0402_20, KittenMittens_19, Koan_20, Koreni_19, Kratark_20, Kremtemulon_20, Kristoff_21, Kyee_20, LBerry_22, LHTSCC_21, Lambert1_21, Lannister_14, LappelDuVide_20, LarryKay_22, Legacy_13, Lemur_20, LeoAvram_20, Leviticus_13, Lika_13, Lilith_22, LittleB_20, LittleGuy_20, LochMonster_20, Loofah_14, Lorelei_13, Lorenzo_20, Louie6_22, Lowa_22, LugYA_24, Lunsford_21, MadMarie_22, Mainiac_22, Malinsilva_24, Maneekul_13, Manu_23, MarQuardt_22, Marav_16, Margo_21, Marie_22, Marius_23, Maverick_20, Maxo_20, Mayonnaise_20, Mazhar510_20, Medusa_20, MeeZee_20, Melvin_20, Methuselah_21, Microwolf_22, Millski_20, Miramae_20, Misomonster_24,

MoneyMay_22, Montavir_21, Morpher26_20, Morrow_20, MuchMore_24, Mundrea_20, Nabi_13, Nanodon_15, Nebs_20, Nedarya_22, Nemo27_20, Nerdos_13, Nishikigoi_13, Noella_21, Noelle_20, Norbert_20, NorthStar_20, Northrop_20, NotAPhaseMom_20, Nyxis_20, OKCentral2016_20, OKaNui_21, Obama12_21, Ohfah_20, OlanP_22, Oliynyk_14, Ollie_22, Omar_14, Ozzie_13, OzzyJ_14, P28Green_22, PGHhamlin_24, PP_30, Pablito_13, Paedore_13, Palestino_20, Panamaxus_20, Paolo_15, Pavo_14, Pawn_22, PeaceMeal1_19, Peaches_20, Pembroke_22, Penny1_22, Perplexer_20, PeterPeter_20, PetiteSangsue_20, Phacado_20, Phelipe_20, Phettuccine_13, Phighter1804_20, PhishRPhriends_21, Phoebe_22, Phontbonne_20, Phoxy_22, Phranny_23, Pipcraft_20, Pocahontas_21, Polymorphads_20, Poompha_19, Popcicle_21, PotatoSplit_23, Provolone_14, Puginator_15, Pumbaa_20, PurpleHaze_22, QuinnKiro_20, R4_13, Rana_13, Reba_23, Rebeuca_21, RedBear_15, Relief_20, ResDef_21, RhynO_21, RockieBear_20, Rocksand_20, Romney_20, Roosevelt_20, Rosa24_19, Rowdy_23, Ruin_20, Rummer_22, Rusticus_14, Sabertooth_20, Sabia_22, Sabinator_22, Saftant_13, SarahRose_13, Scamp_20, SenorClean_20, Severus_19, Shaka_20, Shapes_23, Sheen_22, SheldonCooper_21, Shygu2_20, Skadoosh_20, Skipitt_20, Snickers_22, Snorlax_13, SoYo_22, SoilDragon_22, Soshari_24, South40_14, Sparxx_20, Speedwell_18, Spike509_22, Spino_20, SqueakyClean_14, Stagni_22, Stasia_21, SteMason_20, StepMih_22, Stink_21, Sudan_13, Sujidade_14, Sultana_20, SunkenRoot_13, SunsetPointe_13, Superstar_16, TagePhighter_14, Taquarus_20, Taurus_22, Tefunt_13, Texage_20, Thanksgivukkah_20, Thestral_14, Tiffany_22, Timshel_21, TinaBelcher_13, TinaFeyge_20, TinyPebbles_22, Tinybot_19, TiroTheta9_20, Todacoro_21, Toma_13, Topanga_20, Toro_23, Trike_18, Triste_13, Triumph_15, TroyPia_20, TrvxScott_12, TuanPN_13, Twister_20, TygerBlood_20, Ulysses_19, Unstoppable_13, Urza_13, Vanseggelen_17, Verabelle_14, Veracruz_20, Verse_13, VieEnRose_13, Vix_22, WalterMcMickey_20, Wander_20, Watson_22, Werner_13, Whatever_13, Wilbur_20, Wile_20, Wizard007_20, Wooldri_24, Xena_20, Yasdnil_13, YoSam321_20, Yosif_14, Zainub_15, ZamZam_13, Zemlya_14, Zetzy_21, phiCAM_14, phiHau3_15,

Summary by start number:

Start 59:
• Found in 36 of 1075 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 1008
• Called 2.8% of time when present
• Phage (with cluster) where this start called: EmiRose_10 (singleton),

Start 64:
• Found in 669 of 1075 (62.2%) of genes in pham
• Manual Annotations of this start: 623 of 1008
• Called 99.6% of time when present
• Phage (with cluster) where this start called: 20ES_21 (A2), 40AC_24 (A17), A6_17 (A1), AFIS_19 (A1), AN3_21 (A2), AN9_24 (A2), ANI8_24 (A2), AbbyPaige_23 (A2), Abbyshoes_20 (A1), Abrogate_200 (A1), Acme_21 (A1), Acolyte_21 (A2), Adahisdi_20 (A1), Adzzy_22 (A2), Aeneas_21 (A1), Agaliana_19 (A1), Agape74_23 (A2), AgentM_17 (A5), Airmid_17 (A5), Ajay_19 (A1), Alatin_16 (CA), Aldrich_20 (A1), Aliter_22 (A9), Alma_22 (A9), Alpacados_15 (CA), Alsfro_23 (A1), Altman_21 (A1), Alvin_20 (A1), Anaysia_23 (A15), Aneem_21 (A11), Anglerfish_20 (A1), AngryOrchard_15 (CA), AnnaL29_24 (A2), Anon_21 (A15), Anselm_21 (A2), Anthony_20 (A20), AppleCloud_14 (CA), Applejack_19 (A1), Aragog_17 (A5),

Arcanine_20 (A1), ArcherNM_23 (A2), Archetta_17 (A5), Arissanae_20 (A9), Arlo_18 (A1), Artemis2UCLA_24 (A6), Ashballer_18 (A1), Astro_17 (A8), Atkinbua_20 (A1), Ayanochan_22 (A9), B1_18 (A3), BABullseye_24 (A6), BK1_17 (A1), BPBiebs31_20 (A1), BabyBack_23 (A2), BabyJohn_19 (A3), Bachome_21 (A11), BaconJack_21 (A1), Bactobuster_22 (A2), Baehexic_22 (A2), Barriga_19 (A1), BarrowTuph_18 (A1), Battleship_24 (A15), Beatrix_18 (A1), Beemo_22 (A9), BeesKnees_20 (A1), Belenaria_16 (CA), Bellris_20 (A9), Benedict_17 (A5), BengiVuitton_22 (A2), BennyP_24 (A6), Benvolio_21 (A2), Bethlehem_19 (A1), Bexan_18 (A1), BiancaTri92_23 (A2), Big3_19 (A1), BigMau_21 (A1), BigPaolini_20 (A1), Bigchungi_19 (A1), Bigfoot_18 (A1), BillKnuckles_20 (A1), Bircsak_19 (A1), Blackflame_19 (A1), BlessJoy_24 (A6), Blesser_19 (A1), Blinn1_24 (A6), BluSpix_19 (A1), Blue7_24 (A6), BlueBird_21 (A3), Blue_19 (A1), Bluefalcon_16 (A5), Bob3_18 (A1), BobSwaget_24 (A2), BobbyDazzler_16 (CA), BogosyJay_22 (A9), Bonamassa_17 (A5), Bonanza_16 (CA), Bones_19 (A1), Boohoo_23 (A15), Bowtie_21 (A11), Bradman_20 (A2), Bradshaw_16 (CA), Briton15_21 (A1), Bryce_16 (CA), Bud_21 (A11), Bugatti_21 (A3), Bugsy_23 (A2), Burton_20 (A1), Buttons_20 (A1), Bxb1_17 (A1), C3_19 (A2), CRB1_21 (A2), CactusRose_18 (A1), Caitlin_17 (A8), Candra_24 (A6), Caraxes_20 (A2), Carlyle_21 (A1), CartmannCramer_19 (A1), CatBus_20 (A1), Catalina_22 (A9), Celestialunch_20 (A9), Centaur_23 (A2), Chadwick_18 (A5), Chanagan_18 (A1), Changeling_24 (A2), Chargerpower_21 (A22), Charm_21 (A9), Chartreuse_24 (A6), Che12_23 (A2), ChipMunk_23 (A2), Chiqui_19 (A3), ChristmasHams_19 (A1), Ciao_19 (A1), Clammy_21 (A3), CloudWang3_24 (A6), CogOmlette_19 (A9), Colin_24 (A2), ConceptII_20 (A1), Conquerage_22 (A9), Conspiracy_17 (A5), Coog_17 (A5), Cookiedough_24 (A6), Corvo_19 (A1), CosmicSans_16 (CA), Crispicous1_18 (A1), Crucio_21 (A2), Cuco_17 (A5), Cueylyss_19 (A1), D29_21 (A2), D32_24 (A2), DBQu4n_24 (A2), DD5_20 (A1), DaVinci_24 (A6), Dalmatian_21 (A2), Danforth_16 (A8), Darrell_23 (A9), DarthPhader_22 (A12), DeerParkTS_22 (A2), DekHockey33_23 (A15), Deloris_22 (A2), DelvinSonDorr_23 (A6), Dexes_20 (A1), Dignity_23 (A2), Dinger_16 (CA), DirtDevil_20 (A1), Discoknowium_17 (A5), Dixon_17 (A8), Doom_20 (A1), Dorothea_24 (A6), DrFeelGood_18 (A1), Drake55_23 (A2), DreamCatcher_22 (A1), DreamTeam1_21 (A9), Dreamboat_20 (A1), DropBear_20 (A3), Dublin_16 (A5), DudeLittle_21 (A2), Dulcie_18 (A1), Duplo_24 (A2), Dussy_20 (A1), Dynamix_20 (A1), EZMoney23_25 (A2), EagleEye_23 (A16), Ebony_21 (A11), Echild_21 (A2), EdogawaKiddo_22 (A9), Edtherson_20 (A1), Eidsmoe_22 (A9), ElTiger69_17 (A5), Elephantoon_22 (A9), Elle_21 (A15), EmyBug_22 (A9), EnzoK_20 (A1), Epsocamisio_23 (A15), Equemioh13_23 (A2), EricB_24 (A6), Erik_16 (CA), Espica_16 (CA), Espresso_19 (A1), Et2Brutus_20 (A11), Euphoria_19 (A1), EvilGenius_23 (A2), Expelliarmus_16 (A8), ExplosioNervosa_22 (A9), Eyeball_19 (A1), Fajezeel_21 (A1), Fameo_21 (A2), Fascinus_18 (A1), FatCactus_19 (A20), Fayely_22 (A9), Fenn_20 (A1), Fibonacci_21 (A11), FiringLine_21 (A2), First_0021 (A2), Flare16_21 (A2), Flaverint_21 (A11), Florence1_17 (A5), Florence4_18 (A5), ForGetIt_17 (A5), ForesterFrank_23 (A2), Forsytheast_18 (A1), Francis47_19 (A1), Fred313_20 (A3), Froghopper_20 (A1), Fushigi_20 (A1), GMonster_18 (A1), Gachnar_19 (A1), GageAP_21 (A1), Gail_20 (A14), Gandalf20_20 (A1), Garak_25 (A6), GaugeLDP_23 (A2), George_16 (A5), Georgie2_22 (A2), Ghoulboy_17 (A5), Gilberta_21 (A11), Giroux_21 (A3), Gladiator_24 (A6), Gollum_16 (CA), Gompeii16_19 (A1), Goose1D_20 (A3), Goose1X_20 (A3), Graduation_21 (A1), Gratitude_23 (A2), GrecoEtereo_20 (A1), GreedyLawyer_24 (A6), Greg_21 (A1), GroundGoblin_20 (A1), Groundhog_16 (A8), Gruunaga_24 (A6), Gwendoluna_21 (A1), Gyzlar_21 (A1), Hami1_21 (A1), Hammer_24 (A6), HanShotFirst_19 (A1), Hanray_22 (A9), Harlequin_16 (CA), HarryHoudini_23 (A2), HarryOW_20 (A1), Heathen_20 (A3), Heffalump_23 (A2), HelDan_20 (A3), Helmet_24 (A6),

Herbertwm_18 (A2), Hermia_21 (A1), HermioneGrange_19 (A1), Hexamo_24 (A6), HippoHollow_22 (A2), Hiro_16 (CA), Holex_22 (A9), Homines_19 (A1), Hoot_24 (A6), Hope4ever_19 (A1), HortumSL17_22 (A9), HuhtaEnerson15_17 (A5), Hutc2_21 (A11), ILeeKay_21 (A1), Ichabod_20 (A1), Idleandcovert_20 (A3), IgnatiusPatJac_18 (A1), Imbriano_24 (A6), Indra_24 (A6), Insomnia_21 (A11), Inyanga_18 (A1), Iqorha_18 (A1), IronMan_23 (A2), Isca_20 (A3), Isiphiwo_24 (A6), Iwokeuplikedis_22 (A2), JC27_21 (A1), JF2_20 (A3), JF4_20 (A3), JSwag_23 (A15), Jaan_24 (A2), Jabiru_17 (A5), Jabith_21 (A11), JackSparrow_20 (A1), Jasper_20 (A1), Jeeves_20 (A14), Jeffabunny_24 (A6), Jerm2_20 (A1), Jerm_23 (A2), Jester_16 (CA), JewelBug_24 (A6), Jiawan_22 (A9), Jordennis_24 (A6), Jorgensen_19 (A1), Joselito_21 (A11), JoshKayV_23 (A2), Journey13_19 (A2), Jovo_17 (A5), Jsquared_20 (A2), JuliaChild_21 (A1), KBG_20 (A1), KSSJEB_19 (A1), Kachowdy_20 (A3), Kalpine_24 (A2), Kanely_20 (A1), KatherineG_23 (A15), Kazan_24 (A6), Kenmech_22 (A1), Kerberos_24 (A2), Keziacharles14_20 (A9), KikiBouba_21 (A1), Killigrew_17 (A1), Kimba_21 (A11), Kimona_17 (A19), KingCyrus_23 (A2), Kinmap_20 (A21), Kipper29_24 (A6), Klodlith_21 (A9), Koduck_22 (A2), Koko_24 (A6), Krishelle_16 (CA), Kugel_20 (A1), KyMonks1A_21 (A1), Kykar_17 (A1), L5_21 (A2), LadyBird_21 (A2), Lamina13_19 (A1), Landor_22 (A2), Larenn_22 (A2), LastResort_23 (A15), Leogania_23 (A2), Lev2_17 (A5), Levia_19 (A1), Leviathan_23 (A2), Licorice_21 (A1), LilBib_20 (A1), LilTurb_23 (A2), Lilbunny_24 (A6), Lilleskat_22 (A9), Lillie_16 (CA), LionsBait_22 (A2), LittleCherry_17 (A5), Lockley_19 (A1), LogiBear_23 (A15), Lokk_24 (A2), LoneWolf_22 (A9), Looper_24 (A15), Lopton_20 (A1), Loser_24 (A2), Luchador_22 (A14), Lucivia_21 (A11), Lucyedi_22 (A16), LunarLander_19 (A1), MA5_20 (A3), MK4_20 (A3), MPlant7149_18 (A1), MaCh_21 (A11), Mabel_21 (A11), Magnar_19 (A1), Magnito_18 (A1), MajorMajor_20 (A2), Makemake_19 (A1), Malec_22 (A2), Maminiaina_22 (A9), Manatee_20 (A1), Marcell_19 (A1), Marchesa_20 (A3), Marchy_18 (A1), Marco3_19 (A1), Marge_20 (A1), Maroc7_18 (A1), Marsha_19 (A1), MaryBeth_19 (A1), MarysWell_16 (A5), McFly_24 (A6), McGuire_20 (A1), McSinger_20 (A1), MegTheThird_20 (A9), MetalQZJ_19 (A1), Micasa_17 (A5), Michley_19 (A1), MiculUcigas_21 (A2), Midas2_17 (A5), Miko_24 (A2), Milcery_17 (A5), MilleFeuille_18 (A1), MinecraftSteve_24 (A15), Minispark_19 (A9), MissWhite_21 (A2), Mkhuseli_20 (A1), Molly_20 (A1), Monet_21 (A1), Moose_18 (A1), MrGordo_19 (A1), Mryolo_18 (A1), Mulciber_21 (A11), Mule_19 (A1), Munch_21 (A11), Museum_21 (A1), MyraDee_18 (A18), Myxus_22 (A9), NEHalo_19 (A1), NaSiaTalie_21 (A2), Naca_17 (A5), Naiad_16 (CA), Naira_20 (A1), Naji_24 (A2), Nancinator_16 (CA), Natosaleda_16 (CA), NearlyHeadless_17 (A8), Nebulosus_23 (A15), Neeharika16_24 (A6), Nerujay_20 (A1), Newrala_24 (A6), Nhonho_19 (A1), NicoleTera_25 (A2), Niza_21 (A1), Norz_21 (A1), NothingSpecial_23 (A2), Noxious_21 (A1), Odin_20 (A2), Ohno789_19 (A1), Onglai_21 (A9), Oofda_23 (A15), Oogway_18 (A1), Orange_21 (A11), PSullivan_21 (A1), PacerPaul_19 (A1), PackMan_22 (A9), PainterBoy_22 (A16), Papez_21 (A1), Paphu_18 (A1), Paraselene_18 (A1), Pari_20 (A1), Parliament_18 (A1), Partridge_16 (CA), PascalRango_18 (A1), PattyP_21 (A1), Payneful_19 (A1), Pelly_20 (A1), Pepe_20 (A1), Perseus_20 (A1), Petersenfast_21 (A11), Peterson_22 (A1), Petp2012_21 (A1), Petruchio_19 (A1), PetterN_18 (A5), Ph8s_22 (A2), Phaded_24 (A2), Phaeder_22 (A9), PhailMary_15 (CA), Phantastic_20 (A3), Pharaoh_21 (A12), PherrisBueller_20 (A1), Phillis_17 (A8), PhineBark_18 (A1), Phlei_16 (A13), Phlippers_18 (A1), Phlorence_17 (A5), Phonnegut_22 (A9), Phrankenstein_16 (CA), PhrostyMug_19 (A1), PickleBack_17 (A5), PinkPlastic_18 (A1), Pinto_21 (A1), Pioneer_22 (A9), Pippin_21 (A1), Piro94_22 (A2), Pistachio_21 (A3), Pita2_21 (A1), Pmask_24 (A6), Polyphemus_24 (A6), Pomar16_24 (A2), PowerRanger_19 (A1), Power_21 (A2), Priamo_24 (A6), Prinashe11_17 (A5), Priya_22 (A9), ProMouse_20 (A1), Prudy_24

(A2), Pukovnik_23 (A2), Puppet_19 (A1), Puppy_21 (A3), QTRlifeCrisis_19 (A1), Qobbit_22 (A9), QueenB2_21 (A2), QueenBeesly_21 (A2), Quokka_19 (A2), RER2_9 (CA), Rachaly_24 (A2), Rahalelujah_20 (A9), Raid_19 (A1), Rajelicia_19 (A1), Rasputin_16 (CA), Ravana_23 (A15), ReMo_23 (A15), RedRock_24 (A2), Refuge_24 (A12), Remus_23 (A15), Retro23_21 (A2), RexFury_16 (CA), Rhodalysa_16 (CA), Rhynn_19 (A1), RidgeCB_19 (A1), Rifter_24 (A6), Ringer_19 (A1), Roary_17 (A8), Rockstar_20 (A3), Rohr_20 (A1), Roimos_20 (A3), Roksolana_24 (A6), Rosalind_23 (A15), Rubeus_20 (A1), Rufus_20 (A1), Ruotula_18 (A1), Rutherferd_21 (A1), RyeScarlet_22 (A9), STLscum_20 (A1), Sachima_22 (A9), Sagefire_20 (A1), Saintus_17 (A8), Salz_21 (A11), Sandaddy_18 (A1), Sanya_19 (A1), SarFire_19 (A1), Saskia_21 (A11), SaturnRing_20 (A3), Scherzo_22 (A9), Scorpia_18 (A5), Scout_20 (A3), Scowl_20 (A1), Seabiscuit_21 (A1), Seanderson_20 (A1), SemperFi_23 (A2), Serenity_20 (A2), Sham4_21 (A11), ShayRa_24 (A15), SheaKeira_21 (A9), Shep_20 (A3), ShortQueendom_19 (A1), Shuman_16 (CA), Sibs6_21 (A1), SkiPole_21 (A1), Sknot_21 (A2), Slagathor_20 (A1), Smairt_20 (A1), Smeadley_17 (A8), Smeagan_23 (A2), Smeagol_21 (A1), SmellyB_24 (A6), SnapTap_21 (A2), Snape_21 (A11), Snazzy_17 (A1), Solon_19 (A1), SororFago_20 (A14), Sorpresa_19 (A1), Soups_23 (A15), SpikeBT_21 (A1), Spouty_22 (A9), Squee_20 (A1), StCroix_16 (CA), StarStuff_24 (A2), Steamy_22 (A12), Stephig9_17 (A8), StewieG_18 (A1), StrongArm_18 (A1), Strosahl_23 (A15), Sumter_18 (A1), Sunhee_20 (A14), Sunshine924_18 (A1), SuperAwesome_24 (A6), SuperCallie99_24 (A6), Superchunk_20 (A2), Swann_16 (CA), SweetiePie_21 (A2), SwirlSquare_22 (A2), Swirley_17 (A5), SwissCheese_19 (A1), Switzer_20 (A1), Switzerland_23 (A15), Swole_21 (A1), SydNat_17 (A5), TNguyen7_20 (A3), TWAMP_16 (CA), Takoda_16 (CA), Target_21 (A1), TarsusIV_21 (A2), Tarynearal_16 (A5), Tasp14_20 (A1), Temprado_24 (A6), Teodoridan_17 (A1), Terrific_23 (A2), Theia_15 (A5), TheloniousMonk_21 (A1), Thor_19 (A1), Tiger_17 (A5), Timothy_21 (A11), TinyTimmy_21 (A11), TipsytheTRex_20 (A2), Toaka_20 (A9), Tomathan_24 (A2), ToneTone_22 (A6), Topgun_19 (A1), Tote_21 (A1), Traft412_21 (A1), Travvers_24 (A2), Treddle_21 (A1), Tripl3t_20 (A1), Tristan_22 (A2), Trixie_24 (A2), Trooper_21 (A2), Trouble_19 (A1), Tubs_22 (A9), Tucker_24 (A6), Turbido_23 (A2), Turj99_18 (A1), Twigg_17 (A5), TwoPeat_20 (A1), U2_19 (A1), Ugenie5_19 (A9), UhSalsa_16 (CA), UnionJack_17 (A5), Updawg_23 (A2), VA6_21 (A2), VC3_24 (A2), Vanisoa_20 (A9), Violet_18 (A1), VohminGhazi_24 (A6), Waits_23 (A15), Warrior24_23 (A15), Watermelon_21 (A1), WeiHuaDA_26 (A2), Whabigail7_23 (A2), Wheeler_19 (A1), Whitspit_20 (A1), WideWale_23 (A2), Wiks_24 (A6), Wilkins_19 (A1), Wolpertinger_20 (A11), WorldCup_19 (A9), WunderPhul_24 (A6), XianYue_21 (A2), Yecey3_21 (A9), Yogi_16 (CA), Yokurt_24 (A6), Yoncess_16 (CA), Zaka_24 (A6), Zarafa_20 (A3), Zeeculate_18 (A1), Zephyr_19 (A1), Zeuska_20 (A1), Zimmer_23 (A12), Zolita_16 (A5), Zulu_24 (A6),

Start 65:
• Found in 279 of 1075 (26.0%) of genes in pham
• Manual Annotations of this start: 263 of 1008
• Called 99.6% of time when present
• Phage (with cluster) where this start called: ACFishhook_22 (A3), AbbysRanger_20 (A4), Abdiel_20 (A4), Achebe_20 (A4), Aglet_22 (A3), AgronaGT15_22 (A3), Albee_20 (A4), Alberto7_21 (A4), Annyong_20 (A4), Anubis_24 (A3), Arturo_19 (A4), AugsMagnumOpus_24 (A3), AvatarAhPeg_21 (A4), Avle17_20 (A4), Baby16_20 (A4), BabyRay_20 (A3), Backyardigan_20 (A4), Badger_20 (A4), BangNhom_20 (A4), Bartimeaus_20 (A4), Beauxregard13_22 (A3), BellusTerra_20 (A4), Bigflo_22 (A3), Blackmoor_20 (A4), Bombshell_20 (A4), BreSam8_22 (A3), Broseidon_20 (A4), Bruiser_20 (A4), BubbleTrouble_20 (A4), Buckaroo_19 (A4), Bumblebee11_20 (A4),

Burger_19 (A4), BuzzBuzz_21 (A3), Bxz2_21 (A3), Caelakin_20 (A4), Calvinny_22 (A3), Camperdownii_19 (A4), Cat_18 (A3), Caviar_21 (A3), CentreCat_20 (A4), Cerulean_21 (A4), ChampagnePapi_21 (A4), Chaph_20 (A4), Chupacabra_20 (A10), Cici_20 (A4), Cindaradix_19 (A4), Cintron_20 (A4), Citius_20 (A4), Clarenza_20 (A4), ClownCar_22 (A3), Cocoaberry_20 (A4), Colbster_22 (A3), Commander_20 (A4), Connomayer_20 (A4), Croquant_23 (A3), Cullens_22 (A3), DaHudson_22 (A3), Daishi_21 (A3), Datway_20 (A4), Deano_20 (A4), Dhanush_20 (A4), Dieselweasel_22 (A3), DirtyDunning_20 (A4), DontArgue_19 (A10), Drake94_19 (A10), Druantia_20 (A4), DustyMartin_23 (A10), Eagle_19 (A4), Eaglepride_21 (A10), Eapen_20 (A4), Edison31_20 (A10), EpicPhail_22 (A3), Eris_20 (A4), Eros_20 (A4), EtoileNova_21 (A3), Eurydice_20 (A4), Farber_22 (A3), Fernando_22 (A3), Florean_20 (A4), Flux_20 (A4), Funston_20 (A4), Gadost_20 (A4), Gemma_22 (A3), GingkoMaracino_22 (A3), Goose_20 (A10), Grif_22 (A3), Groupthink_23 (A3), Grub_22 (A3), Grum1_22 (A3), GtownJaz_22 (A3), Gwennie_22 (A3), HamSlice_19 (A4), Happiness_20 (A4), HashRod_23 (A3), HaveUMetTed_23 (A3), Heliosoles_22 (A3), Hercules11_22 (A3), Holli_20 (A4), Hookmount_21 (A3), Houdini22_20 (A4), Huxley_20 (A4), ICleared_20 (A4), Iceman_21 (A4), Iracema64_21 (A4), JHC117_22 (A3), Jaykayelowell_20 (A4), JenCasNa_22 (A3), JeppNRM_23 (A3), JetBlade_20 (A4), Jobu08_22 (A3), JoongJeon_20 (A4), Junimo_19 (A4), KADY_23 (A3), KFPoly_20 (A4), Kalb97_23 (A3), Kalnoky_23 (A3), Kampy_20 (A4), Katalie136_20 (A4), KekoraPapaka_19 (A4), Kingmustik0402_20 (A4), KittenMittens_19 (A10), Koan_20 (A4), Koreni_19 (A4), Kratark_20 (A4), Kremtemulon_20 (A4), Kristoff_21 (A10), Kyee_20 (A4), LBerry_22 (A3), LHTSCC_21 (A4), Lambert1_21 (A3), LappelDuVide_20 (A4), LarryKay_22 (A3), Lemur_20 (A4), LeoAvram_20 (A4), Lilith_22 (A3), LittleB_20 (A4), LittleGuy_20 (A4), LochMonster_20 (A4), Lorenzo_20 (A4), Louie6_22 (A3), Lowa_22 (A3), LugYA_24 (A3), Lunsford_21 (A4), MadMarie_22 (A3), Mainiac_22 (A3), Malinsilva_24 (A3), Manu_23 (A3), MarQuardt_22 (A3), Margo_21 (A3), Marie_22 (A3), Marius_23 (A3), Maverick_20 (A4), Maxo_20 (A4), Mayonnaise_20 (A4), Mazhar510_20 (A4), Medusa_20 (A4), MeeZee_20 (A4), Melvin_20 (A4), Methuselah_21 (A3), Microwolf_22 (A3), Millski_20 (A4), Miramae_20 (A4), Misomonster_24 (A3), MoneyMay_22 (A3), Montavir_21 (A3), Morpher26_20 (A4), Morrow_20 (A4), MuchMore_24 (A3), Mundrea_20 (A4), Nebs_20 (A4), Nemo27_20 (A4), Noella_21 (A3), Noelle_20 (A4), Norbert_20 (A3), NorthStar_20 (A4), Northrop_20 (A4), NotAPhaseMom_20 (A4), Nyxis_20 (A4), OKCentral2016_20 (A10), OKaNui_21 (A4), Obama12_21 (A4), Ohfah_20 (A4), OlanP_22 (A3), Ollie_22 (A3), P28Green_22 (A3), PGHhamlin_24 (A3), Palestino_20 (A4), Panamaxus_20 (A3), Pawn_22 (A3), PeaceMeal1_19 (A10), Peaches_20 (A4), Pembroke_22 (A3), Penny1_22 (A3), Perplexer_20 (A4), PeterPeter_20 (A4), PetiteSangsue_20 (A4), Phacado_20 (A4), Phelipe_20 (A4), Phighter1804_20 (A4), PhishRPhriends_21 (A3), Phoebe_22 (A3), Phontbonne_20 (A4), Phoxy_22 (A3), Phranny_23 (A3), Pipcraft_20 (A4), Pocahontas_21 (A3), Polymorphads_20 (A4), Poompha_19 (A10), Popcicle_21 (A3), PotatoSplit_23 (A3), Pumbaa_20 (A4), PurpleHaze_22 (A3), QuinnKiro_20 (A3), Reba_23 (A3), Rebeuca_21 (A10), Relief_20 (A4), ResDef_21 (A3), RhynO_21 (A10), RockieBear_20 (A4), Rocksand_20 (A4), Romney_20 (A4), Roosevelt_20 (A4), Rosa24_19 (A4), Rowdy_23 (A10), Ruin_20 (A4), Rummer_22 (A3), Sabertooth_20 (A4), Sabia_22 (A3), Sabinator_22 (A3), Scamp_20 (A4), SenorClean_20 (A4), Severus_19 (A10), Shaka_20 (A4), Shapes_23 (A10), SheldonCooper_21 (A4), Shygu2_20 (A4), Skadoosh_20 (A4), Skipitt_20 (A4), Snickers_22 (A3), SoYo_22 (A3), SoilDragon_22 (A3), Soshari_24 (A3), Sparxx_20 (A4), Spike509_22 (A3), Spino_20 (A4), Stagni_22 (A3), Stasia_21 (A4), SteMason_20 (A4), Stink_21 (A4), Sultana_20 (A4), Taquarus_20 (A4), Taurus_22 (A3), Texage_20 (A3), Thanksgivukkah_20 (A4), Tiffany_22 (A3), TinaFeyge_20 (A4), TinyPebbles_22 (A3), Tinybot_19 (A4),

TiroTheta9_20 (A4), Todacoro_21 (A3), Topanga_20 (A10), Trike_18 (A10), TroyPia_20 (A4), Twister_20 (A10), TygerBlood_20 (A4), Ulysses_19 (A4), Veracruz_20 (A3), Vix_22 (A3), WalterMcMickey_20 (A10), Wander_20 (A4), Watson_22 (A3), Wilbur_20 (A4), Wile_20 (A4), Wizard007_20 (A4), Wooldri_24 (A3), Xena_20 (A4), YoSam321_20 (A4), Zetzy_21 (A3),

Start 66:
• Found in 8 of 1075 (0.7%) of genes in pham
• Manual Annotations of this start: 5 of 1008
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_21 (A7), HINdeR_20 (A7), PP_30 (A7), Sheen_22 (A7), Timshel_21 (A7), Toro_23 (A7),

Start 67:
• Found in 243 of 1075 (22.6%) of genes in pham
• Manual Annotations of this start: 2 of 1008
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Bruns_18 (A1), Lesedi_18 (A1),

Start 70:
• Found in 17 of 1075 (1.6%) of genes in pham
• Manual Annotations of this start: 5 of 1008
• Called 35.3% of time when present
• Phage (with cluster) where this start called: Amela_13 (BD3), BroPlease_14 (BD4), GreenWeasel_15 (BD4), Paolo_15 (BD2), phiCAM_14 (BD3), phiHau3_15 (BD4),

Start 71:
• Found in 1 of 1075 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1008
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Attoomi_10 (singleton),

Start 72:
• Found in 60 of 1075 (5.6%) of genes in pham
• Manual Annotations of this start: 58 of 1008
• Called 98.3% of time when present
• Phage (with cluster) where this start called: Aaronocolus_13 (BD1), Asten_13 (BD1), BarryBee_15 (BD1), BeardedLady_14 (BD1), Bovely_13 (BD1), Brataylor_14 (BD1), BryanRecycles_14 (BD1), Caliburn_13 (BD1), Celeste_13 (BD1), Celia_13 (BD6), Chucky_13 (BD1), Danzina_14 (BD1), Dattran_14 (BD1), Dwayne_13 (BD1), Eddasa_14 (BD1), Ejemplo_13 (BD1), Emaanora_15 (BD1), EnochSoames_14 (BD1), Esperer_13 (BD1), Goby_13 (BD1), Godpower_14 (BD1), Hippo_13 (BD1), Hydra_15 (BD1), Indigo_13 (BD1), Itza_13 (BD6), Jash_14 (BD1), Katalie_14 (BD1), Lannister_14 (BD1), Legacy_13 (BD1), Leviticus_13 (BD1), Lika_13 (BD1), Lorelei_13 (BD1), Maneekul_13 (BD1), Nabi_13 (BD1), Nanodon_15 (BD1), Nerdos_13 (BD1), Oliynyk_14 (BD1), Ozzie_13 (BD1), OzzyJ_14 (BD1), Phettuccine_13 (BD1), Rana_13 (BD1), RedBear_15 (BD1), Rusticus_14 (BD1), SarahRose_13 (BD1), Snorlax_13 (BD1), South40_14 (BD1), Sujidade_14 (BD1), SunsetPointe_13 (BD1), TagePhighter_14 (BD1), Toma_13 (BD1), Triste_13 (BD1), TuanPN_13 (BD1), Unstoppable_13 (BD1), Urza_13 (BD6), VieEnRose_13 (BD6), Werner_13 (BD1), Whatever_13 (BD1), Yasdnil_13 (BD1), Zemlya_14 (BD1),

Start 73:

• Found in 54 of 1075 (5.0%) of genes in pham
• Manual Annotations of this start: 46 of 1008
• Called 92.6% of time when present
• Phage (with cluster) where this start called: Alsaber_14 (BD3), Alvy_15 (BD2), Amethyst_13 (BD2), Andris_13 (BD2), Animus_14 (BD2), Axiom_14 (BD2), BartholomewSD_15 (BD2), Bowden_14 (BD2), Caelum_14 (BD2), Celery_16 (BD3), Conan_14 (BD3), Daudau_13 (BD2), Dexers_12 (BD3), Diane_13 (BD2), ELB20_12 (BD2), ElGato_14 (BD3), GirlDinner_13 (BD2), Haizum_13 (BD2), Hank144_14 (BD2), Issmi_14 (BD2), Janus_14 (BD2), Jevington_15 (BD2), Jhitchelle_12 (BD3), Kaine_13 (BD3), Loofah_14 (BD2), Marav_16 (BD2), Nishikigoi_13 (BD2), Omar_14 (BD2), Pablito_13 (BD2), Pavo_14 (BD3), Provolone_14 (BD3), Puginator_15 (BD2), R4_13 (BD2), Saftant_13 (BD3), Speedwell_18 (BD3), SqueakyClean_14 (BD2), Sudan_13 (BD3), SunkenRoot_13 (BD3), Superstar_16 (BD2), Tefunt_13 (BD2), Thestral_14 (BD2), TinaBelcher_13 (BD2), Triumph_15 (BD2), TrvxScott_12 (BD2), Vanseggelen_17 (BD3), Verabelle_14 (BD3), Verse_13 (BD3), Yosif_14 (BD3), Zainub_15 (BD2), ZamZam_13 (BD3),

Start 76:
• Found in 1 of 1075 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1008
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nedarya_22 (A15),

Start 79:
• Found in 38 of 1075 (3.5%) of genes in pham
• No Manual Annotations of this start.
• Called 2.6% of time when present
• Phage (with cluster) where this start called: RGL3_9 (CA),

Start 80:
• Found in 142 of 1075 (13.2%) of genes in pham
• Manual Annotations of this start: 1 of 1008
• Called 1.4% of time when present
• Phage (with cluster) where this start called: FlyCatcher_24 (A7), StepMih_22 (A3),

Start 88:
• Found in 361 of 1075 (33.6%) of genes in pham
• Manual Annotations of this start: 2 of 1008
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Izzy_14 (BD1), Paedore_13 (BD2),

Summary by clusters:

There are 29 clusters represented in this pham: singleton, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, A8, A7, CA, BD2, A5, A20, A21, A22, BD6,

Info for manual annotations of cluster A1:
•Start number 64 was manually annotated 229 times for cluster A1.
•Start number 67 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 65 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 64 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 64 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 64 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 64 was manually annotated 24 times for cluster A15.
•Start number 76 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A16:
•Start number 64 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 64 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 64 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 64 was manually annotated 117 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 64 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 64 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 64 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 64 was manually annotated 22 times for cluster A3.
•Start number 65 was manually annotated 102 times for cluster A3.
•Start number 80 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:
•Start number 65 was manually annotated 144 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 64 was manually annotated 40 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 64 was manually annotated 50 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 66 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 64 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 64 was manually annotated 46 times for cluster A9.

Info for manual annotations of cluster BD1:
•Start number 72 was manually annotated 54 times for cluster BD1.
•Start number 88 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 70 was manually annotated 1 time for cluster BD2.
•Start number 73 was manually annotated 31 times for cluster BD2.
•Start number 88 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 70 was manually annotated 1 time for cluster BD3.
•Start number 73 was manually annotated 15 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 70 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 72 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CA:
•Start number 64 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: 20ES_21 Start: 14319, Stop: 14654, Start Num: 64
Candidate Starts for 20ES_21:
(51, 14223), (56, 14238), (Start: 64 @14319 has 623 MA's), (82, 14349), (102, 14427),

Gene: 40AC_24 Start: 16345, Stop: 16680, Start Num: 64
Candidate Starts for 40AC_24:
(51, 16249), (56, 16264), (Start: 64 @16345 has 623 MA's), (122, 16531), (130, 16567),

Gene: A6_17 Start: 13293, Stop: 13688, Start Num: 64
Candidate Starts for A6_17:
(Start: 64 @13293 has 623 MA's), (Start: 67 @13299 has 2 MA's), (83, 13332), (Start: 88 @13350 has 2 MA's), (92, 13362), (122, 13491), (128, 13509),

Gene: ACFishhook_22 Start: 13820, Stop: 14179, Start Num: 65
Candidate Starts for ACFishhook_22:
(Start: 65 @13820 has 263 MA's), (Start: 80 @13847 has 1 MA's), (115, 13997), (130, 14054), (134, 14087), (139, 14105),

Gene: AFIS_19 Start: 13631, Stop: 14026, Start Num: 64
Candidate Starts for AFIS_19:

(Start: 64 @13631 has 623 MA's), (Start: 67 @13637 has 2 MA's), (83, 13670), (Start: 88 @13688 has 2 MA's), (92, 13700), (122, 13829), (128, 13847),

Gene: AN3_21 Start: 14309, Stop: 14644, Start Num: 64
Candidate Starts for AN3_21:
(51, 14213), (56, 14228), (Start: 64 @14309 has 623 MA's), (82, 14339), (98, 14393),

Gene: AN9_24 Start: 14296, Stop: 14631, Start Num: 64
Candidate Starts for AN9_24:
(51, 14200), (56, 14215), (Start: 64 @14296 has 623 MA's), (122, 14482),

Gene: ANI8_24 Start: 14296, Stop: 14631, Start Num: 64
Candidate Starts for ANI8_24:
(51, 14200), (56, 14215), (Start: 64 @14296 has 623 MA's), (122, 14482),

Gene: Aaronocolus_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Aaronocolus_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: AbbyPaige_23 Start: 14772, Stop: 15107, Start Num: 64
Candidate Starts for AbbyPaige_23:
(12, 14262), (51, 14676), (56, 14691), (Start: 64 @14772 has 623 MA's), (82, 14802),

Gene: AbbysRanger_20 Start: 13595, Stop: 13987, Start Num: 65
Candidate Starts for AbbysRanger_20:
(Start: 65 @13595 has 263 MA's), (128, 13811), (151, 13949), (153, 13964), (156, 13979),

Gene: Abbyshoes_20 Start: 14017, Stop: 14412, Start Num: 64
Candidate Starts for Abbyshoes_20:
(Start: 64 @14017 has 623 MA's), (Start: 67 @14023 has 2 MA's), (83, 14056), (Start: 88 @14074 has 2 MA's), (92, 14086), (122, 14215), (128, 14233),

Gene: Abdiel_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Abdiel_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Abrogate_200 Start: 14389, Stop: 14784, Start Num: 64
Candidate Starts for Abrogate_200:
(Start: 64 @14389 has 623 MA's), (Start: 67 @14395 has 2 MA's), (83, 14428), (Start: 88 @14446 has 2 MA's), (92, 14458), (122, 14587), (128, 14605),

Gene: Achebe_20 Start: 13574, Stop: 13966, Start Num: 65
Candidate Starts for Achebe_20:
(Start: 65 @13574 has 263 MA's), (68, 13583), (128, 13790), (130, 13808), (151, 13928), (153, 13943), (156, 13958),

Gene: Acme_21 Start: 14067, Stop: 14462, Start Num: 64
Candidate Starts for Acme_21:
(Start: 64 @14067 has 623 MA's), (Start: 67 @14073 has 2 MA's), (83, 14106), (Start: 88 @14124 has 2 MA's), (92, 14136), (122, 14265), (128, 14283),

Gene: Acolyte_21 Start: 14440, Stop: 14778, Start Num: 64
Candidate Starts for Acolyte_21:
(51, 14344), (56, 14359), (Start: 64 @14440 has 623 MA's), (92, 14503), (98, 14524), (122, 14626), (127, 14641), (130, 14662),

Gene: Adahisdi_20 Start: 13949, Stop: 14344, Start Num: 64
Candidate Starts for Adahisdi_20:
(Start: 64 @13949 has 623 MA's), (Start: 67 @13955 has 2 MA's), (83, 13988), (Start: 88 @14006 has 2 MA's), (92, 14018), (122, 14147), (128, 14165),

Gene: Adzzy_22 Start: 13055, Stop: 13390, Start Num: 64
Candidate Starts for Adzzy_22:
(51, 12959), (56, 12974), (Start: 64 @13055 has 623 MA's), (92, 13118), (98, 13139), (122, 13241), (130, 13277), (134, 13310), (151, 13385),

Gene: Aeneas_21 Start: 14057, Stop: 14452, Start Num: 64
Candidate Starts for Aeneas_21:
(Start: 64 @14057 has 623 MA's), (Start: 67 @14063 has 2 MA's), (83, 14096), (Start: 88 @14114 has 2 MA's), (92, 14126), (122, 14255), (128, 14273),

Gene: Agaliana_19 Start: 14009, Stop: 14404, Start Num: 64
Candidate Starts for Agaliana_19:
(Start: 64 @14009 has 623 MA's), (Start: 67 @14015 has 2 MA's), (83, 14048), (Start: 88 @14066 has 2 MA's), (92, 14078), (122, 14207), (128, 14225),

Gene: Agape74_23 Start: 14772, Stop: 15107, Start Num: 64
Candidate Starts for Agape74_23:
(12, 14262), (16, 14301), (51, 14676), (56, 14691), (Start: 64 @14772 has 623 MA's), (82, 14802),

Gene: AgentM_17 Start: 12748, Stop: 13161, Start Num: 64
Candidate Starts for AgentM_17:
(22, 12292), (54, 12652), (Start: 64 @12748 has 623 MA's), (86, 12802), (128, 12982),

Gene: Aglet_22 Start: 13666, Stop: 14025, Start Num: 65
Candidate Starts for Aglet_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: AgronaGT15_22 Start: 13573, Stop: 13932, Start Num: 65
Candidate Starts for AgronaGT15_22:
(Start: 65 @13573 has 263 MA's), (Start: 80 @13600 has 1 MA's), (115, 13750), (130, 13807), (134, 13840), (139, 13858),

Gene: Airmid_17 Start: 12511, Stop: 12924, Start Num: 64
Candidate Starts for Airmid_17:
(54, 12415), (56, 12430), (Start: 64 @12511 has 623 MA's), (125, 12736), (126, 12739), (128, 12745),

Gene: Ajay_19 Start: 13781, Stop: 14176, Start Num: 64
Candidate Starts for Ajay_19:
(Start: 64 @13781 has 623 MA's), (Start: 67 @13787 has 2 MA's), (83, 13820), (Start: 88 @13838 has 2 MA's), (92, 13850), (122, 13979), (128, 13997),

Gene: Alatin_16 Start: 9649, Stop: 9960, Start Num: 64

Candidate Starts for Alatin_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Albee_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Albee_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Alberto7_21 Start: 13871, Stop: 14263, Start Num: 65
Candidate Starts for Alberto7_21:
(Start: 65 @13871 has 263 MA's), (124, 14075), (125, 14078), (126, 14081), (128, 14087), (130, 14105), (151, 14225), (152, 14228), (153, 14240), (156, 14255),

Gene: Aldrich_20 Start: 14558, Stop: 14953, Start Num: 64
Candidate Starts for Aldrich_20:
(Start: 64 @14558 has 623 MA's), (Start: 67 @14564 has 2 MA's), (83, 14597), (Start: 88 @14615 has 2 MA's), (92, 14627), (122, 14756), (128, 14774),

Gene: Aliter_22 Start: 15004, Stop: 15393, Start Num: 64
Candidate Starts for Aliter_22:
(Start: 64 @15004 has 623 MA's), (130, 15235), (151, 15355),

Gene: Alma_22 Start: 15083, Stop: 15472, Start Num: 64
Candidate Starts for Alma_22:
(Start: 64 @15083 has 623 MA's), (130, 15314), (151, 15434),

Gene: Alpacados_15 Start: 9579, Stop: 9890, Start Num: 64
Candidate Starts for Alpacados_15:
(Start: 64 @9579 has 623 MA's), (79, 9585), (96, 9639), (110, 9702), (126, 9762), (129, 9771),

Gene: Alsaber_14 Start: 9250, Stop: 9636, Start Num: 73
Candidate Starts for Alsaber_14:
(61, 9163), (Start: 70 @9244 has 5 MA's), (Start: 73 @9250 has 46 MA's), (100, 9355), (144, 9562), (155, 9622),

Gene: Alsfro_23 Start: 14501, Stop: 14896, Start Num: 64
Candidate Starts for Alsfro_23:
(54, 14405), (Start: 64 @14501 has 623 MA's), (Start: 67 @14507 has 2 MA's), (83, 14540), (Start: 88 @14558 has 2 MA's), (92, 14570), (122, 14699), (128, 14717),

Gene: Altman_21 Start: 14546, Stop: 14941, Start Num: 64
Candidate Starts for Altman_21:
(Start: 64 @14546 has 623 MA's), (Start: 67 @14552 has 2 MA's), (83, 14585), (Start: 88 @14603 has 2 MA's), (92, 14615), (122, 14744), (128, 14762),

Gene: Alvin_20 Start: 14267, Stop: 14662, Start Num: 64
Candidate Starts for Alvin_20:
(Start: 64 @14267 has 623 MA's), (Start: 67 @14273 has 2 MA's), (83, 14306), (Start: 88 @14324 has 2 MA's), (92, 14336), (122, 14465), (128, 14483),

Gene: Alvy_15 Start: 9132, Stop: 9584, Start Num: 73
Candidate Starts for Alvy_15:

(41, 8775), (Start: 73 @9132 has 46 MA's), (Start: 80 @9168 has 1 MA's), (Start: 88 @9198 has 2 MA's), (113, 9294), (122, 9321), (143, 9453),

Gene: Amela_13 Start: 9353, Stop: 9742, Start Num: 70
Candidate Starts for Amela_13:
(36, 8981), (44, 9014), (61, 9272), (Start: 70 @9353 has 5 MA's), (Start: 73 @9359 has 46 MA's), (89, 9428), (140, 9644), (155, 9728),

Gene: Amethyst_13 Start: 8945, Stop: 9406, Start Num: 73
Candidate Starts for Amethyst_13:
(34, 8552), (48, 8723), (56, 8828), (61, 8858), (Start: 73 @8945 has 46 MA's), (Start: 80 @8981 has 1 MA's), (Start: 88 @9011 has 2 MA's), (100, 9050), (136, 9227), (140, 9251), (144, 9275),

Gene: Anaysia_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for Anaysia_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Andris_13 Start: 9002, Stop: 9391, Start Num: 73
Candidate Starts for Andris_13:
(43, 8651), (48, 8780), (56, 8885), (61, 8915), (Start: 73 @9002 has 46 MA's), (98, 9110), (114, 9176), (122, 9200), (123, 9203), (144, 9317), (155, 9377),

Gene: Aneem_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Aneem_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Anglerfish_20 Start: 14929, Stop: 15324, Start Num: 64
Candidate Starts for Anglerfish_20:
(Start: 64 @14929 has 623 MA's), (Start: 67 @14935 has 2 MA's), (83, 14968), (Start: 88 @14986 has 2 MA's), (92, 14998), (122, 15127), (128, 15145),

Gene: AngryOrchard_15 Start: 9562, Stop: 9873, Start Num: 64
Candidate Starts for AngryOrchard_15:
(Start: 64 @9562 has 623 MA's), (79, 9568), (96, 9622), (110, 9685), (126, 9745), (129, 9754),

Gene: Animus_14 Start: 9373, Stop: 9744, Start Num: 73
Candidate Starts for Animus_14:
(25, 8911), (29, 8947), (43, 9022), (44, 9025), (61, 9286), (Start: 73 @9373 has 46 MA's), (75, 9388), (122, 9547), (123, 9550), (140, 9646), (144, 9670), (155, 9730),

Gene: AnnaL29_24 Start: 16167, Stop: 16502, Start Num: 64
Candidate Starts for AnnaL29_24:
(5, 15618), (18, 15702), (35, 15834), (51, 16071), (56, 16086), (Start: 64 @16167 has 623 MA's), (82, 16197), (122, 16353), (130, 16389),

Gene: Annyong_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Annyong_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: Anon_21 Start: 13745, Stop: 14095, Start Num: 64
Candidate Starts for Anon_21:

(10, 13220), (11, 13223), (13, 13250), (56, 13664), (Start: 64 @13745 has 623 MA's), (Start: 80 @13775 has 1 MA's), (Start: 88 @13805 has 2 MA's), (115, 13925), (130, 13982),

Gene: Anselm_21 Start: 14416, Stop: 14751, Start Num: 64
Candidate Starts for Anselm_21:
(51, 14320), (56, 14335), (Start: 64 @14416 has 623 MA's), (82, 14446), (122, 14602), (130, 14638),

Gene: Anthony_20 Start: 12465, Stop: 12797, Start Num: 64
Candidate Starts for Anthony_20:
(51, 12369), (Start: 64 @12465 has 623 MA's), (94, 12537), (103, 12576), (132, 12708), (135, 12720),

Gene: Anubis_24 Start: 13551, Stop: 13910, Start Num: 65
Candidate Starts for Anubis_24:
(Start: 65 @13551 has 263 MA's), (Start: 80 @13578 has 1 MA's), (115, 13728), (130, 13785), (134, 13818), (139, 13836),

Gene: AppleCloud_14 Start: 9302, Stop: 9613, Start Num: 64
Candidate Starts for AppleCloud_14:
(Start: 64 @9302 has 623 MA's), (79, 9308), (110, 9425), (122, 9473), (126, 9485), (130, 9509),

Gene: Applejack_19 Start: 13706, Stop: 14101, Start Num: 64
Candidate Starts for Applejack_19:
(Start: 64 @13706 has 623 MA's), (Start: 67 @13712 has 2 MA's), (83, 13745), (Start: 88 @13763 has 2 MA's), (92, 13775), (122, 13904), (128, 13922),

Gene: Aragog_17 Start: 12778, Stop: 13191, Start Num: 64
Candidate Starts for Aragog_17:
(22, 12322), (54, 12682), (Start: 64 @12778 has 623 MA's), (86, 12832), (128, 13012),

Gene: Arcanine_20 Start: 13948, Stop: 14343, Start Num: 64
Candidate Starts for Arcanine_20:
(Start: 64 @13948 has 623 MA's), (Start: 67 @13954 has 2 MA's), (83, 13987), (Start: 88 @14005 has 2 MA's), (92, 14017), (122, 14146), (128, 14164),

Gene: ArcherNM_23 Start: 16110, Stop: 16445, Start Num: 64
Candidate Starts for ArcherNM_23:
(51, 16014), (56, 16029), (Start: 64 @16110 has 623 MA's), (82, 16140), (98, 16194), (127, 16311),

Gene: Archetta_17 Start: 12491, Stop: 12904, Start Num: 64
Candidate Starts for Archetta_17:
(22, 12035), (54, 12395), (Start: 64 @12491 has 623 MA's), (86, 12545), (128, 12725),

Gene: Arissanae_20 Start: 13176, Stop: 13565, Start Num: 64
Candidate Starts for Arissanae_20:
(Start: 64 @13176 has 623 MA's), (115, 13347), (130, 13407),

Gene: Arlo_18 Start: 13327, Stop: 13722, Start Num: 64
Candidate Starts for Arlo_18:
(Start: 64 @13327 has 623 MA's), (Start: 67 @13333 has 2 MA's), (83, 13366), (Start: 88 @13384 has 2 MA's), (92, 13396), (122, 13525), (128, 13543),

Gene: Artemis2UCLA_24 Start: 14295, Stop: 14648, Start Num: 64
Candidate Starts for Artemis2UCLA_24:

(51, 14199), (56, 14214), (Start: 64 @14295 has 623 MA's), (102, 14403), (124, 14487),

Gene: Arturo_19 Start: 13680, Stop: 14072, Start Num: 65
Candidate Starts for Arturo_19:
(Start: 65 @13680 has 263 MA's), (68, 13689), (124, 13884), (125, 13887), (126, 13890), (128, 13896), (130, 13914), (151, 14034), (153, 14049), (156, 14064),

Gene: Ashballer_18 Start: 13710, Stop: 14105, Start Num: 64
Candidate Starts for Ashballer_18:
(Start: 64 @13710 has 623 MA's), (Start: 67 @13716 has 2 MA's), (83, 13749), (Start: 88 @13767 has 2 MA's), (92, 13779), (122, 13908), (128, 13926),

Gene: Asten_13 Start: 9138, Stop: 9533, Start Num: 72
Candidate Starts for Asten_13:
(3, 8559), (7, 8583), (15, 8646), (56, 9024), (61, 9054), (Start: 72 @9138 has 58 MA's), (Start: 88 @9204 has 2 MA's), (113, 9312), (123, 9342), (144, 9462), (155, 9519),

Gene: Astro_17 Start: 12253, Stop: 12621, Start Num: 64
Candidate Starts for Astro_17:
(42, 11965), (49, 12145), (55, 12172), (Start: 64 @12253 has 623 MA's), (90, 12295), (107, 12373), (110, 12379),

Gene: Atkinbua_20 Start: 13681, Stop: 14076, Start Num: 64
Candidate Starts for Atkinbua_20:
(Start: 64 @13681 has 623 MA's), (Start: 67 @13687 has 2 MA's), (83, 13720), (Start: 88 @13738 has 2 MA's), (92, 13750), (122, 13879), (128, 13897),

Gene: Attoomi_10 Start: 7279, Stop: 7563, Start Num: 71
Candidate Starts for Attoomi_10:
(53, 7141), (57, 7174), (Start: 71 @7279 has 1 MA's), (77, 7312), (81, 7321), (100, 7384), (101, 7387), (111, 7426), (113, 7432), (118, 7447), (121, 7456), (122, 7459), (130, 7483), (135, 7519), (138, 7528),

Gene: AugsMagnumOpus_24 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for AugsMagnumOpus_24:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: AvatarAhPeg_21 Start: 13859, Stop: 14251, Start Num: 65
Candidate Starts for AvatarAhPeg_21:
(Start: 65 @13859 has 263 MA's), (68, 13868), (128, 14075), (130, 14093), (151, 14213), (153, 14228), (156, 14243),

Gene: Avle17_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Avle17_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Axiom_14 Start: 9034, Stop: 9429, Start Num: 73
Candidate Starts for Axiom_14:
(43, 8683), (61, 8947), (Start: 73 @9034 has 46 MA's), (Start: 88 @9109 has 2 MA's), (92, 9121), (108, 9181), (114, 9208), (122, 9232), (123, 9235), (144, 9355), (155, 9415),

Gene: Ayanochan_22 Start: 15109, Stop: 15498, Start Num: 64

Candidate Starts for Ayanochan_22:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: B1_18 Start: 12860, Stop: 13201, Start Num: 64
Candidate Starts for B1_18:
(54, 12764), (56, 12779), (Start: 64 @12860 has 623 MA's), (102, 12974), (115, 13037), (130, 13094), (134, 13127), (149, 13193),

Gene: BABullseye_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for BABullseye_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: BK1_17 Start: 13293, Stop: 13688, Start Num: 64
Candidate Starts for BK1_17:
(Start: 64 @13293 has 623 MA's), (Start: 67 @13299 has 2 MA's), (83, 13332), (Start: 88 @13350 has 2 MA's), (92, 13362), (122, 13491), (128, 13509),

Gene: BPBiebs31_20 Start: 13973, Stop: 14368, Start Num: 64
Candidate Starts for BPBiebs31_20:
(54, 13877), (Start: 64 @13973 has 623 MA's), (Start: 67 @13979 has 2 MA's), (83, 14012), (Start: 88 @14030 has 2 MA's), (92, 14042), (122, 14171), (128, 14189),

Gene: Baby16_20 Start: 13578, Stop: 13970, Start Num: 65
Candidate Starts for Baby16_20:
(Start: 65 @13578 has 263 MA's), (124, 13782), (125, 13785), (126, 13788), (128, 13794), (130, 13812), (151, 13932), (152, 13935), (153, 13947), (156, 13962),

Gene: BabyBack_23 Start: 15949, Stop: 16284, Start Num: 64
Candidate Starts for BabyBack_23:
(51, 15853), (56, 15868), (Start: 64 @15949 has 623 MA's),

Gene: BabyJohn_19 Start: 13447, Stop: 13788, Start Num: 64
Candidate Starts for BabyJohn_19:
(54, 13351), (56, 13366), (Start: 64 @13447 has 623 MA's), (102, 13561), (115, 13624), (122, 13645), (130, 13681), (134, 13714), (149, 13780),

Gene: BabyRay_20 Start: 13453, Stop: 13794, Start Num: 65
Candidate Starts for BabyRay_20:
(Start: 65 @13453 has 263 MA's), (Start: 88 @13510 has 2 MA's), (102, 13567), (115, 13630), (122, 13651), (130, 13687), (134, 13720), (149, 13786),

Gene: Bachome_21 Start: 14834, Stop: 15184, Start Num: 64
Candidate Starts for Bachome_21:
(Start: 64 @14834 has 623 MA's), (98, 14918), (122, 15020), (130, 15056),

Gene: Backyardigan_20 Start: 13586, Stop: 13978, Start Num: 65
Candidate Starts for Backyardigan_20:
(Start: 65 @13586 has 263 MA's), (68, 13595), (128, 13802), (130, 13820), (151, 13940), (153, 13955), (156, 13970),

Gene: BaconJack_21 Start: 14048, Stop: 14443, Start Num: 64
Candidate Starts for BaconJack_21:

(Start: 64 @14048 has 623 MA's), (Start: 67 @14054 has 2 MA's), (83, 14087), (Start: 88 @14105 has 2 MA's), (92, 14117), (122, 14246), (128, 14264),

Gene: Bactobuster_22 Start: 16041, Stop: 16397, Start Num: 64
Candidate Starts for Bactobuster_22:
(51, 15945), (56, 15960), (Start: 64 @16041 has 623 MA's), (92, 16104), (97, 16122), (102, 16149), (122, 16227), (130, 16263), (134, 16296),

Gene: Badger_20 Start: 13575, Stop: 13967, Start Num: 65
Candidate Starts for Badger_20:
(Start: 65 @13575 has 263 MA's), (68, 13584), (128, 13791), (130, 13809), (151, 13929), (153, 13944), (156, 13959),

Gene: Baehexic_22 Start: 14819, Stop: 15154, Start Num: 64
Candidate Starts for Baehexic_22:
(51, 14723), (56, 14738), (Start: 64 @14819 has 623 MA's), (127, 15020), (130, 15041), (150, 15143),

Gene: BangNhom_20 Start: 13881, Stop: 14273, Start Num: 65
Candidate Starts for BangNhom_20:
(Start: 65 @13881 has 263 MA's), (68, 13890), (124, 14085), (125, 14088), (126, 14091), (128, 14097), (130, 14115), (151, 14235), (153, 14250), (156, 14265),

Gene: Barriga_19 Start: 13576, Stop: 13971, Start Num: 64
Candidate Starts for Barriga_19:
(Start: 64 @13576 has 623 MA's), (Start: 67 @13582 has 2 MA's), (83, 13615), (Start: 88 @13633 has 2 MA's), (92, 13645), (122, 13774), (128, 13792),

Gene: BarrowTuph_18 Start: 13621, Stop: 14016, Start Num: 64
Candidate Starts for BarrowTuph_18:
(Start: 64 @13621 has 623 MA's), (Start: 67 @13627 has 2 MA's), (83, 13660), (Start: 88 @13678 has 2 MA's), (92, 13690), (122, 13819), (128, 13837),

Gene: BarryBee_15 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for BarryBee_15:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: BartholomewSD_15 Start: 9132, Stop: 9584, Start Num: 73
Candidate Starts for BartholomewSD_15:
(41, 8775), (Start: 73 @9132 has 46 MA's), (Start: 80 @9168 has 1 MA's), (Start: 88 @9198 has 2 MA's), (113, 9294), (122, 9321), (143, 9453),

Gene: Bartimeaus_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Bartimeaus_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Battleship_24 Start: 13531, Stop: 13899, Start Num: 64
Candidate Starts for Battleship_24:
(Start: 64 @13531 has 623 MA's), (Start: 80 @13561 has 1 MA's), (82, 13570), (92, 13603), (115, 13711), (119, 13723), (130, 13768), (134, 13801),

Gene: BeardedLady_14 Start: 9426, Stop: 9824, Start Num: 72

Candidate Starts for BeardedLady_14:
(3, 8847), (9, 8883), (56, 9312), (Start: 59 @9327 has 1 MA's), (61, 9342), (Start: 72 @9426 has 58 MA's), (Start: 88 @9492 has 2 MA's), (100, 9531), (113, 9603), (122, 9630), (123, 9633), (144, 9750), (155, 9810),

Gene: Beatrix_18 Start: 14425, Stop: 14820, Start Num: 64
Candidate Starts for Beatrix_18:
(Start: 64 @14425 has 623 MA's), (Start: 67 @14431 has 2 MA's), (83, 14464), (Start: 88 @14482 has 2 MA's), (92, 14494), (122, 14623), (128, 14641),

Gene: Beauxregard13_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for Beauxregard13_22:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Beemo_22 Start: 15110, Stop: 15499, Start Num: 64
Candidate Starts for Beemo_22:
(Start: 64 @15110 has 623 MA's), (130, 15341),

Gene: BeesKnees_20 Start: 13766, Stop: 14161, Start Num: 64
Candidate Starts for BeesKnees_20:
(Start: 64 @13766 has 623 MA's), (Start: 67 @13772 has 2 MA's), (83, 13805), (Start: 88 @13823 has 2 MA's), (92, 13835), (122, 13964), (128, 13982),

Gene: Belenaria_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Belenaria_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Bellris_20 Start: 13146, Stop: 13535, Start Num: 64
Candidate Starts for Bellris_20:
(Start: 64 @13146 has 623 MA's), (115, 13317), (130, 13377),

Gene: BellusTerra_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for BellusTerra_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Benedict_17 Start: 12513, Stop: 12926, Start Num: 64
Candidate Starts for Benedict_17:
(54, 12417), (56, 12432), (Start: 64 @12513 has 623 MA's), (86, 12567), (125, 12738), (126, 12741), (128, 12747),

Gene: BengiVuitton_22 Start: 14732, Stop: 15067, Start Num: 64
Candidate Starts for BengiVuitton_22:
(51, 14636), (56, 14651), (Start: 64 @14732 has 623 MA's), (82, 14762), (98, 14816), (102, 14840), (130, 14954),

Gene: BennyP_24 Start: 14417, Stop: 14770, Start Num: 64
Candidate Starts for BennyP_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: Benvolio_21 Start: 14406, Stop: 14741, Start Num: 64

Candidate Starts for Benvolio_21:
(51, 14310), (56, 14325), (Start: 64 @14406 has 623 MA's), (82, 14436), (122, 14592),

Gene: Bethlehem_19 Start: 15003, Stop: 15398, Start Num: 64
Candidate Starts for Bethlehem_19:
(Start: 64 @15003 has 623 MA's), (Start: 67 @15009 has 2 MA's), (83, 15042), (Start: 88 @15060 has 2 MA's), (92, 15072), (122, 15201), (128, 15219),

Gene: Bexan_18 Start: 14711, Stop: 15106, Start Num: 64
Candidate Starts for Bexan_18:
(Start: 64 @14711 has 623 MA's), (Start: 67 @14717 has 2 MA's), (83, 14750), (Start: 88 @14768 has 2 MA's), (92, 14780), (122, 14909), (128, 14927),

Gene: BiancaTri92_23 Start: 16094, Stop: 16429, Start Num: 64
Candidate Starts for BiancaTri92_23:
(16, 15623), (51, 15998), (56, 16013), (Start: 64 @16094 has 623 MA's), (82, 16124), (98, 16178),

Gene: Big3_19 Start: 14357, Stop: 14752, Start Num: 64
Candidate Starts for Big3_19:
(Start: 64 @14357 has 623 MA's), (Start: 67 @14363 has 2 MA's), (83, 14396), (Start: 88 @14414 has 2 MA's), (92, 14426), (122, 14555), (128, 14573),

Gene: BigMau_21 Start: 13934, Stop: 14329, Start Num: 64
Candidate Starts for BigMau_21:
(Start: 64 @13934 has 623 MA's), (Start: 67 @13940 has 2 MA's), (83, 13973), (Start: 88 @13991 has 2 MA's), (92, 14003), (122, 14132), (128, 14150),

Gene: BigPaolini_20 Start: 14360, Stop: 14755, Start Num: 64
Candidate Starts for BigPaolini_20:
(Start: 64 @14360 has 623 MA's), (Start: 67 @14366 has 2 MA's), (83, 14399), (Start: 88 @14417 has 2 MA's), (92, 14429), (122, 14558), (128, 14576),

Gene: Bigchungi_19 Start: 13734, Stop: 14129, Start Num: 64
Candidate Starts for Bigchungi_19:
(Start: 64 @13734 has 623 MA's), (Start: 67 @13740 has 2 MA's), (83, 13773), (Start: 88 @13791 has 2 MA's), (92, 13803), (122, 13932), (128, 13950),

Gene: Bigflo_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Bigflo_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Bigfoot_18 Start: 13462, Stop: 13857, Start Num: 64
Candidate Starts for Bigfoot_18:
(Start: 64 @13462 has 623 MA's), (Start: 67 @13468 has 2 MA's), (83, 13501), (Start: 88 @13519 has 2 MA's), (92, 13531), (122, 13660), (128, 13678),

Gene: BillKnuckles_20 Start: 14426, Stop: 14821, Start Num: 64
Candidate Starts for BillKnuckles_20:
(Start: 64 @14426 has 623 MA's), (Start: 67 @14432 has 2 MA's), (83, 14465), (Start: 88 @14483 has 2 MA's), (92, 14495), (122, 14624), (128, 14642),

Gene: Bircsak_19 Start: 14220, Stop: 14615, Start Num: 64

Candidate Starts for Bircsak_19:
(54, 14124), (Start: 64 @14220 has 623 MA's), (Start: 67 @14226 has 2 MA's), (83, 14259), (Start: 88 @14277 has 2 MA's), (92, 14289), (122, 14418), (128, 14436),

Gene: Blackflame_19 Start: 13743, Stop: 14138, Start Num: 64
Candidate Starts for Blackflame_19:
(Start: 64 @13743 has 623 MA's), (Start: 67 @13749 has 2 MA's), (83, 13782), (Start: 88 @13800 has 2 MA's), (92, 13812), (122, 13941), (128, 13959),

Gene: Blackmoor_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Blackmoor_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: BlessJoy_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for BlessJoy_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: Blesser_19 Start: 14032, Stop: 14427, Start Num: 64
Candidate Starts for Blesser_19:
(Start: 64 @14032 has 623 MA's), (Start: 67 @14038 has 2 MA's), (83, 14071), (Start: 88 @14089 has 2 MA's), (92, 14101), (122, 14230), (128, 14248),

Gene: Blinn1_24 Start: 14450, Stop: 14803, Start Num: 64
Candidate Starts for Blinn1_24:
(35, 14117), (51, 14354), (56, 14369), (Start: 64 @14450 has 623 MA's), (102, 14558), (124, 14642),

Gene: BluSpix_19 Start: 13722, Stop: 14117, Start Num: 64
Candidate Starts for BluSpix_19:
(Start: 64 @13722 has 623 MA's), (Start: 67 @13728 has 2 MA's), (83, 13761), (Start: 88 @13779 has 2 MA's), (92, 13791), (122, 13920), (128, 13938),

Gene: Blue_19 Start: 13825, Stop: 14220, Start Num: 64
Candidate Starts for Blue_19:
(Start: 64 @13825 has 623 MA's), (Start: 67 @13831 has 2 MA's), (83, 13864), (Start: 88 @13882 has 2 MA's), (92, 13894), (122, 14023), (128, 14041),

Gene: Blue7_24 Start: 14385, Stop: 14738, Start Num: 64
Candidate Starts for Blue7_24:
(51, 14289), (56, 14304), (Start: 64 @14385 has 623 MA's), (102, 14493), (124, 14577),

Gene: BlueBird_21 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for BlueBird_21:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: Bluefalcon_16 Start: 12748, Stop: 13161, Start Num: 64
Candidate Starts for Bluefalcon_16:
(22, 12292), (54, 12652), (Start: 64 @12748 has 623 MA's), (86, 12802), (128, 12982),

Gene: Bob3_18 Start: 13274, Stop: 13669, Start Num: 64
Candidate Starts for Bob3_18:

(Start: 64 @13274 has 623 MA's), (Start: 67 @13280 has 2 MA's), (83, 13313), (Start: 88 @13331 has 2 MA's), (92, 13343), (122, 13472), (128, 13490),

Gene: BobSwaget_24 Start: 15969, Stop: 16304, Start Num: 64
Candidate Starts for BobSwaget_24:
(51, 15873), (56, 15888), (Start: 64 @15969 has 623 MA's),

Gene: BobbyDazzler_16 Start: 9688, Stop: 9999, Start Num: 64
Candidate Starts for BobbyDazzler_16:
(Start: 64 @9688 has 623 MA's), (79, 9694), (96, 9748), (110, 9811), (126, 9871), (129, 9880),

Gene: BogosyJay_22 Start: 14830, Stop: 15219, Start Num: 64
Candidate Starts for BogosyJay_22:
(Start: 64 @14830 has 623 MA's), (130, 15061),

Gene: Bombshell_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Bombshell_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Bonamassa_17 Start: 12673, Stop: 13086, Start Num: 64
Candidate Starts for Bonamassa_17:
(28, 12265), (54, 12577), (Start: 64 @12673 has 623 MA's), (86, 12727), (95, 12757), (128, 12907),

Gene: Bonanza_16 Start: 9617, Stop: 9928, Start Num: 64
Candidate Starts for Bonanza_16:
(Start: 64 @9617 has 623 MA's), (79, 9623), (96, 9677), (110, 9740), (126, 9800), (129, 9809),

Gene: Bones_19 Start: 13463, Stop: 13858, Start Num: 64
Candidate Starts for Bones_19:
(Start: 64 @13463 has 623 MA's), (Start: 67 @13469 has 2 MA's), (83, 13502), (Start: 88 @13520 has 2 MA's), (92, 13532), (122, 13661), (128, 13679),

Gene: Boohoo_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for Boohoo_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Bovely_13 Start: 9185, Stop: 9583, Start Num: 72
Candidate Starts for Bovely_13:
(3, 8606), (9, 8642), (56, 9071), (Start: 59 @9086 has 1 MA's), (61, 9101), (Start: 72 @9185 has 58 MA's), (100, 9290), (113, 9362), (122, 9389), (123, 9392), (144, 9509), (155, 9569),

Gene: Bowden_14 Start: 9046, Stop: 9501, Start Num: 73
Candidate Starts for Bowden_14:
(8, 8470), (41, 8689), (56, 8929), (Start: 73 @9046 has 46 MA's), (Start: 88 @9115 has 2 MA's), (113, 9211), (122, 9238), (143, 9370),

Gene: Bowtie_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Bowtie_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Bradman_20 Start: 13229, Stop: 13564, Start Num: 64

Candidate Starts for Bradman_20:
(51, 13133), (56, 13148), (Start: 64 @13229 has 623 MA's),

Gene: Bradshaw_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Bradshaw_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Brataylor_14 Start: 9148, Stop: 9546, Start Num: 72
Candidate Starts for Brataylor_14:
(3, 8569), (7, 8593), (21, 8686), (56, 9034), (Start: 59 @9049 has 1 MA's), (61, 9064), (Start: 72 @9148 has 58 MA's), (113, 9322), (123, 9352), (144, 9472), (155, 9532),

Gene: BreSam8_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for BreSam8_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Briton15_21 Start: 14023, Stop: 14418, Start Num: 64
Candidate Starts for Briton15_21:
(Start: 64 @14023 has 623 MA's), (Start: 67 @14029 has 2 MA's), (83, 14062), (Start: 88 @14080 has 2 MA's), (92, 14092), (122, 14221), (128, 14239),

Gene: BroPlease_14 Start: 9249, Stop: 9743, Start Num: 70
Candidate Starts for BroPlease_14:
(1, 8541), (2, 8565), (41, 8898), (48, 9033), (56, 9138), (61, 9168), (Start: 70 @9249 has 5 MA's), (93, 9357), (134, 9552), (157, 9684), (158, 9696),

Gene: Broseidon_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Broseidon_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Bruiser_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Bruiser_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Bruns_18 Start: 13652, Stop: 14041, Start Num: 67
Candidate Starts for Bruns_18:
(Start: 64 @13646 has 623 MA's), (Start: 67 @13652 has 2 MA's), (83, 13685), (Start: 88 @13703 has 2 MA's), (92, 13715), (122, 13844), (128, 13862),

Gene: BryanRecycles_14 Start: 9342, Stop: 9740, Start Num: 72
Candidate Starts for BryanRecycles_14:
(3, 8763), (9, 8799), (56, 9228), (Start: 59 @9243 has 1 MA's), (61, 9258), (Start: 72 @9342 has 58 MA's), (Start: 88 @9408 has 2 MA's), (100, 9447), (113, 9519), (122, 9546), (123, 9549), (144, 9666), (155, 9726),

Gene: Bryce_16 Start: 9617, Stop: 9928, Start Num: 64
Candidate Starts for Bryce_16:
(Start: 64 @9617 has 623 MA's), (79, 9623), (96, 9677), (110, 9740), (126, 9800), (129, 9809),

Gene: BubbleTrouble_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for BubbleTrouble_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Buckaroo_19 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for Buckaroo_19:
(Start: 65 @13573 has 263 MA's), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (152, 13930), (153, 13942), (156, 13957),

Gene: Bud_21 Start: 14843, Stop: 15193, Start Num: 64
Candidate Starts for Bud_21:
(Start: 64 @14843 has 623 MA's), (98, 14927), (122, 15029), (130, 15065),

Gene: Bugatti_21 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for Bugatti_21:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: Bugsy_23 Start: 14771, Stop: 15106, Start Num: 64
Candidate Starts for Bugsy_23:
(12, 14261), (51, 14675), (56, 14690), (Start: 64 @14771 has 623 MA's), (82, 14801),

Gene: Bumblebee11_20 Start: 13577, Stop: 13969, Start Num: 65
Candidate Starts for Bumblebee11_20:
(Start: 65 @13577 has 263 MA's), (83, 13616), (128, 13793), (153, 13946), (156, 13961),

Gene: Burger_19 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Burger_19:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Burton_20 Start: 13844, Stop: 14239, Start Num: 64
Candidate Starts for Burton_20:
(Start: 64 @13844 has 623 MA's), (Start: 67 @13850 has 2 MA's), (83, 13883), (Start: 88 @13901 has 2 MA's), (92, 13913), (122, 14042), (128, 14060),

Gene: Buttons_20 Start: 14208, Stop: 14603, Start Num: 64
Candidate Starts for Buttons_20:
(Start: 64 @14208 has 623 MA's), (Start: 67 @14214 has 2 MA's), (83, 14247), (Start: 88 @14265 has 2 MA's), (92, 14277), (122, 14406), (128, 14424),

Gene: BuzzBuzz_21 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for BuzzBuzz_21:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: Bxb1_17 Start: 13795, Stop: 14190, Start Num: 64
Candidate Starts for Bxb1_17:
(Start: 64 @13795 has 623 MA's), (Start: 67 @13801 has 2 MA's), (83, 13834), (Start: 88 @13852 has 2 MA's), (92, 13864), (122, 13993), (128, 14011),

Gene: Bxz2_21 Start: 13759, Stop: 14118, Start Num: 65

Candidate Starts for Bxz2_21:
(Start: 65 @13759 has 263 MA's), (Start: 80 @13786 has 1 MA's), (115, 13936), (130, 13993), (134, 14026), (139, 14044),

Gene: C3_19 Start: 14296, Stop: 14631, Start Num: 64
Candidate Starts for C3_19:
(51, 14200), (56, 14215), (Start: 64 @14296 has 623 MA's), (122, 14482),

Gene: CRB1_21 Start: 14291, Stop: 14626, Start Num: 64
Candidate Starts for CRB1_21:
(51, 14195), (56, 14210), (Start: 64 @14291 has 623 MA's), (82, 14321), (98, 14375),

Gene: CactusRose_18 Start: 13461, Stop: 13856, Start Num: 64
Candidate Starts for CactusRose_18:
(Start: 64 @13461 has 623 MA's), (Start: 67 @13467 has 2 MA's), (83, 13500), (Start: 88 @13518 has 2 MA's), (92, 13530), (122, 13659), (128, 13677),

Gene: Caelakin_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Caelakin_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Caelum_14 Start: 8901, Stop: 9377, Start Num: 73
Candidate Starts for Caelum_14:
(Start: 73 @8901 has 46 MA's), (Start: 80 @8937 has 1 MA's), (100, 9006), (137, 9186), (144, 9231),

Gene: Caitlin_17 Start: 12250, Stop: 12618, Start Num: 64
Candidate Starts for Caitlin_17:
(42, 11962), (49, 12142), (55, 12169), (Start: 64 @12250 has 623 MA's), (90, 12292), (107, 12370), (110, 12376),

Gene: Caliburn_13 Start: 9159, Stop: 9557, Start Num: 72
Candidate Starts for Caliburn_13:
(Start: 72 @9159 has 58 MA's), (100, 9264), (113, 9336), (122, 9363), (123, 9366), (144, 9483), (155, 9543),

Gene: Calvinny_22 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Calvinny_22:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Camperdownii_19 Start: 13188, Stop: 13580, Start Num: 65
Candidate Starts for Camperdownii_19:
(Start: 65 @13188 has 263 MA's), (68, 13197), (124, 13392), (125, 13395), (126, 13398), (128, 13404), (130, 13422), (151, 13542), (153, 13557), (156, 13572),

Gene: Candra_24 Start: 14451, Stop: 14804, Start Num: 64
Candidate Starts for Candra_24:
(Start: 64 @14451 has 623 MA's), (102, 14559), (124, 14643),

Gene: Caraxes_20 Start: 12955, Stop: 13290, Start Num: 64
Candidate Starts for Caraxes_20:

(51, 12859), (56, 12874), (Start: 64 @12955 has 623 MA's), (92, 13018), (98, 13039), (122, 13141), (130, 13177), (134, 13210), (151, 13285),

Gene: Carlyle_21 Start: 14590, Stop: 14985, Start Num: 64
Candidate Starts for Carlyle_21:
(Start: 64 @14590 has 623 MA's), (Start: 67 @14596 has 2 MA's), (83, 14629), (Start: 88 @14647 has 2 MA's), (92, 14659), (122, 14788), (128, 14806),

Gene: CartmannCramer_19 Start: 15558, Stop: 15953, Start Num: 64
Candidate Starts for CartmannCramer_19:
(Start: 64 @15558 has 623 MA's), (Start: 67 @15564 has 2 MA's), (83, 15597), (Start: 88 @15615 has 2 MA's), (92, 15627), (122, 15756), (128, 15774),

Gene: CatBus_20 Start: 14750, Stop: 15145, Start Num: 64
Candidate Starts for CatBus_20:
(Start: 64 @14750 has 623 MA's), (Start: 67 @14756 has 2 MA's), (83, 14789), (Start: 88 @14807 has 2 MA's), (92, 14819), (122, 14948), (128, 14966),

Gene: Cat_18 Start: 13072, Stop: 13413, Start Num: 65
Candidate Starts for Cat_18:
(Start: 65 @13072 has 263 MA's), (Start: 88 @13129 has 2 MA's), (102, 13186), (115, 13249), (122, 13270), (130, 13306), (134, 13339), (149, 13405),

Gene: Catalina_22 Start: 15077, Stop: 15466, Start Num: 64
Candidate Starts for Catalina_22:
(Start: 64 @15077 has 623 MA's), (130, 15308), (151, 15428),

Gene: Caviar_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Caviar_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Celery_16 Start: 9208, Stop: 9591, Start Num: 73
Candidate Starts for Celery_16:
(Start: 73 @9208 has 46 MA's), (100, 9313), (140, 9493), (142, 9502), (155, 9577),

Gene: Celeste_13 Start: 9146, Stop: 9544, Start Num: 72
Candidate Starts for Celeste_13:
(3, 8567), (7, 8591), (21, 8684), (56, 9032), (Start: 59 @9047 has 1 MA's), (61, 9062), (Start: 72 @9146 has 58 MA's), (113, 9320), (123, 9350), (144, 9470), (155, 9530),

Gene: Celestialunch_20 Start: 13246, Stop: 13581, Start Num: 64
Candidate Starts for Celestialunch_20:
(51, 13150), (56, 13165), (Start: 64 @13246 has 623 MA's), (122, 13432), (124, 13438), (127, 13447), (130, 13468),

Gene: Celia_13 Start: 9481, Stop: 9861, Start Num: 72
Candidate Starts for Celia_13:
(Start: 72 @9481 has 58 MA's), (84, 9535), (Start: 88 @9547 has 2 MA's), (144, 9790), (155, 9850),

Gene: Centaur_23 Start: 14797, Stop: 15132, Start Num: 64
Candidate Starts for Centaur_23:
(51, 14701), (56, 14716), (Start: 64 @14797 has 623 MA's), (127, 14998), (130, 15019), (150, 15121),

Gene: CentreCat_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for CentreCat_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: Cerulean_21 Start: 13882, Stop: 14274, Start Num: 65
Candidate Starts for Cerulean_21:
(Start: 65 @13882 has 263 MA's), (68, 13891), (124, 14086), (125, 14089), (126, 14092), (128, 14098), (130, 14116), (151, 14236), (153, 14251), (156, 14266),

Gene: Chadwick_18 Start: 12481, Stop: 12894, Start Num: 64
Candidate Starts for Chadwick_18:
(54, 12385), (56, 12400), (Start: 64 @12481 has 623 MA's), (86, 12535), (125, 12706), (126, 12709), (128, 12715),

Gene: ChampagnePapi_21 Start: 13881, Stop: 14273, Start Num: 65
Candidate Starts for ChampagnePapi_21:
(Start: 65 @13881 has 263 MA's), (68, 13890), (124, 14085), (125, 14088), (126, 14091), (128, 14097), (130, 14115), (151, 14235), (153, 14250), (156, 14265),

Gene: Chanagan_18 Start: 13300, Stop: 13695, Start Num: 64
Candidate Starts for Chanagan_18:
(Start: 64 @13300 has 623 MA's), (Start: 67 @13306 has 2 MA's), (83, 13339), (Start: 88 @13357 has 2 MA's), (92, 13369), (122, 13498), (128, 13516),

Gene: Changeling_24 Start: 16162, Stop: 16497, Start Num: 64
Candidate Starts for Changeling_24:
(13, 15667), (23, 15727), (35, 15829), (51, 16066), (56, 16081), (Start: 64 @16162 has 623 MA's), (82, 16192), (122, 16348),

Gene: Chaph_20 Start: 13578, Stop: 13970, Start Num: 65
Candidate Starts for Chaph_20:
(Start: 65 @13578 has 263 MA's), (124, 13782), (125, 13785), (126, 13788), (128, 13794), (130, 13812), (151, 13932), (152, 13935), (153, 13947), (156, 13962),

Gene: Chargerpower_21 Start: 13539, Stop: 13880, Start Num: 64
Candidate Starts for Chargerpower_21:
(51, 13443), (56, 13458), (Start: 64 @13539 has 623 MA's), (86, 13584), (122, 13725), (130, 13767),

Gene: Charm_21 Start: 13258, Stop: 13593, Start Num: 64
Candidate Starts for Charm_21:
(Start: 64 @13258 has 623 MA's), (122, 13444), (124, 13450), (127, 13459), (130, 13480),

Gene: Chartreuse_24 Start: 14364, Stop: 14717, Start Num: 64
Candidate Starts for Chartreuse_24:
(Start: 64 @14364 has 623 MA's), (102, 14472), (124, 14556),

Gene: Che12_23 Start: 13221, Stop: 13556, Start Num: 64
Candidate Starts for Che12_23:
(51, 13125), (56, 13140), (Start: 64 @13221 has 623 MA's), (92, 13284), (98, 13305), (122, 13407), (130, 13443), (134, 13476), (151, 13551),

Gene: ChipMunk_23 Start: 14704, Stop: 15039, Start Num: 64
Candidate Starts for ChipMunk_23:
(51, 14608), (56, 14623), (Start: 64 @14704 has 623 MA's), (82, 14734), (122, 14890),

Gene: Chiqui_19 Start: 13447, Stop: 13788, Start Num: 64
Candidate Starts for Chiqui_19:
(54, 13351), (56, 13366), (Start: 64 @13447 has 623 MA's), (102, 13561), (115, 13624), (122, 13645), (130, 13681), (134, 13714), (149, 13780),

Gene: ChristmasHams_19 Start: 13768, Stop: 14163, Start Num: 64
Candidate Starts for ChristmasHams_19:
(54, 13672), (Start: 64 @13768 has 623 MA's), (Start: 67 @13774 has 2 MA's), (83, 13807), (Start: 88 @13825 has 2 MA's), (92, 13837), (122, 13966),

Gene: Chucky_13 Start: 9146, Stop: 9541, Start Num: 72
Candidate Starts for Chucky_13:
(3, 8567), (7, 8591), (56, 9032), (61, 9062), (Start: 72 @9146 has 58 MA's), (Start: 88 @9212 has 2 MA's), (113, 9320), (123, 9350), (144, 9470), (155, 9527),

Gene: Chupacabra_20 Start: 13348, Stop: 13740, Start Num: 65
Candidate Starts for Chupacabra_20:
(Start: 65 @13348 has 263 MA's), (78, 13372), (Start: 88 @13405 has 2 MA's), (119, 13537), (128, 13564), (153, 13717), (156, 13732),

Gene: Ciao_19 Start: 13687, Stop: 14082, Start Num: 64
Candidate Starts for Ciao_19:
(Start: 64 @13687 has 623 MA's), (Start: 67 @13693 has 2 MA's), (83, 13726), (Start: 88 @13744 has 2 MA's), (92, 13756), (122, 13885), (128, 13903),

Gene: Cici_20 Start: 13568, Stop: 13960, Start Num: 65
Candidate Starts for Cici_20:
(Start: 65 @13568 has 263 MA's), (128, 13784), (151, 13922), (153, 13937), (156, 13952),

Gene: Cindaradix_19 Start: 13302, Stop: 13694, Start Num: 65
Candidate Starts for Cindaradix_19:
(Start: 65 @13302 has 263 MA's), (68, 13311), (128, 13518), (130, 13536), (151, 13656), (153, 13671), (156, 13686),

Gene: Cintron_20 Start: 13617, Stop: 14009, Start Num: 65
Candidate Starts for Cintron_20:
(Start: 65 @13617 has 263 MA's), (124, 13821), (125, 13824), (126, 13827), (128, 13833), (130, 13851), (151, 13971), (152, 13974), (153, 13986), (156, 14001),

Gene: Citius_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Citius_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Clammy_21 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for Clammy_21:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: Clarenza_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Clarenza_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: CloudWang3_24 Start: 14395, Stop: 14748, Start Num: 64
Candidate Starts for CloudWang3_24:
(Start: 64 @14395 has 623 MA's), (102, 14503), (124, 14587),

Gene: ClownCar_22 Start: 13731, Stop: 14090, Start Num: 65
Candidate Starts for ClownCar_22:
(Start: 65 @13731 has 263 MA's), (Start: 80 @13758 has 1 MA's), (115, 13908), (130, 13965), (134, 13998), (139, 14016),

Gene: Cocoaberry_20 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for Cocoaberry_20:
(Start: 65 @13573 has 263 MA's), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (152, 13930), (153, 13942), (156, 13957),

Gene: CogOmlette_19 Start: 13146, Stop: 13535, Start Num: 64
Candidate Starts for CogOmlette_19:
(Start: 64 @13146 has 623 MA's), (115, 13317), (130, 13377),

Gene: Colbster_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for Colbster_22:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Colin_24 Start: 16001, Stop: 16336, Start Num: 64
Candidate Starts for Colin_24:
(35, 15668), (51, 15905), (56, 15920), (Start: 64 @16001 has 623 MA's), (82, 16031), (98, 16085), (122, 16187),

Gene: Commander_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Commander_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Conan_14 Start: 8960, Stop: 9343, Start Num: 73
Candidate Starts for Conan_14:
(61, 8873), (Start: 70 @8954 has 5 MA's), (Start: 73 @8960 has 46 MA's), (100, 9065), (122, 9149), (140, 9245), (142, 9254), (155, 9329),

Gene: ConceptII_20 Start: 14182, Stop: 14577, Start Num: 64
Candidate Starts for ConceptII_20:
(Start: 64 @14182 has 623 MA's), (Start: 67 @14188 has 2 MA's), (83, 14221), (Start: 88 @14239 has 2 MA's), (92, 14251), (122, 14380), (128, 14398),

Gene: Connomayer_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Connomayer_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Conquerage_22 Start: 15106, Stop: 15495, Start Num: 64
Candidate Starts for Conquerage_22:
(Start: 64 @15106 has 623 MA's), (130, 15337), (151, 15457),

Gene: Conspiracy_17 Start: 12497, Stop: 12910, Start Num: 64
Candidate Starts for Conspiracy_17:
(28, 12089), (54, 12401), (Start: 64 @12497 has 623 MA's), (86, 12551), (95, 12581), (128, 12731),

Gene: Coog_17 Start: 12641, Stop: 13054, Start Num: 64
Candidate Starts for Coog_17:
(28, 12233), (54, 12545), (Start: 64 @12641 has 623 MA's), (86, 12695), (95, 12725), (128, 12875),

Gene: Cookiedough_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for Cookiedough_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Corvo_19 Start: 14179, Stop: 14574, Start Num: 64
Candidate Starts for Corvo_19:
(Start: 64 @14179 has 623 MA's), (Start: 67 @14185 has 2 MA's), (83, 14218), (Start: 88 @14236 has 2 MA's), (92, 14248), (122, 14377), (128, 14395),

Gene: CosmicSans_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for CosmicSans_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Crispicous1_18 Start: 13171, Stop: 13566, Start Num: 64
Candidate Starts for Crispicous1_18:
(Start: 64 @13171 has 623 MA's), (Start: 67 @13177 has 2 MA's), (83, 13210), (Start: 88 @13228 has 2 MA's), (92, 13240), (122, 13369), (128, 13387),

Gene: Croquant_23 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Croquant_23:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Crucio_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for Crucio_21:
(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: Cuco_17 Start: 12672, Stop: 13085, Start Num: 64
Candidate Starts for Cuco_17:
(28, 12264), (54, 12576), (Start: 64 @12672 has 623 MA's), (86, 12726), (95, 12756), (128, 12906),

Gene: Cueylyss_19 Start: 13872, Stop: 14267, Start Num: 64
Candidate Starts for Cueylyss_19:
(Start: 64 @13872 has 623 MA's), (Start: 67 @13878 has 2 MA's), (83, 13911), (Start: 88 @13929 has 2 MA's), (92, 13941), (122, 14070), (128, 14088),

Gene: Cullens_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Cullens_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: D29_21 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for D29_21:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: D32_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for D32_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: DBQu4n_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for DBQu4n_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: DD5_20 Start: 14421, Stop: 14816, Start Num: 64
Candidate Starts for DD5_20:
(Start: 64 @14421 has 623 MA's), (Start: 67 @14427 has 2 MA's), (83, 14460), (Start: 88 @14478 has 2 MA's), (92, 14490), (122, 14619), (128, 14637),

Gene: DaHudson_22 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for DaHudson_22:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: DaVinci_24 Start: 14418, Stop: 14771, Start Num: 64
Candidate Starts for DaVinci_24:
(Start: 64 @14418 has 623 MA's), (102, 14526), (124, 14610),

Gene: Daishi_21 Start: 12590, Stop: 12949, Start Num: 65
Candidate Starts for Daishi_21:
(Start: 65 @12590 has 263 MA's), (Start: 80 @12617 has 1 MA's), (115, 12767), (130, 12824), (134, 12857), (139, 12875),

Gene: Dalmatian_21 Start: 14401, Stop: 14736, Start Num: 64
Candidate Starts for Dalmatian_21:
(51, 14305), (56, 14320), (Start: 64 @14401 has 623 MA's), (82, 14431), (94, 14473), (122, 14587), (130, 14623),

Gene: Danforth_16 Start: 12232, Stop: 12600, Start Num: 64
Candidate Starts for Danforth_16:
(42, 11944), (49, 12124), (55, 12151), (Start: 64 @12232 has 623 MA's), (90, 12274), (107, 12352), (110, 12358),

Gene: Danzina_14 Start: 9350, Stop: 9748, Start Num: 72
Candidate Starts for Danzina_14:
(3, 8771), (7, 8795), (56, 9236), (Start: 59 @9251 has 1 MA's), (61, 9266), (Start: 72 @9350 has 58 MA's), (87, 9413), (113, 9524), (123, 9554), (144, 9674), (155, 9734),

Gene: Darrell_23 Start: 15268, Stop: 15657, Start Num: 64
Candidate Starts for Darrell_23:
(Start: 64 @15268 has 623 MA's), (115, 15439), (130, 15499), (151, 15619),

Gene: DarthPhader_22 Start: 15252, Stop: 15638, Start Num: 64
Candidate Starts for DarthPhader_22:

(8, 14697), (54, 15156), (56, 15171), (Start: 64 @15252 has 623 MA's), (115, 15423), (130, 15480), (151, 15600),

Gene: Dattran_14 Start: 9145, Stop: 9543, Start Num: 72
Candidate Starts for Dattran_14:
(3, 8566), (7, 8590), (21, 8683), (56, 9031), (Start: 59 @9046 has 1 MA's), (61, 9061), (Start: 72 @9145 has 58 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9529),

Gene: Datway_20 Start: 13586, Stop: 13978, Start Num: 65
Candidate Starts for Datway_20:
(Start: 65 @13586 has 263 MA's), (68, 13595), (128, 13802), (130, 13820), (151, 13940), (153, 13955), (156, 13970),

Gene: Daudau_13 Start: 9036, Stop: 9488, Start Num: 73
Candidate Starts for Daudau_13:
(41, 8679), (48, 8814), (56, 8919), (Start: 73 @9036 has 46 MA's), (Start: 80 @9072 has 1 MA's), (Start: 88 @9102 has 2 MA's), (113, 9198), (122, 9225), (123, 9228), (134, 9312), (144, 9366),

Gene: Deano_20 Start: 13577, Stop: 13969, Start Num: 65
Candidate Starts for Deano_20:
(Start: 65 @13577 has 263 MA's), (124, 13781), (125, 13784), (126, 13787), (128, 13793), (130, 13811), (151, 13931), (152, 13934), (153, 13946), (156, 13961),

Gene: DeerParkTS_22 Start: 14383, Stop: 14718, Start Num: 64
Candidate Starts for DeerParkTS_22:
(56, 14302), (Start: 64 @14383 has 623 MA's), (98, 14467), (130, 14605),

Gene: DekHockey33_23 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for DekHockey33_23:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: Deloris_22 Start: 14732, Stop: 15067, Start Num: 64
Candidate Starts for Deloris_22:
(51, 14636), (56, 14651), (Start: 64 @14732 has 623 MA's), (82, 14762), (98, 14816), (102, 14840), (130, 14954),

Gene: DelvinSonDorr_23 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for DelvinSonDorr_23:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Dexers_12 Start: 8953, Stop: 9339, Start Num: 73
Candidate Starts for Dexers_12:
(61, 8866), (Start: 70 @8947 has 5 MA's), (Start: 73 @8953 has 46 MA's), (100, 9058), (144, 9265), (155, 9325),

Gene: Dexes_20 Start: 14387, Stop: 14782, Start Num: 64
Candidate Starts for Dexes_20:
(Start: 64 @14387 has 623 MA's), (Start: 67 @14393 has 2 MA's), (83, 14426), (Start: 88 @14444 has 2 MA's), (92, 14456), (122, 14585), (128, 14603),

Gene: Dhanush_20 Start: 13572, Stop: 13964, Start Num: 65
Candidate Starts for Dhanush_20:

(Start: 65 @13572 has 263 MA's), (124, 13776), (125, 13779), (126, 13782), (128, 13788), (130, 13806), (151, 13926), (152, 13929), (153, 13941), (156, 13956),

Gene: Diane_13 Start: 8944, Stop: 9405, Start Num: 73
Candidate Starts for Diane_13:
(56, 8827), (61, 8857), (Start: 73 @8944 has 46 MA's), (Start: 80 @8980 has 1 MA's), (Start: 88 @9010 has 2 MA's), (136, 9226), (140, 9250), (144, 9274),

Gene: Dieselweasel_22 Start: 13666, Stop: 14025, Start Num: 65
Candidate Starts for Dieselweasel_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: Dignity_23 Start: 14716, Stop: 15051, Start Num: 64
Candidate Starts for Dignity_23:
(12, 14206), (51, 14620), (56, 14635), (Start: 64 @14716 has 623 MA's), (82, 14746),

Gene: Dinger_16 Start: 9613, Stop: 9924, Start Num: 64
Candidate Starts for Dinger_16:
(Start: 64 @9613 has 623 MA's), (79, 9619), (96, 9673), (110, 9736), (126, 9796), (129, 9805),

Gene: DirtDevil_20 Start: 14558, Stop: 14953, Start Num: 64
Candidate Starts for DirtDevil_20:
(Start: 64 @14558 has 623 MA's), (Start: 67 @14564 has 2 MA's), (83, 14597), (Start: 88 @14615 has 2 MA's), (92, 14627), (122, 14756), (128, 14774),

Gene: DirtyDunning_20 Start: 13565, Stop: 13957, Start Num: 65
Candidate Starts for DirtyDunning_20:
(Start: 65 @13565 has 263 MA's), (68, 13574), (124, 13769), (125, 13772), (126, 13775), (128, 13781), (130, 13799), (151, 13919), (153, 13934), (156, 13949),

Gene: Discoknowium_17 Start: 12787, Stop: 13200, Start Num: 64
Candidate Starts for Discoknowium_17:
(28, 12379), (54, 12691), (Start: 64 @12787 has 623 MA's), (86, 12841), (95, 12871), (128, 13021),

Gene: Dixon_17 Start: 12251, Stop: 12619, Start Num: 64
Candidate Starts for Dixon_17:
(49, 12143), (55, 12170), (Start: 64 @12251 has 623 MA's), (91, 12296), (107, 12371), (110, 12377),

Gene: DontArgue_19 Start: 11606, Stop: 11998, Start Num: 65
Candidate Starts for DontArgue_19:
(Start: 65 @11606 has 263 MA's), (83, 11645), (Start: 88 @11663 has 2 MA's), (128, 11822), (141, 11900), (153, 11975), (156, 11990),

Gene: Doom_20 Start: 14445, Stop: 14840, Start Num: 64
Candidate Starts for Doom_20:
(Start: 64 @14445 has 623 MA's), (Start: 67 @14451 has 2 MA's), (83, 14484), (Start: 88 @14502 has 2 MA's), (92, 14514), (122, 14643), (128, 14661),

Gene: Dorothea_24 Start: 14419, Stop: 14772, Start Num: 64
Candidate Starts for Dorothea_24:
(Start: 64 @14419 has 623 MA's), (102, 14527), (124, 14611),

Gene: DrFeelGood_18 Start: 13797, Stop: 14192, Start Num: 64
Candidate Starts for DrFeelGood_18:
(Start: 64 @13797 has 623 MA's), (Start: 67 @13803 has 2 MA's), (83, 13836), (Start: 88 @13854 has 2 MA's), (92, 13866), (122, 13995), (128, 14013),

Gene: Drake55_23 Start: 14815, Stop: 15150, Start Num: 64
Candidate Starts for Drake55_23:
(51, 14719), (56, 14734), (Start: 64 @14815 has 623 MA's), (102, 14923), (127, 15016), (130, 15037), (150, 15139),

Gene: Drake94_19 Start: 11439, Stop: 11831, Start Num: 65
Candidate Starts for Drake94_19:
(Start: 65 @11439 has 263 MA's), (Start: 88 @11496 has 2 MA's), (128, 11655), (153, 11808), (156, 11823),

Gene: DreamCatcher_22 Start: 15154, Stop: 15549, Start Num: 64
Candidate Starts for DreamCatcher_22:
(Start: 64 @15154 has 623 MA's), (Start: 67 @15160 has 2 MA's), (83, 15193), (Start: 88 @15211 has 2 MA's), (92, 15223), (122, 15352), (128, 15370),

Gene: DreamTeam1_21 Start: 13258, Stop: 13593, Start Num: 64
Candidate Starts for DreamTeam1_21:
(Start: 64 @13258 has 623 MA's), (122, 13444), (124, 13450), (127, 13459), (130, 13480),

Gene: Dreamboat_20 Start: 13621, Stop: 14016, Start Num: 64
Candidate Starts for Dreamboat_20:
(Start: 64 @13621 has 623 MA's), (Start: 67 @13627 has 2 MA's), (83, 13660), (Start: 88 @13678 has 2 MA's), (92, 13690), (122, 13819), (128, 13837),

Gene: DroogsArmy_21 Start: 14957, Stop: 15301, Start Num: 66
Candidate Starts for DroogsArmy_21:
(Start: 66 @14957 has 5 MA's), (Start: 80 @14990 has 1 MA's), (85, 15011), (Start: 88 @15020 has 2 MA's), (148, 15293),

Gene: DropBear_20 Start: 13267, Stop: 13608, Start Num: 64
Candidate Starts for DropBear_20:
(54, 13171), (56, 13186), (Start: 64 @13267 has 623 MA's), (Start: 88 @13324 has 2 MA's), (102, 13381), (115, 13444), (122, 13465), (130, 13501), (134, 13534), (149, 13600),

Gene: Druantia_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Druantia_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: Dublin_16 Start: 12640, Stop: 13053, Start Num: 64
Candidate Starts for Dublin_16:
(54, 12544), (Start: 64 @12640 has 623 MA's), (86, 12694), (95, 12724), (128, 12874),

Gene: DudeLittle_21 Start: 14403, Stop: 14738, Start Num: 64
Candidate Starts for DudeLittle_21:
(51, 14307), (56, 14322), (Start: 64 @14403 has 623 MA's), (82, 14433), (94, 14475), (122, 14589), (130, 14625),

Gene: Dulcie_18 Start: 13363, Stop: 13758, Start Num: 64
Candidate Starts for Dulcie_18:
(Start: 64 @13363 has 623 MA's), (Start: 67 @13369 has 2 MA's), (83, 13402), (Start: 88 @13420 has 2 MA's), (92, 13432), (122, 13561), (128, 13579),

Gene: Duplo_24 Start: 14246, Stop: 14581, Start Num: 64
Candidate Starts for Duplo_24:
(51, 14150), (56, 14165), (Start: 64 @14246 has 623 MA's), (122, 14432),

Gene: Dussy_20 Start: 14017, Stop: 14412, Start Num: 64
Candidate Starts for Dussy_20:
(Start: 64 @14017 has 623 MA's), (Start: 67 @14023 has 2 MA's), (83, 14056), (Start: 88 @14074 has 2 MA's), (92, 14086), (122, 14215), (128, 14233),

Gene: DustyMartin_23 Start: 13418, Stop: 13810, Start Num: 65
Candidate Starts for DustyMartin_23:
(Start: 65 @13418 has 263 MA's), (Start: 88 @13475 has 2 MA's), (119, 13607), (128, 13634), (148, 13760), (153, 13787), (156, 13802),

Gene: Dwayne_13 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for Dwayne_13:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: Dynamix_20 Start: 13773, Stop: 14168, Start Num: 64
Candidate Starts for Dynamix_20:
(Start: 64 @13773 has 623 MA's), (Start: 67 @13779 has 2 MA's), (83, 13812), (Start: 88 @13830 has 2 MA's), (92, 13842), (122, 13971), (128, 13989),

Gene: ELB20_12 Start: 9049, Stop: 9516, Start Num: 73
Candidate Starts for ELB20_12:
(30, 8629), (40, 8689), (61, 8962), (Start: 73 @9049 has 46 MA's), (Start: 80 @9085 has 1 MA's), (113, 9211), (122, 9238), (144, 9394), (154, 9451),

Gene: EZMoney23_25 Start: 16290, Stop: 16625, Start Num: 64
Candidate Starts for EZMoney23_25:
(51, 16194), (56, 16209), (Start: 64 @16290 has 623 MA's), (82, 16320), (98, 16374), (122, 16476),

Gene: Eagle_19 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Eagle_19:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: EagleEye_23 Start: 14531, Stop: 14869, Start Num: 64
Candidate Starts for EagleEye_23:
(Start: 64 @14531 has 623 MA's), (122, 14717), (127, 14732), (130, 14753),

Gene: Eaglepride_21 Start: 13358, Stop: 13750, Start Num: 65
Candidate Starts for Eaglepride_21:
(Start: 65 @13358 has 263 MA's), (78, 13382), (Start: 88 @13415 has 2 MA's), (128, 13574), (148, 13700), (153, 13727), (156, 13742),

Gene: Eapen_20 Start: 13568, Stop: 13960, Start Num: 65

Candidate Starts for Eapen_20:
(Start: 65 @13568 has 263 MA's), (124, 13772), (125, 13775), (126, 13778), (128, 13784), (130, 13802), (151, 13922), (152, 13925), (153, 13937), (156, 13952),

Gene: Ebony_21 Start: 14886, Stop: 15236, Start Num: 64
Candidate Starts for Ebony_21:
(Start: 64 @14886 has 623 MA's), (98, 14970), (122, 15072), (130, 15108),

Gene: Echild_21 Start: 14406, Stop: 14741, Start Num: 64
Candidate Starts for Echild_21:
(51, 14310), (56, 14325), (Start: 64 @14406 has 623 MA's), (82, 14436), (122, 14592),

Gene: Eddasa_14 Start: 9342, Stop: 9740, Start Num: 72
Candidate Starts for Eddasa_14:
(3, 8763), (9, 8799), (56, 9228), (Start: 59 @9243 has 1 MA's), (61, 9258), (Start: 72 @9342 has 58 MA's), (Start: 88 @9408 has 2 MA's), (100, 9447), (113, 9519), (122, 9546), (123, 9549), (144, 9666), (155, 9726),

Gene: Edison31_20 Start: 13382, Stop: 13774, Start Num: 65
Candidate Starts for Edison31_20:
(Start: 65 @13382 has 263 MA's), (78, 13406), (119, 13571), (128, 13598), (153, 13751),

Gene: EdogawaKiddo_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for EdogawaKiddo_22:
(Start: 64 @15076 has 623 MA's), (130, 15307),

Gene: Edtherson_20 Start: 14515, Stop: 14910, Start Num: 64
Candidate Starts for Edtherson_20:
(Start: 64 @14515 has 623 MA's), (Start: 67 @14521 has 2 MA's), (83, 14554), (Start: 88 @14572 has 2 MA's), (92, 14584), (122, 14713), (128, 14731),

Gene: Eidsmoe_22 Start: 15106, Stop: 15495, Start Num: 64
Candidate Starts for Eidsmoe_22:
(Start: 64 @15106 has 623 MA's), (130, 15337), (151, 15457),

Gene: Ejemplo_13 Start: 9148, Stop: 9543, Start Num: 72
Candidate Starts for Ejemplo_13:
(3, 8569), (7, 8593), (56, 9034), (61, 9064), (Start: 72 @9148 has 58 MA's), (Start: 88 @9214 has 2 MA's), (113, 9322), (123, 9352), (144, 9472), (155, 9529),

Gene: ElGato_14 Start: 8963, Stop: 9346, Start Num: 73
Candidate Starts for ElGato_14:
(61, 8876), (Start: 70 @8957 has 5 MA's), (Start: 73 @8963 has 46 MA's), (100, 9068), (122, 9152), (140, 9248), (142, 9257), (155, 9332),

Gene: ElTiger69_17 Start: 12511, Stop: 12924, Start Num: 64
Candidate Starts for ElTiger69_17:
(22, 12052), (54, 12415), (56, 12430), (Start: 64 @12511 has 623 MA's), (86, 12565), (125, 12736), (126, 12739), (128, 12745),

Gene: Elephantoon_22 Start: 14697, Stop: 15086, Start Num: 64
Candidate Starts for Elephantoon_22:
(Start: 64 @14697 has 623 MA's), (115, 14868), (130, 14928),

Gene: Elle_21 Start: 13113, Stop: 13463, Start Num: 64
Candidate Starts for Elle_21:
(10, 12588), (27, 12723), (56, 13032), (Start: 64 @13113 has 623 MA's), (Start: 80 @13143 has 1 MA's), (Start: 88 @13173 has 2 MA's), (115, 13293), (119, 13305), (130, 13350),

Gene: Emaanora_15 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for Emaanora_15:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: EmiRose_10 Start: 8071, Stop: 8376, Start Num: 59
Candidate Starts for EmiRose_10:
(Start: 59 @8071 has 1 MA's), (62, 8122), (69, 8155), (90, 8233), (99, 8263), (100, 8266), (104, 8290),

Gene: EmyBug_22 Start: 15106, Stop: 15495, Start Num: 64
Candidate Starts for EmyBug_22:
(Start: 64 @15106 has 623 MA's), (130, 15337), (151, 15457),

Gene: EnochSoames_14 Start: 9338, Stop: 9736, Start Num: 72
Candidate Starts for EnochSoames_14:
(3, 8759), (9, 8795), (56, 9224), (Start: 59 @9239 has 1 MA's), (61, 9254), (Start: 72 @9338 has 58 MA's), (Start: 88 @9404 has 2 MA's), (100, 9443), (113, 9515), (122, 9542), (123, 9545), (144, 9662), (155, 9722),

Gene: EnzoK_20 Start: 13955, Stop: 14350, Start Num: 64
Candidate Starts for EnzoK_20:
(Start: 64 @13955 has 623 MA's), (Start: 67 @13961 has 2 MA's), (83, 13994), (Start: 88 @14012 has 2 MA's), (92, 14024), (122, 14153), (128, 14171),

Gene: EpicPhail_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for EpicPhail_22:
(Start: 65 @13665 has 263 MA's), (68, 13674), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Epsocamisio_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for Epsocamisio_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Equemioh13_23 Start: 14800, Stop: 15135, Start Num: 64
Candidate Starts for Equemioh13_23:
(51, 14704), (56, 14719), (Start: 64 @14800 has 623 MA's), (127, 15001), (130, 15022), (150, 15124),

Gene: EricB_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for EricB_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Erik_16 Start: 9648, Stop: 9959, Start Num: 64
Candidate Starts for Erik_16:
(Start: 64 @9648 has 623 MA's), (79, 9654), (96, 9708), (110, 9771), (126, 9831), (130, 9855), (144, 9924),

Gene: Eris_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Eris_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Eros_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Eros_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Esperer_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Esperer_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: Espica_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Espica_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Espresso_19 Start: 13825, Stop: 14220, Start Num: 64
Candidate Starts for Espresso_19:
(Start: 64 @13825 has 623 MA's), (Start: 67 @13831 has 2 MA's), (83, 13864), (Start: 88 @13882 has 2 MA's), (92, 13894), (122, 14023), (128, 14041),

Gene: Et2Brutus_20 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Et2Brutus_20:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: EtoileNova_21 Start: 13750, Stop: 14091, Start Num: 65
Candidate Starts for EtoileNova_21:
(Start: 65 @13750 has 263 MA's), (85, 13798), (Start: 88 @13807 has 2 MA's), (102, 13864), (115, 13927), (122, 13948), (130, 13984), (134, 14017), (149, 14083),

Gene: Euphoria_19 Start: 13717, Stop: 14112, Start Num: 64
Candidate Starts for Euphoria_19:
(Start: 64 @13717 has 623 MA's), (Start: 67 @13723 has 2 MA's), (83, 13756), (Start: 88 @13774 has 2 MA's), (92, 13786), (122, 13915), (128, 13933),

Gene: Eurydice_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Eurydice_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: EvilGenius_23 Start: 14714, Stop: 15049, Start Num: 64
Candidate Starts for EvilGenius_23:
(51, 14618), (56, 14633), (Start: 64 @14714 has 623 MA's), (82, 14744), (122, 14900),

Gene: Expelliarmus_16 Start: 12218, Stop: 12586, Start Num: 64
Candidate Starts for Expelliarmus_16:
(42, 11930), (49, 12110), (55, 12137), (Start: 64 @12218 has 623 MA's), (90, 12260), (107, 12338), (110, 12344),

Gene: ExplosioNervosa_22 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for ExplosioNervosa_22:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: Eyeball_19 Start: 13456, Stop: 13851, Start Num: 64
Candidate Starts for Eyeball_19:
(Start: 64 @13456 has 623 MA's), (Start: 67 @13462 has 2 MA's), (83, 13495), (Start: 88 @13513 has 2 MA's), (92, 13525), (122, 13654), (128, 13672),

Gene: Fajezeel_21 Start: 14036, Stop: 14431, Start Num: 64
Candidate Starts for Fajezeel_21:
(Start: 64 @14036 has 623 MA's), (Start: 67 @14042 has 2 MA's), (83, 14075), (Start: 88 @14093 has 2 MA's), (92, 14105), (122, 14234), (128, 14252),

Gene: Fameo_21 Start: 14329, Stop: 14664, Start Num: 64
Candidate Starts for Fameo_21:
(51, 14233), (56, 14248), (Start: 64 @14329 has 623 MA's), (82, 14359), (122, 14515), (130, 14551),

Gene: Farber_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for Farber_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Fascinus_18 Start: 13459, Stop: 13854, Start Num: 64
Candidate Starts for Fascinus_18:
(Start: 64 @13459 has 623 MA's), (Start: 67 @13465 has 2 MA's), (83, 13498), (Start: 88 @13516 has 2 MA's), (92, 13528), (122, 13657), (128, 13675),

Gene: FatCactus_19 Start: 12396, Stop: 12728, Start Num: 64
Candidate Starts for FatCactus_19:
(51, 12300), (Start: 64 @12396 has 623 MA's), (94, 12468), (98, 12480), (103, 12507), (132, 12639), (135, 12651), (147, 12708),

Gene: Fayely_22 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for Fayely_22:
(Start: 64 @15109 has 623 MA's), (130, 15340), (151, 15460),

Gene: Fenn_20 Start: 15264, Stop: 15659, Start Num: 64
Candidate Starts for Fenn_20:
(Start: 64 @15264 has 623 MA's), (Start: 67 @15270 has 2 MA's), (83, 15303), (Start: 88 @15321 has 2 MA's), (92, 15333), (122, 15462), (128, 15480),

Gene: Fernando_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Fernando_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Fibonacci_21 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Fibonacci_21:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: FiringLine_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for FiringLine_21:

(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: First_0021 Start: 14319, Stop: 14654, Start Num: 64
Candidate Starts for First_0021:
(51, 14223), (56, 14238), (Start: 64 @14319 has 623 MA's), (82, 14349), (98, 14403), (102, 14427),

Gene: Flare16_21 Start: 14358, Stop: 14693, Start Num: 64
Candidate Starts for Flare16_21:
(51, 14262), (56, 14277), (Start: 64 @14358 has 623 MA's), (127, 14559), (130, 14580), (150, 14682),

Gene: Flaverint_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Flaverint_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Florean_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Florean_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Florence1_17 Start: 12461, Stop: 12874, Start Num: 64
Candidate Starts for Florence1_17:
(28, 12053), (54, 12365), (Start: 64 @12461 has 623 MA's), (86, 12515), (95, 12545), (128, 12695),

Gene: Florence4_18 Start: 12461, Stop: 12874, Start Num: 64
Candidate Starts for Florence4_18:
(28, 12053), (54, 12365), (Start: 64 @12461 has 623 MA's), (86, 12515), (95, 12545), (128, 12695),

Gene: Flux_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Flux_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: FlyCatcher_24 Start: 15278, Stop: 15589, Start Num: 80
Candidate Starts for FlyCatcher_24:
(56, 15161), (Start: 66 @15245 has 5 MA's), (Start: 80 @15278 has 1 MA's), (Start: 88 @15308 has 2 MA's), (134, 15518), (148, 15581),

Gene: ForGetIt_17 Start: 12523, Stop: 12936, Start Num: 64
Candidate Starts for ForGetIt_17:
(28, 12115), (54, 12427), (Start: 64 @12523 has 623 MA's), (86, 12577), (95, 12607), (128, 12757),

Gene: ForesterFrank_23 Start: 15829, Stop: 16164, Start Num: 64
Candidate Starts for ForesterFrank_23:
(51, 15733), (56, 15748), (Start: 64 @15829 has 623 MA's), (82, 15859), (98, 15913), (104, 15943),

Gene: Forsytheast_18 Start: 13726, Stop: 14121, Start Num: 64
Candidate Starts for Forsytheast_18:
(Start: 64 @13726 has 623 MA's), (Start: 67 @13732 has 2 MA's), (83, 13765), (Start: 88 @13783 has 2 MA's), (92, 13795), (122, 13924), (128, 13942),

Gene: Francis47_19 Start: 14273, Stop: 14668, Start Num: 64
Candidate Starts for Francis47_19:

(54, 14177), (Start: 64 @14273 has 623 MA's), (Start: 67 @14279 has 2 MA's), (83, 14312), (Start: 88 @14330 has 2 MA's), (92, 14342), (122, 14471), (128, 14489),

Gene: Fred313_20 Start: 12925, Stop: 13266, Start Num: 64
Candidate Starts for Fred313_20:
(54, 12829), (56, 12844), (Start: 64 @12925 has 623 MA's), (Start: 88 @12982 has 2 MA's), (102, 13039), (115, 13102), (122, 13123), (130, 13159), (134, 13192), (149, 13258),

Gene: Froghopper_20 Start: 13689, Stop: 14084, Start Num: 64
Candidate Starts for Froghopper_20:
(Start: 64 @13689 has 623 MA's), (Start: 67 @13695 has 2 MA's), (83, 13728), (Start: 88 @13746 has 2 MA's), (92, 13758), (122, 13887), (128, 13905),

Gene: Funston_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Funston_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Fushigi_20 Start: 14136, Stop: 14531, Start Num: 64
Candidate Starts for Fushigi_20:
(Start: 64 @14136 has 623 MA's), (Start: 67 @14142 has 2 MA's), (83, 14175), (Start: 88 @14193 has 2 MA's), (92, 14205), (122, 14334), (128, 14352),

Gene: GMonster_18 Start: 13572, Stop: 13967, Start Num: 64
Candidate Starts for GMonster_18:
(Start: 64 @13572 has 623 MA's), (Start: 67 @13578 has 2 MA's), (83, 13611), (Start: 88 @13629 has 2 MA's), (92, 13641), (122, 13770), (128, 13788),

Gene: Gachnar_19 Start: 13747, Stop: 14142, Start Num: 64
Candidate Starts for Gachnar_19:
(Start: 64 @13747 has 623 MA's), (Start: 67 @13753 has 2 MA's), (83, 13786), (Start: 88 @13804 has 2 MA's), (92, 13816), (122, 13945), (128, 13963),

Gene: Gadost_20 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for Gadost_20:
(Start: 65 @13573 has 263 MA's), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (152, 13930), (153, 13942), (156, 13957),

Gene: GageAP_21 Start: 14453, Stop: 14848, Start Num: 64
Candidate Starts for GageAP_21:
(Start: 64 @14453 has 623 MA's), (Start: 67 @14459 has 2 MA's), (83, 14492), (Start: 88 @14510 has 2 MA's), (92, 14522), (122, 14651), (128, 14669),

Gene: Gail_20 Start: 13431, Stop: 13766, Start Num: 64
Candidate Starts for Gail_20:
(51, 13335), (56, 13350), (Start: 64 @13431 has 623 MA's), (92, 13494), (94, 13503), (106, 13566), (122, 13617), (130, 13653), (134, 13686), (151, 13761),

Gene: Gandalf20_20 Start: 14520, Stop: 14915, Start Num: 64
Candidate Starts for Gandalf20_20:
(Start: 64 @14520 has 623 MA's), (Start: 67 @14526 has 2 MA's), (83, 14559), (Start: 88 @14577 has 2 MA's), (92, 14589), (122, 14718), (128, 14736),

Gene: Garak_25 Start: 14413, Stop: 14766, Start Num: 64
Candidate Starts for Garak_25:
(Start: 64 @14413 has 623 MA's), (102, 14521), (124, 14605),

Gene: GaugeLDP_23 Start: 15622, Stop: 15957, Start Num: 64
Candidate Starts for GaugeLDP_23:
(19, 15163), (51, 15526), (56, 15541), (Start: 64 @15622 has 623 MA's), (122, 15808),

Gene: Gemma_22 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Gemma_22:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: George_16 Start: 12673, Stop: 13086, Start Num: 64
Candidate Starts for George_16:
(28, 12265), (54, 12577), (Start: 64 @12673 has 623 MA's), (86, 12727), (95, 12757), (128, 12907),

Gene: Georgie2_22 Start: 14252, Stop: 14587, Start Num: 64
Candidate Starts for Georgie2_22:
(51, 14156), (56, 14171), (Start: 64 @14252 has 623 MA's), (82, 14282), (122, 14438), (130, 14474),

Gene: Ghoulboy_17 Start: 12747, Stop: 13160, Start Num: 64
Candidate Starts for Ghoulboy_17:
(22, 12291), (54, 12651), (Start: 64 @12747 has 623 MA's), (86, 12801), (95, 12831), (128, 12981),

Gene: Gilberta_21 Start: 14834, Stop: 15184, Start Num: 64
Candidate Starts for Gilberta_21:
(Start: 64 @14834 has 623 MA's), (98, 14918), (122, 15020), (130, 15056),

Gene: GingkoMaracino_22 Start: 13551, Stop: 13910, Start Num: 65
Candidate Starts for GingkoMaracino_22:
(Start: 65 @13551 has 263 MA's), (Start: 80 @13578 has 1 MA's), (115, 13728), (130, 13785), (134, 13818), (139, 13836),

Gene: GirlDinner_13 Start: 9035, Stop: 9406, Start Num: 73
Candidate Starts for GirlDinner_13:
(25, 8573), (29, 8609), (43, 8684), (44, 8687), (48, 8813), (61, 8948), (Start: 73 @9035 has 46 MA's), (75, 9050), (122, 9209), (123, 9212), (136, 9284), (140, 9308), (144, 9332), (155, 9392),

Gene: Giroux_21 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for Giroux_21:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: Gladiator_24 Start: 14385, Stop: 14738, Start Num: 64
Candidate Starts for Gladiator_24:
(51, 14289), (56, 14304), (Start: 64 @14385 has 623 MA's), (102, 14493), (124, 14577),

Gene: Goby_13 Start: 9148, Stop: 9546, Start Num: 72
Candidate Starts for Goby_13:
(3, 8569), (7, 8593), (37, 8776), (56, 9034), (Start: 59 @9049 has 1 MA's), (61, 9064), (Start: 72 @9148 has 58 MA's), (87, 9211), (113, 9322), (123, 9352), (144, 9472), (155, 9532),

Gene: Godpower_14 Start: 9163, Stop: 9561, Start Num: 72
Candidate Starts for Godpower_14:
(3, 8584), (7, 8608), (37, 8791), (56, 9049), (Start: 59 @9064 has 1 MA's), (61, 9079), (Start: 72 @9163 has 58 MA's), (87, 9226), (113, 9337), (123, 9367), (144, 9487), (155, 9547),

Gene: Gollum_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Gollum_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Gompeii16_19 Start: 14221, Stop: 14616, Start Num: 64
Candidate Starts for Gompeii16_19:
(54, 14125), (Start: 64 @14221 has 623 MA's), (Start: 67 @14227 has 2 MA's), (83, 14260), (Start: 88 @14278 has 2 MA's), (92, 14290), (122, 14419), (128, 14437),

Gene: Goose_20 Start: 13349, Stop: 13741, Start Num: 65
Candidate Starts for Goose_20:
(Start: 65 @13349 has 263 MA's), (78, 13373), (Start: 88 @13406 has 2 MA's), (119, 13538), (128, 13565), (153, 13718), (156, 13733),

Gene: Goose1D_20 Start: 12462, Stop: 12803, Start Num: 64
Candidate Starts for Goose1D_20:
(54, 12366), (56, 12381), (Start: 64 @12462 has 623 MA's), (Start: 88 @12519 has 2 MA's), (102, 12576), (115, 12639), (122, 12660), (130, 12696), (134, 12729), (149, 12795),

Gene: Goose1X_20 Start: 12534, Stop: 12875, Start Num: 64
Candidate Starts for Goose1X_20:
(54, 12438), (56, 12453), (Start: 64 @12534 has 623 MA's), (Start: 88 @12591 has 2 MA's), (102, 12648), (115, 12711), (122, 12732), (130, 12768), (134, 12801), (149, 12867),

Gene: Graduation_21 Start: 14486, Stop: 14881, Start Num: 64
Candidate Starts for Graduation_21:
(Start: 64 @14486 has 623 MA's), (Start: 67 @14492 has 2 MA's), (83, 14525), (Start: 88 @14543 has 2 MA's), (92, 14555), (122, 14684), (128, 14702),

Gene: Gratitude_23 Start: 14800, Stop: 15135, Start Num: 64
Candidate Starts for Gratitude_23:
(51, 14704), (56, 14719), (Start: 64 @14800 has 623 MA's), (127, 15001), (130, 15022), (150, 15124),

Gene: GrecoEtereo_20 Start: 14027, Stop: 14422, Start Num: 64
Candidate Starts for GrecoEtereo_20:
(Start: 64 @14027 has 623 MA's), (Start: 67 @14033 has 2 MA's), (83, 14066), (Start: 88 @14084 has 2 MA's), (92, 14096), (122, 14225), (128, 14243),

Gene: GreedyLawyer_24 Start: 14417, Stop: 14770, Start Num: 64
Candidate Starts for GreedyLawyer_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: GreenWeasel_15 Start: 9258, Stop: 9752, Start Num: 70
Candidate Starts for GreenWeasel_15:
(1, 8550), (41, 8907), (48, 9042), (56, 9147), (61, 9177), (Start: 70 @9258 has 5 MA's), (93, 9366), (134, 9561), (157, 9693), (158, 9705),

Gene: Greg_21 Start: 14036, Stop: 14431, Start Num: 64
Candidate Starts for Greg_21:
(Start: 64 @14036 has 623 MA's), (Start: 67 @14042 has 2 MA's), (83, 14075), (Start: 88 @14093 has 2 MA's), (92, 14105), (122, 14234), (128, 14252),

Gene: Grif_22 Start: 13748, Stop: 14107, Start Num: 65
Candidate Starts for Grif_22:
(Start: 65 @13748 has 263 MA's), (Start: 80 @13775 has 1 MA's), (115, 13925), (130, 13982), (134, 14015), (139, 14033),

Gene: GroundGoblin_20 Start: 14558, Stop: 14953, Start Num: 64
Candidate Starts for GroundGoblin_20:
(Start: 64 @14558 has 623 MA's), (Start: 67 @14564 has 2 MA's), (83, 14597), (Start: 88 @14615 has 2 MA's), (92, 14627), (122, 14756), (128, 14774),

Gene: Groundhog_16 Start: 12219, Stop: 12587, Start Num: 64
Candidate Starts for Groundhog_16:
(42, 11931), (49, 12111), (55, 12138), (Start: 64 @12219 has 623 MA's), (90, 12261), (107, 12339), (110, 12345),

Gene: Groupthink_23 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Groupthink_23:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Grub_22 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for Grub_22:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: Grum1_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for Grum1_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Gruunaga_24 Start: 14385, Stop: 14738, Start Num: 64
Candidate Starts for Gruunaga_24:
(51, 14289), (56, 14304), (Start: 64 @14385 has 623 MA's), (102, 14493), (124, 14577),

Gene: GtownJaz_22 Start: 13666, Stop: 14025, Start Num: 65
Candidate Starts for GtownJaz_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: Gwendoluna_21 Start: 15133, Stop: 15528, Start Num: 64
Candidate Starts for Gwendoluna_21:
(Start: 64 @15133 has 623 MA's), (Start: 67 @15139 has 2 MA's), (83, 15172), (85, 15181), (Start: 88 @15190 has 2 MA's), (122, 15331),

Gene: Gwennie_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for Gwennie_22:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Gyzlar_21 Start: 14963, Stop: 15358, Start Num: 64
Candidate Starts for Gyzlar_21:
(Start: 64 @14963 has 623 MA's), (Start: 67 @14969 has 2 MA's), (83, 15002), (Start: 88 @15020 has 2 MA's), (92, 15032), (122, 15161), (128, 15179),

Gene: HINdeR_20 Start: 15065, Stop: 15409, Start Num: 66
Candidate Starts for HINdeR_20:
(Start: 66 @15065 has 5 MA's), (Start: 80 @15098 has 1 MA's), (85, 15119), (Start: 88 @15128 has 2 MA's), (134, 15338), (148, 15401),

Gene: Haizum_13 Start: 8974, Stop: 9435, Start Num: 73
Candidate Starts for Haizum_13:
(48, 8752), (56, 8857), (61, 8887), (Start: 73 @8974 has 46 MA's), (Start: 80 @9010 has 1 MA's), (Start: 88 @9040 has 2 MA's), (136, 9256), (140, 9280), (144, 9304),

Gene: HamSlice_19 Start: 13567, Stop: 13959, Start Num: 65
Candidate Starts for HamSlice_19:
(Start: 65 @13567 has 263 MA's), (124, 13771), (125, 13774), (126, 13777), (128, 13783), (130, 13801), (151, 13921), (152, 13924), (153, 13936), (156, 13951),

Gene: Hami1_21 Start: 14108, Stop: 14503, Start Num: 64
Candidate Starts for Hami1_21:
(Start: 64 @14108 has 623 MA's), (Start: 67 @14114 has 2 MA's), (83, 14147), (Start: 88 @14165 has 2 MA's), (92, 14177), (122, 14306), (128, 14324),

Gene: Hammer_24 Start: 14400, Stop: 14753, Start Num: 64
Candidate Starts for Hammer_24:
(51, 14304), (56, 14319), (Start: 64 @14400 has 623 MA's), (102, 14508), (124, 14592),

Gene: HanShotFirst_19 Start: 13642, Stop: 14037, Start Num: 64
Candidate Starts for HanShotFirst_19:
(Start: 64 @13642 has 623 MA's), (Start: 67 @13648 has 2 MA's), (83, 13681), (Start: 88 @13699 has 2 MA's), (92, 13711), (122, 13840), (128, 13858),

Gene: Hank144_14 Start: 9304, Stop: 9675, Start Num: 73
Candidate Starts for Hank144_14:
(31, 8893), (43, 8953), (45, 9004), (61, 9217), (Start: 73 @9304 has 46 MA's), (83, 9337), (Start: 88 @9355 has 2 MA's), (122, 9478), (136, 9553), (140, 9577), (144, 9601), (155, 9661),

Gene: Hanray_22 Start: 15080, Stop: 15469, Start Num: 64
Candidate Starts for Hanray_22:
(Start: 64 @15080 has 623 MA's), (130, 15311),

Gene: Happiness_20 Start: 13575, Stop: 13967, Start Num: 65
Candidate Starts for Happiness_20:
(Start: 65 @13575 has 263 MA's), (124, 13779), (125, 13782), (126, 13785), (128, 13791), (130, 13809), (151, 13929), (152, 13932), (153, 13944), (156, 13959),

Gene: Harlequin_16 Start: 9593, Stop: 9904, Start Num: 64
Candidate Starts for Harlequin_16:
(Start: 64 @9593 has 623 MA's), (79, 9599), (96, 9653), (110, 9716), (126, 9776), (129, 9785),

Gene: HarryHoudini_23 Start: 14815, Stop: 15150, Start Num: 64
Candidate Starts for HarryHoudini_23:
(51, 14719), (56, 14734), (Start: 64 @14815 has 623 MA's), (127, 15016), (130, 15037), (150, 15139),

Gene: HarryOW_20 Start: 14027, Stop: 14422, Start Num: 64
Candidate Starts for HarryOW_20:
(Start: 64 @14027 has 623 MA's), (Start: 67 @14033 has 2 MA's), (83, 14066), (Start: 88 @14084 has 2 MA's), (92, 14096), (122, 14225), (128, 14243),

Gene: HashRod_23 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for HashRod_23:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: HaveUMetTed_23 Start: 13733, Stop: 14092, Start Num: 65
Candidate Starts for HaveUMetTed_23:
(Start: 65 @13733 has 263 MA's), (Start: 80 @13760 has 1 MA's), (115, 13910), (130, 13967), (134, 14000), (139, 14018),

Gene: Heathen_20 Start: 13008, Stop: 13349, Start Num: 64
Candidate Starts for Heathen_20:
(54, 12912), (56, 12927), (Start: 64 @13008 has 623 MA's), (Start: 88 @13065 has 2 MA's), (102, 13122), (115, 13185), (122, 13206), (130, 13242), (134, 13275), (149, 13341),

Gene: Heffalump_23 Start: 16131, Stop: 16466, Start Num: 64
Candidate Starts for Heffalump_23:
(51, 16035), (56, 16050), (Start: 64 @16131 has 623 MA's), (82, 16161), (122, 16317), (130, 16353),

Gene: HelDan_20 Start: 13260, Stop: 13601, Start Num: 64
Candidate Starts for HelDan_20:
(54, 13164), (56, 13179), (Start: 64 @13260 has 623 MA's), (Start: 88 @13317 has 2 MA's), (102, 13374), (115, 13437), (122, 13458), (130, 13494), (134, 13527), (149, 13593),

Gene: Heliosoles_22 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Heliosoles_22:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Helmet_24 Start: 14413, Stop: 14766, Start Num: 64
Candidate Starts for Helmet_24:
(Start: 64 @14413 has 623 MA's), (102, 14521), (124, 14605),

Gene: Herbertwm_18 Start: 13015, Stop: 13350, Start Num: 64
Candidate Starts for Herbertwm_18:
(Start: 64 @13015 has 623 MA's), (92, 13078), (98, 13099), (122, 13201), (130, 13237), (151, 13345),

Gene: Hercules11_22 Start: 13672, Stop: 14031, Start Num: 65
Candidate Starts for Hercules11_22:
(Start: 65 @13672 has 263 MA's), (Start: 80 @13699 has 1 MA's), (115, 13849), (130, 13906), (134, 13939), (139, 13957),

Gene: Hermia_21 Start: 14750, Stop: 15145, Start Num: 64
Candidate Starts for Hermia_21:

(Start: 64 @14750 has 623 MA's), (Start: 67 @14756 has 2 MA's), (83, 14789), (Start: 88 @14807 has 2 MA's), (92, 14819), (122, 14948), (128, 14966),

Gene: HermioneGrange_19 Start: 13662, Stop: 14057, Start Num: 64
Candidate Starts for HermioneGrange_19:
(Start: 64 @13662 has 623 MA's), (Start: 67 @13668 has 2 MA's), (83, 13701), (Start: 88 @13719 has 2 MA's), (92, 13731), (122, 13860), (128, 13878),

Gene: Hexamo_24 Start: 14367, Stop: 14720, Start Num: 64
Candidate Starts for Hexamo_24:
(51, 14271), (56, 14286), (Start: 64 @14367 has 623 MA's), (102, 14475), (124, 14559),

Gene: Hippo_13 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for Hippo_13:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: HippoHollow_22 Start: 16071, Stop: 16406, Start Num: 64
Candidate Starts for HippoHollow_22:
(Start: 64 @16071 has 623 MA's),

Gene: Hiro_16 Start: 9593, Stop: 9904, Start Num: 64
Candidate Starts for Hiro_16:
(Start: 64 @9593 has 623 MA's), (79, 9599), (110, 9716), (122, 9764), (126, 9776), (130, 9800),

Gene: Holex_22 Start: 15080, Stop: 15469, Start Num: 64
Candidate Starts for Holex_22:
(Start: 64 @15080 has 623 MA's), (130, 15311),

Gene: Holli_20 Start: 13359, Stop: 13751, Start Num: 65
Candidate Starts for Holli_20:
(Start: 65 @13359 has 263 MA's), (124, 13563), (125, 13566), (126, 13569), (128, 13575), (130, 13593), (151, 13713), (152, 13716), (153, 13728), (156, 13743),

Gene: Homines_19 Start: 13752, Stop: 14147, Start Num: 64
Candidate Starts for Homines_19:
(Start: 64 @13752 has 623 MA's), (Start: 67 @13758 has 2 MA's), (83, 13791), (Start: 88 @13809 has 2 MA's), (92, 13821), (122, 13950), (128, 13968),

Gene: Hookmount_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Hookmount_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Hoot_24 Start: 14396, Stop: 14749, Start Num: 64
Candidate Starts for Hoot_24:
(Start: 64 @14396 has 623 MA's), (102, 14504), (124, 14588),

Gene: Hope4ever_19 Start: 14138, Stop: 14533, Start Num: 64
Candidate Starts for Hope4ever_19:
(Start: 64 @14138 has 623 MA's), (Start: 67 @14144 has 2 MA's), (83, 14177), (Start: 88 @14195 has 2 MA's), (92, 14207), (122, 14336), (128, 14354),

Gene: HortumSL17_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for HortumSL17_22:
(Start: 64 @15076 has 623 MA's), (130, 15307), (151, 15427),

Gene: Houdini22_20 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for Houdini22_20:
(Start: 65 @13573 has 263 MA's), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (152, 13930), (153, 13942), (156, 13957),

Gene: HuhtaEnerson15_17 Start: 12673, Stop: 13086, Start Num: 64
Candidate Starts for HuhtaEnerson15_17:
(28, 12265), (54, 12577), (Start: 64 @12673 has 623 MA's), (86, 12727), (95, 12757), (128, 12907),

Gene: Hutc2_21 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Hutc2_21:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: Huxley_20 Start: 13633, Stop: 14025, Start Num: 65
Candidate Starts for Huxley_20:
(Start: 65 @13633 has 263 MA's), (124, 13837), (125, 13840), (126, 13843), (128, 13849), (130, 13867), (151, 13987), (153, 14002), (156, 14017),

Gene: Hydra_15 Start: 9707, Stop: 10105, Start Num: 72
Candidate Starts for Hydra_15:
(3, 9128), (9, 9164), (56, 9593), (Start: 59 @9608 has 1 MA's), (61, 9623), (Start: 72 @9707 has 58 MA's), (100, 9812), (113, 9884), (122, 9911), (123, 9914), (144, 10031), (155, 10091),

Gene: ICleared_20 Start: 13567, Stop: 13959, Start Num: 65
Candidate Starts for ICleared_20:
(Start: 65 @13567 has 263 MA's), (124, 13771), (125, 13774), (126, 13777), (128, 13783), (130, 13801), (151, 13921), (152, 13924), (153, 13936), (156, 13951),

Gene: ILeeKay_21 Start: 13897, Stop: 14292, Start Num: 64
Candidate Starts for ILeeKay_21:
(Start: 64 @13897 has 623 MA's), (Start: 67 @13903 has 2 MA's), (83, 13936), (Start: 88 @13954 has 2 MA's), (92, 13966), (122, 14095), (128, 14113),

Gene: Iceman_21 Start: 13858, Stop: 14250, Start Num: 65
Candidate Starts for Iceman_21:
(Start: 65 @13858 has 263 MA's), (124, 14062), (125, 14065), (126, 14068), (128, 14074), (130, 14092), (151, 14212), (152, 14215), (153, 14227), (156, 14242),

Gene: Ichabod_20 Start: 13754, Stop: 14149, Start Num: 64
Candidate Starts for Ichabod_20:
(Start: 64 @13754 has 623 MA's), (Start: 67 @13760 has 2 MA's), (83, 13793), (Start: 88 @13811 has 2 MA's), (92, 13823), (122, 13952), (128, 13970),

Gene: Idleandcovert_20 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for Idleandcovert_20:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: IgnatiusPatJac_18 Start: 13723, Stop: 14118, Start Num: 64

Candidate Starts for IgnatiusPatJac_18:
(Start: 64 @13723 has 623 MA's), (Start: 67 @13729 has 2 MA's), (83, 13762), (Start: 88 @13780 has 2 MA's), (92, 13792), (122, 13921), (128, 13939),

Gene: Imbriano_24 Start: 14418, Stop: 14771, Start Num: 64
Candidate Starts for Imbriano_24:
(Start: 64 @14418 has 623 MA's), (102, 14526), (124, 14610),

Gene: Indigo_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Indigo_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: Indra_24 Start: 14412, Stop: 14765, Start Num: 64
Candidate Starts for Indra_24:
(51, 14316), (56, 14331), (Start: 64 @14412 has 623 MA's), (102, 14520), (124, 14604),

Gene: Insomnia_21 Start: 14889, Stop: 15239, Start Num: 64
Candidate Starts for Insomnia_21:
(Start: 64 @14889 has 623 MA's), (98, 14973), (122, 15075), (130, 15111),

Gene: Inyanga_18 Start: 13500, Stop: 13895, Start Num: 64
Candidate Starts for Inyanga_18:
(Start: 64 @13500 has 623 MA's), (Start: 67 @13506 has 2 MA's), (83, 13539), (Start: 88 @13557 has 2 MA's), (92, 13569), (122, 13698), (128, 13716),

Gene: Iqorha_18 Start: 13499, Stop: 13894, Start Num: 64
Candidate Starts for Iqorha_18:
(Start: 64 @13499 has 623 MA's), (Start: 67 @13505 has 2 MA's), (83, 13538), (Start: 88 @13556 has 2 MA's), (92, 13568), (122, 13697), (128, 13715),

Gene: Iracema64_21 Start: 13881, Stop: 14273, Start Num: 65
Candidate Starts for Iracema64_21:
(Start: 65 @13881 has 263 MA's), (68, 13890), (124, 14085), (125, 14088), (126, 14091), (128, 14097), (130, 14115), (151, 14235), (153, 14250), (156, 14265),

Gene: IronMan_23 Start: 15997, Stop: 16353, Start Num: 64
Candidate Starts for IronMan_23:
(51, 15901), (56, 15916), (Start: 64 @15997 has 623 MA's), (92, 16060), (97, 16078), (122, 16183), (130, 16219), (134, 16252),

Gene: Isca_20 Start: 13095, Stop: 13436, Start Num: 64
Candidate Starts for Isca_20:
(54, 12999), (Start: 64 @13095 has 623 MA's), (102, 13209), (115, 13272), (130, 13329), (134, 13362), (149, 13428),

Gene: Isiphiwo_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for Isiphiwo_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Issmi_14 Start: 9254, Stop: 9706, Start Num: 73
Candidate Starts for Issmi_14:

(48, 9032), (56, 9137), (61, 9167), (Start: 73 @9254 has 46 MA's), (Start: 80 @9290 has 1 MA's), (100, 9359), (103, 9380), (122, 9443), (130, 9497), (144, 9584),

Gene: Itza_13 Start: 9404, Stop: 9784, Start Num: 72
Candidate Starts for Itza_13:
(Start: 72 @9404 has 58 MA's), (84, 9458), (Start: 88 @9470 has 2 MA's), (144, 9713), (155, 9773),

Gene: Iwokeuplikedis_22 Start: 14282, Stop: 14620, Start Num: 64
Candidate Starts for Iwokeuplikedis_22:
(51, 14186), (56, 14201), (Start: 64 @14282 has 623 MA's), (92, 14345), (94, 14354), (98, 14366), (109, 14423), (122, 14468), (127, 14483), (130, 14504), (134, 14537),

Gene: Izzy_14 Start: 9455, Stop: 9787, Start Num: 88
Candidate Starts for Izzy_14:
(3, 8810), (9, 8846), (56, 9275), (Start: 59 @9290 has 1 MA's), (61, 9305), (Start: 72 @9389 has 58 MA's), (Start: 88 @9455 has 2 MA's), (100, 9494), (113, 9566), (122, 9593), (123, 9596), (144, 9713), (155, 9773),

Gene: JC27_21 Start: 14633, Stop: 15028, Start Num: 64
Candidate Starts for JC27_21:
(Start: 64 @14633 has 623 MA's), (Start: 67 @14639 has 2 MA's), (83, 14672), (Start: 88 @14690 has 2 MA's), (92, 14702), (122, 14831), (128, 14849),

Gene: JF2_20 Start: 12860, Stop: 13201, Start Num: 64
Candidate Starts for JF2_20:
(54, 12764), (56, 12779), (Start: 64 @12860 has 623 MA's), (102, 12974), (115, 13037), (130, 13094), (134, 13127), (149, 13193),

Gene: JF4_20 Start: 12860, Stop: 13201, Start Num: 64
Candidate Starts for JF4_20:
(54, 12764), (56, 12779), (Start: 64 @12860 has 623 MA's), (102, 12974), (115, 13037), (130, 13094), (134, 13127), (149, 13193),

Gene: JHC117_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for JHC117_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: JSwag_23 Start: 13402, Stop: 13770, Start Num: 64
Candidate Starts for JSwag_23:
(Start: 64 @13402 has 623 MA's), (Start: 80 @13432 has 1 MA's), (82, 13441), (92, 13474), (115, 13582), (119, 13594), (130, 13639), (134, 13672),

Gene: Jaan_24 Start: 16395, Stop: 16751, Start Num: 64
Candidate Starts for Jaan_24:
(51, 16299), (56, 16314), (Start: 64 @16395 has 623 MA's), (92, 16458), (97, 16476), (122, 16581), (130, 16617), (134, 16650),

Gene: Jabiru_17 Start: 12562, Stop: 12975, Start Num: 64
Candidate Starts for Jabiru_17:
(54, 12466), (56, 12481), (Start: 64 @12562 has 623 MA's), (86, 12616), (125, 12787), (126, 12790), (128, 12796),

Gene: Jabith_21 Start: 14889, Stop: 15239, Start Num: 64
Candidate Starts for Jabith_21:
(Start: 64 @14889 has 623 MA's), (98, 14973), (122, 15075), (130, 15111),

Gene: JackSparrow_20 Start: 14064, Stop: 14459, Start Num: 64
Candidate Starts for JackSparrow_20:
(Start: 64 @14064 has 623 MA's), (Start: 67 @14070 has 2 MA's), (83, 14103), (Start: 88 @14121 has 2 MA's), (92, 14133), (122, 14262), (128, 14280),

Gene: Janus_14 Start: 9373, Stop: 9744, Start Num: 73
Candidate Starts for Janus_14:
(25, 8911), (29, 8947), (43, 9022), (44, 9025), (61, 9286), (Start: 73 @9373 has 46 MA's), (75, 9388), (122, 9547), (123, 9550), (136, 9622), (140, 9646), (144, 9670), (155, 9730),

Gene: Jash_14 Start: 9342, Stop: 9740, Start Num: 72
Candidate Starts for Jash_14:
(3, 8763), (9, 8799), (56, 9228), (Start: 59 @9243 has 1 MA's), (61, 9258), (Start: 72 @9342 has 58 MA's), (Start: 88 @9408 has 2 MA's), (100, 9447), (113, 9519), (122, 9546), (123, 9549), (144, 9666), (155, 9726),

Gene: Jasper_20 Start: 13565, Stop: 13960, Start Num: 64
Candidate Starts for Jasper_20:
(Start: 64 @13565 has 623 MA's), (Start: 67 @13571 has 2 MA's), (83, 13604), (Start: 88 @13622 has 2 MA's), (92, 13634), (122, 13763), (128, 13781),

Gene: Jaykayelowell_20 Start: 13565, Stop: 13957, Start Num: 65
Candidate Starts for Jaykayelowell_20:
(Start: 65 @13565 has 263 MA's), (124, 13769), (125, 13772), (126, 13775), (128, 13781), (130, 13799), (151, 13919), (152, 13922), (153, 13934), (156, 13949),

Gene: Jeeves_20 Start: 13462, Stop: 13797, Start Num: 64
Candidate Starts for Jeeves_20:
(51, 13366), (56, 13381), (Start: 64 @13462 has 623 MA's), (122, 13648), (127, 13663), (130, 13684),

Gene: Jeffabunny_24 Start: 14419, Stop: 14772, Start Num: 64
Candidate Starts for Jeffabunny_24:
(51, 14323), (56, 14338), (Start: 64 @14419 has 623 MA's), (102, 14527), (124, 14611),

Gene: JenCasNa_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for JenCasNa_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: JeppNRM_23 Start: 13737, Stop: 14096, Start Num: 65
Candidate Starts for JeppNRM_23:
(Start: 65 @13737 has 263 MA's), (Start: 80 @13764 has 1 MA's), (115, 13914), (130, 13971), (134, 14004), (139, 14022),

Gene: Jerm_23 Start: 14732, Stop: 15067, Start Num: 64
Candidate Starts for Jerm_23:
(12, 14222), (51, 14636), (56, 14651), (Start: 64 @14732 has 623 MA's), (82, 14762),

Gene: Jerm2_20 Start: 13934, Stop: 14329, Start Num: 64

Candidate Starts for Jerm2_20:
(Start: 64 @13934 has 623 MA's), (Start: 67 @13940 has 2 MA's), (83, 13973), (Start: 88 @13991 has 2 MA's), (92, 14003), (122, 14132), (128, 14150),

Gene: Jester_16 Start: 9593, Stop: 9904, Start Num: 64
Candidate Starts for Jester_16:
(Start: 64 @9593 has 623 MA's), (79, 9599), (96, 9653), (110, 9716), (122, 9764), (126, 9776), (130, 9800),

Gene: JetBlade_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for JetBlade_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Jevington_15 Start: 9556, Stop: 10032, Start Num: 73
Candidate Starts for Jevington_15:
(39, 9193), (48, 9334), (Start: 73 @9556 has 46 MA's), (103, 9703), (113, 9739), (122, 9766), (144, 9916), (154, 9973),

Gene: JewelBug_24 Start: 14420, Stop: 14773, Start Num: 64
Candidate Starts for JewelBug_24:
(Start: 64 @14420 has 623 MA's), (102, 14528), (124, 14612),

Gene: Jhitchelle_12 Start: 8888, Stop: 9274, Start Num: 73
Candidate Starts for Jhitchelle_12:
(Start: 73 @8888 has 46 MA's), (89, 8957), (100, 8993), (122, 9077), (144, 9200), (155, 9260),

Gene: Jiawan_22 Start: 15112, Stop: 15501, Start Num: 64
Candidate Starts for Jiawan_22:
(Start: 64 @15112 has 623 MA's), (130, 15343),

Gene: Jobu08_22 Start: 13732, Stop: 14091, Start Num: 65
Candidate Starts for Jobu08_22:
(Start: 65 @13732 has 263 MA's), (Start: 80 @13759 has 1 MA's), (115, 13909), (130, 13966), (134, 13999), (139, 14017),

Gene: JoongJeon_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for JoongJeon_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Jordennis_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for Jordennis_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Jorgensen_19 Start: 13521, Stop: 13916, Start Num: 64
Candidate Starts for Jorgensen_19:
(Start: 64 @13521 has 623 MA's), (Start: 67 @13527 has 2 MA's), (83, 13560), (Start: 88 @13578 has 2 MA's), (92, 13590), (122, 13719), (128, 13737),

Gene: Joselito_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Joselito_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: JoshKayV_23 Start: 14730, Stop: 15065, Start Num: 64
Candidate Starts for JoshKayV_23:
(51, 14634), (56, 14649), (Start: 64 @14730 has 623 MA's), (98, 14814), (116, 14904),

Gene: Journey13_19 Start: 13442, Stop: 13795, Start Num: 64
Candidate Starts for Journey13_19:
(51, 13346), (56, 13361), (Start: 64 @13442 has 623 MA's), (94, 13514),

Gene: Jovo_17 Start: 12779, Stop: 13192, Start Num: 64
Candidate Starts for Jovo_17:
(22, 12323), (54, 12683), (Start: 64 @12779 has 623 MA's), (86, 12833), (128, 13013),

Gene: Jsquared_20 Start: 13146, Stop: 13481, Start Num: 64
Candidate Starts for Jsquared_20:
(51, 13050), (56, 13065), (Start: 64 @13146 has 623 MA's),

Gene: JuliaChild_21 Start: 14192, Stop: 14587, Start Num: 64
Candidate Starts for JuliaChild_21:
(54, 14096), (Start: 64 @14192 has 623 MA's), (Start: 67 @14198 has 2 MA's), (83, 14231), (Start: 88 @14249 has 2 MA's), (92, 14261), (122, 14390), (128, 14408),

Gene: Junimo_19 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Junimo_19:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: KADY_23 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for KADY_23:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: KBG_20 Start: 14642, Stop: 15037, Start Num: 64
Candidate Starts for KBG_20:
(Start: 64 @14642 has 623 MA's), (Start: 67 @14648 has 2 MA's), (83, 14681), (Start: 88 @14699 has 2 MA's), (92, 14711), (122, 14840), (128, 14858),

Gene: KFPoly_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for KFPoly_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: KSSJEB_19 Start: 13539, Stop: 13934, Start Num: 64
Candidate Starts for KSSJEB_19:
(Start: 64 @13539 has 623 MA's), (Start: 67 @13545 has 2 MA's), (83, 13578), (Start: 88 @13596 has 2 MA's), (92, 13608), (122, 13737), (128, 13755),

Gene: Kachowdy_20 Start: 13260, Stop: 13601, Start Num: 64
Candidate Starts for Kachowdy_20:
(54, 13164), (56, 13179), (Start: 64 @13260 has 623 MA's), (Start: 88 @13317 has 2 MA's), (102, 13374), (115, 13437), (122, 13458), (130, 13494), (134, 13527), (149, 13593),

Gene: Kaine_13 Start: 8953, Stop: 9339, Start Num: 73

Candidate Starts for Kaine_13:
(61, 8866), (Start: 70 @8947 has 5 MA's), (Start: 73 @8953 has 46 MA's), (100, 9058), (144, 9265), (155, 9325),

Gene: Kalb97_23 Start: 13737, Stop: 14096, Start Num: 65
Candidate Starts for Kalb97_23:
(Start: 65 @13737 has 263 MA's), (Start: 80 @13764 has 1 MA's), (115, 13914), (130, 13971), (134, 14004), (139, 14022),

Gene: Kalnoky_23 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Kalnoky_23:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Kalpine_24 Start: 16095, Stop: 16430, Start Num: 64
Candidate Starts for Kalpine_24:
(4, 15543), (5, 15546), (35, 15762), (51, 15999), (56, 16014), (Start: 64 @16095 has 623 MA's), (82, 16125), (98, 16179), (127, 16296),

Gene: Kampy_20 Start: 13567, Stop: 13959, Start Num: 65
Candidate Starts for Kampy_20:
(Start: 65 @13567 has 263 MA's), (124, 13771), (125, 13774), (126, 13777), (128, 13783), (130, 13801), (151, 13921), (152, 13924), (153, 13936), (156, 13951),

Gene: Kanely_20 Start: 14301, Stop: 14696, Start Num: 64
Candidate Starts for Kanely_20:
(Start: 64 @14301 has 623 MA's), (Start: 67 @14307 has 2 MA's), (83, 14340), (Start: 88 @14358 has 2 MA's), (92, 14370), (122, 14499), (128, 14517),

Gene: Katalie_14 Start: 9418, Stop: 9816, Start Num: 72
Candidate Starts for Katalie_14:
(3, 8839), (7, 8863), (15, 8926), (56, 9304), (61, 9334), (Start: 72 @9418 has 58 MA's), (113, 9592), (123, 9622), (144, 9742), (155, 9802),

Gene: Katalie136_20 Start: 13577, Stop: 13969, Start Num: 65
Candidate Starts for Katalie136_20:
(Start: 65 @13577 has 263 MA's), (83, 13616), (128, 13793), (153, 13946), (156, 13961),

Gene: KatherineG_23 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for KatherineG_23:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: Kazan_24 Start: 14423, Stop: 14776, Start Num: 64
Candidate Starts for Kazan_24:
(Start: 64 @14423 has 623 MA's), (102, 14531), (124, 14615),

Gene: KekoraPapaka_19 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for KekoraPapaka_19:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Kenmech_22 Start: 15103, Stop: 15498, Start Num: 64

Candidate Starts for Kenmech_22:
(Start: 64 @15103 has 623 MA's), (Start: 67 @15109 has 2 MA's), (83, 15142), (Start: 88 @15160 has 2 MA's), (92, 15172), (122, 15301), (128, 15319),

Gene: Kerberos_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for Kerberos_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: Keziacharles14_20 Start: 13208, Stop: 13597, Start Num: 64
Candidate Starts for Keziacharles14_20:
(Start: 64 @13208 has 623 MA's), (130, 13439),

Gene: KikiBouba_21 Start: 14559, Stop: 14954, Start Num: 64
Candidate Starts for KikiBouba_21:
(Start: 64 @14559 has 623 MA's), (Start: 67 @14565 has 2 MA's), (83, 14598), (Start: 88 @14616 has 2 MA's), (92, 14628), (122, 14757), (128, 14775),

Gene: Killigrew_17 Start: 13175, Stop: 13570, Start Num: 64
Candidate Starts for Killigrew_17:
(54, 13079), (Start: 64 @13175 has 623 MA's), (Start: 67 @13181 has 2 MA's), (83, 13214), (Start: 88 @13232 has 2 MA's), (92, 13244), (122, 13373), (128, 13391),

Gene: Kimba_21 Start: 14889, Stop: 15239, Start Num: 64
Candidate Starts for Kimba_21:
(Start: 64 @14889 has 623 MA's), (98, 14973), (122, 15075), (130, 15111),

Gene: Kimona_17 Start: 11073, Stop: 11411, Start Num: 64
Candidate Starts for Kimona_17:
(Start: 64 @11073 has 623 MA's), (105, 11196), (122, 11271), (134, 11340), (146, 11388),

Gene: KingCyrus_23 Start: 14704, Stop: 15039, Start Num: 64
Candidate Starts for KingCyrus_23:
(51, 14608), (56, 14623), (Start: 64 @14704 has 623 MA's), (82, 14734), (122, 14890),

Gene: Kingmustik0402_20 Start: 13561, Stop: 13953, Start Num: 65
Candidate Starts for Kingmustik0402_20:
(Start: 65 @13561 has 263 MA's), (124, 13765), (125, 13768), (126, 13771), (128, 13777), (130, 13795), (151, 13915), (152, 13918), (153, 13930), (156, 13945),

Gene: Kinmap_20 Start: 14134, Stop: 14472, Start Num: 64
Candidate Starts for Kinmap_20:
(56, 14053), (Start: 64 @14134 has 623 MA's), (92, 14197), (98, 14218), (127, 14335), (130, 14356), (134, 14389),

Gene: Kipper29_24 Start: 14417, Stop: 14770, Start Num: 64
Candidate Starts for Kipper29_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: KittenMittens_19 Start: 11447, Stop: 11839, Start Num: 65
Candidate Starts for KittenMittens_19:
(Start: 65 @11447 has 263 MA's), (Start: 88 @11504 has 2 MA's), (128, 11663), (153, 11816), (156, 11831),

Gene: Klodlith_21 Start: 13258, Stop: 13593, Start Num: 64
Candidate Starts for Klodlith_21:
(Start: 64 @13258 has 623 MA's), (122, 13444), (124, 13450), (127, 13459), (130, 13480),

Gene: Koan_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Koan_20:
(Start: 65 @13569 has 263 MA's), (Start: 88 @13626 has 2 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Koduck_22 Start: 13484, Stop: 13819, Start Num: 64
Candidate Starts for Koduck_22:
(51, 13388), (56, 13403), (Start: 64 @13484 has 623 MA's), (130, 13706),

Gene: Koko_24 Start: 14411, Stop: 14764, Start Num: 64
Candidate Starts for Koko_24:
(51, 14315), (56, 14330), (Start: 64 @14411 has 623 MA's), (102, 14519), (124, 14603),

Gene: Koreni_19 Start: 13215, Stop: 13607, Start Num: 65
Candidate Starts for Koreni_19:
(Start: 65 @13215 has 263 MA's), (124, 13419), (125, 13422), (126, 13425), (128, 13431), (130, 13449), (151, 13569), (152, 13572), (153, 13584), (156, 13599),

Gene: Kratark_20 Start: 13564, Stop: 13956, Start Num: 65
Candidate Starts for Kratark_20:
(Start: 65 @13564 has 263 MA's), (68, 13573), (124, 13768), (125, 13771), (126, 13774), (128, 13780), (130, 13798), (151, 13918), (153, 13933), (156, 13948),

Gene: Kremtemulon_20 Start: 13617, Stop: 14009, Start Num: 65
Candidate Starts for Kremtemulon_20:
(Start: 65 @13617 has 263 MA's), (124, 13821), (125, 13824), (126, 13827), (128, 13833), (130, 13851), (151, 13971), (152, 13974), (153, 13986), (156, 14001),

Gene: Krishelle_16 Start: 9608, Stop: 9919, Start Num: 64
Candidate Starts for Krishelle_16:
(Start: 64 @9608 has 623 MA's), (79, 9614), (110, 9731), (122, 9779), (126, 9791), (130, 9815),

Gene: Kristoff_21 Start: 13530, Stop: 13922, Start Num: 65
Candidate Starts for Kristoff_21:
(Start: 65 @13530 has 263 MA's), (78, 13554), (Start: 88 @13587 has 2 MA's), (119, 13719), (128, 13746), (153, 13899), (156, 13914),

Gene: Kugel_20 Start: 13813, Stop: 14208, Start Num: 64
Candidate Starts for Kugel_20:
(Start: 64 @13813 has 623 MA's), (83, 13852), (Start: 88 @13870 has 2 MA's), (92, 13882), (122, 14011), (128, 14029),

Gene: KyMonks1A_21 Start: 14040, Stop: 14435, Start Num: 64
Candidate Starts for KyMonks1A_21:
(Start: 64 @14040 has 623 MA's), (Start: 67 @14046 has 2 MA's), (83, 14079), (Start: 88 @14097 has 2 MA's), (92, 14109), (122, 14238), (128, 14256),

Gene: Kyee_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Kyee_20:

(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: Kykar_17 Start: 13310, Stop: 13705, Start Num: 64
Candidate Starts for Kykar_17:
(54, 13214), (Start: 64 @13310 has 623 MA's), (83, 13349), (Start: 88 @13367 has 2 MA's), (92, 13379), (122, 13508), (128, 13526),

Gene: L5_21 Start: 13495, Stop: 13830, Start Num: 64
Candidate Starts for L5_21:
(51, 13399), (56, 13414), (Start: 64 @13495 has 623 MA's), (130, 13717),

Gene: LBerry_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for LBerry_22:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: LHTSCC_21 Start: 13881, Stop: 14273, Start Num: 65
Candidate Starts for LHTSCC_21:
(Start: 65 @13881 has 263 MA's), (68, 13890), (124, 14085), (125, 14088), (126, 14091), (128, 14097), (130, 14115), (151, 14235), (153, 14250), (156, 14265),

Gene: LadyBird_21 Start: 14274, Stop: 14609, Start Num: 64
Candidate Starts for LadyBird_21:
(51, 14178), (56, 14193), (Start: 64 @14274 has 623 MA's), (82, 14304), (98, 14358),

Gene: Lambert1_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Lambert1_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Lamina13_19 Start: 13316, Stop: 13711, Start Num: 64
Candidate Starts for Lamina13_19:
(Start: 64 @13316 has 623 MA's), (Start: 67 @13322 has 2 MA's), (83, 13355), (Start: 88 @13373 has 2 MA's), (92, 13385), (122, 13514), (128, 13532),

Gene: Landor_22 Start: 16047, Stop: 16403, Start Num: 64
Candidate Starts for Landor_22:
(51, 15951), (56, 15966), (Start: 64 @16047 has 623 MA's), (92, 16110), (97, 16128), (122, 16233), (130, 16269), (134, 16302),

Gene: Lannister_14 Start: 9166, Stop: 9564, Start Num: 72
Candidate Starts for Lannister_14:
(56, 9052), (Start: 59 @9067 has 1 MA's), (61, 9082), (Start: 72 @9166 has 58 MA's), (Start: 88 @9232 has 2 MA's), (113, 9340), (123, 9370), (144, 9490), (155, 9550),

Gene: LappelDuVide_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for LappelDuVide_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Larenn_22 Start: 14583, Stop: 14918, Start Num: 64
Candidate Starts for Larenn_22:

(51, 14487), (56, 14502), (Start: 64 @14583 has 623 MA's), (127, 14784), (130, 14805), (150, 14907),

Gene: LarryKay_22 Start: 13751, Stop: 14110, Start Num: 65
Candidate Starts for LarryKay_22:
(Start: 65 @13751 has 263 MA's), (Start: 80 @13778 has 1 MA's), (115, 13928), (130, 13985), (134, 14018), (139, 14036),

Gene: LastResort_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for LastResort_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Legacy_13 Start: 9150, Stop: 9548, Start Num: 72
Candidate Starts for Legacy_13:
(3, 8571), (9, 8607), (56, 9036), (Start: 59 @9051 has 1 MA's), (61, 9066), (Start: 72 @9150 has 58 MA's), (100, 9255), (113, 9327), (122, 9354), (123, 9357), (144, 9474), (155, 9534),

Gene: Lemur_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Lemur_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: LeoAvram_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for LeoAvram_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Leogania_23 Start: 16451, Stop: 16786, Start Num: 64
Candidate Starts for Leogania_23:
(16, 15980), (51, 16355), (56, 16370), (Start: 64 @16451 has 623 MA's), (82, 16481), (98, 16535),

Gene: Lesedi_18 Start: 13483, Stop: 13872, Start Num: 67
Candidate Starts for Lesedi_18:
(Start: 64 @13477 has 623 MA's), (Start: 67 @13483 has 2 MA's), (83, 13516), (Start: 88 @13534 has 2 MA's), (92, 13546), (122, 13675), (128, 13693),

Gene: Lev2_17 Start: 12491, Stop: 12904, Start Num: 64
Candidate Starts for Lev2_17:
(22, 12035), (54, 12395), (Start: 64 @12491 has 623 MA's), (86, 12545), (128, 12725),

Gene: Levia_19 Start: 14503, Stop: 14898, Start Num: 64
Candidate Starts for Levia_19:
(Start: 64 @14503 has 623 MA's), (Start: 67 @14509 has 2 MA's), (83, 14542), (Start: 88 @14560 has 2 MA's), (92, 14572), (122, 14701), (128, 14719),

Gene: Leviathan_23 Start: 14764, Stop: 15099, Start Num: 64
Candidate Starts for Leviathan_23:
(12, 14254), (51, 14668), (56, 14683), (Start: 64 @14764 has 623 MA's), (82, 14794),

Gene: Leviticus_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Leviticus_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: Licorice_21 Start: 14629, Stop: 15024, Start Num: 64
Candidate Starts for Licorice_21:
(Start: 64 @14629 has 623 MA's), (Start: 67 @14635 has 2 MA's), (83, 14668), (Start: 88 @14686 has 2 MA's), (92, 14698), (122, 14827), (128, 14845),

Gene: Lika_13 Start: 9164, Stop: 9562, Start Num: 72
Candidate Starts for Lika_13:
(3, 8585), (7, 8609), (37, 8792), (56, 9050), (Start: 59 @9065 has 1 MA's), (61, 9080), (Start: 72 @9164 has 58 MA's), (87, 9227), (113, 9338), (123, 9368), (144, 9488), (155, 9548),

Gene: LilBib_20 Start: 14559, Stop: 14954, Start Num: 64
Candidate Starts for LilBib_20:
(Start: 64 @14559 has 623 MA's), (Start: 67 @14565 has 2 MA's), (83, 14598), (Start: 88 @14616 has 2 MA's), (92, 14628), (122, 14757), (128, 14775),

Gene: LilTurb_23 Start: 14791, Stop: 15126, Start Num: 64
Candidate Starts for LilTurb_23:
(12, 14281), (51, 14695), (56, 14710), (Start: 64 @14791 has 623 MA's), (82, 14821),

Gene: Lilbunny_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for Lilbunny_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: Lilith_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for Lilith_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Lilleskat_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for Lilleskat_22:
(Start: 64 @15076 has 623 MA's), (130, 15307),

Gene: Lillie_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Lillie_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: LionsBait_22 Start: 16065, Stop: 16400, Start Num: 64
Candidate Starts for LionsBait_22:
(Start: 64 @16065 has 623 MA's),

Gene: LittleB_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for LittleB_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: LittleCherry_17 Start: 12674, Stop: 13087, Start Num: 64
Candidate Starts for LittleCherry_17:
(28, 12266), (54, 12578), (Start: 64 @12674 has 623 MA's), (86, 12728), (95, 12758), (128, 12908),

Gene: LittleGuy_20 Start: 13512, Stop: 13904, Start Num: 65
Candidate Starts for LittleGuy_20:

(Start: 65 @13512 has 263 MA's), (124, 13716), (125, 13719), (126, 13722), (128, 13728), (130, 13746), (153, 13881), (156, 13896),

Gene: LochMonster_20 Start: 13544, Stop: 13936, Start Num: 65
Candidate Starts for LochMonster_20:
(Start: 65 @13544 has 263 MA's), (68, 13553), (124, 13748), (125, 13751), (126, 13754), (128, 13760), (130, 13778), (151, 13898), (153, 13913), (156, 13928),

Gene: Lockley_19 Start: 13654, Stop: 14049, Start Num: 64
Candidate Starts for Lockley_19:
(Start: 64 @13654 has 623 MA's), (Start: 67 @13660 has 2 MA's), (83, 13693), (Start: 88 @13711 has 2 MA's), (92, 13723), (122, 13852), (128, 13870),

Gene: LogiBear_23 Start: 14143, Stop: 14511, Start Num: 64
Candidate Starts for LogiBear_23:
(56, 14062), (Start: 64 @14143 has 623 MA's), (Start: 80 @14173 has 1 MA's), (98, 14236), (130, 14380), (134, 14413),

Gene: Lokk_24 Start: 15989, Stop: 16324, Start Num: 64
Candidate Starts for Lokk_24:
(51, 15893), (56, 15908), (Start: 64 @15989 has 623 MA's),

Gene: LoneWolf_22 Start: 14885, Stop: 15274, Start Num: 64
Candidate Starts for LoneWolf_22:
(Start: 64 @14885 has 623 MA's), (115, 15056), (130, 15116),

Gene: Loofah_14 Start: 9086, Stop: 9547, Start Num: 73
Candidate Starts for Loofah_14:
(48, 8864), (Start: 73 @9086 has 46 MA's), (Start: 80 @9122 has 1 MA's), (Start: 88 @9152 has 2 MA's), (113, 9248), (122, 9275), (144, 9425), (154, 9482),

Gene: Looper_24 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for Looper_24:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Lopton_20 Start: 15078, Stop: 15473, Start Num: 64
Candidate Starts for Lopton_20:
(Start: 64 @15078 has 623 MA's), (Start: 67 @15084 has 2 MA's), (83, 15117), (Start: 88 @15135 has 2 MA's), (92, 15147), (122, 15276), (128, 15294),

Gene: Lorelei_13 Start: 9136, Stop: 9534, Start Num: 72
Candidate Starts for Lorelei_13:
(3, 8557), (7, 8581), (56, 9022), (Start: 59 @9037 has 1 MA's), (61, 9052), (Start: 72 @9136 has 58 MA's), (87, 9199), (Start: 88 @9202 has 2 MA's), (113, 9310), (144, 9460), (155, 9520),

Gene: Lorenzo_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Lorenzo_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Loser_24 Start: 16091, Stop: 16426, Start Num: 64
Candidate Starts for Loser_24:

(5, 15542), (18, 15626), (35, 15758), (51, 15995), (56, 16010), (Start: 64 @16091 has 623 MA's), (82, 16121), (122, 16277), (130, 16313),

Gene: Louie6_22 Start: 13752, Stop: 14111, Start Num: 65
Candidate Starts for Louie6_22:
(Start: 65 @13752 has 263 MA's), (Start: 80 @13779 has 1 MA's), (115, 13929), (130, 13986), (134, 14019), (139, 14037),

Gene: Lowa_22 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for Lowa_22:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: Luchador_22 Start: 14658, Stop: 14993, Start Num: 64
Candidate Starts for Luchador_22:
(51, 14562), (56, 14577), (Start: 64 @14658 has 623 MA's), (94, 14730), (122, 14844), (130, 14880), (134, 14913), (151, 14988),

Gene: Lucivia_21 Start: 14886, Stop: 15236, Start Num: 64
Candidate Starts for Lucivia_21:
(Start: 64 @14886 has 623 MA's), (98, 14970), (122, 15072), (130, 15108),

Gene: Lucyedi_22 Start: 14468, Stop: 14806, Start Num: 64
Candidate Starts for Lucyedi_22:
(Start: 64 @14468 has 623 MA's), (122, 14654), (127, 14669), (130, 14690),

Gene: LugYA_24 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for LugYA_24:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: LunarLander_19 Start: 13433, Stop: 13828, Start Num: 64
Candidate Starts for LunarLander_19:
(Start: 64 @13433 has 623 MA's), (Start: 67 @13439 has 2 MA's), (83, 13472), (Start: 88 @13490 has 2 MA's), (92, 13502), (122, 13631), (128, 13649),

Gene: Lunsford_21 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Lunsford_21:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: MA5_20 Start: 12804, Stop: 13145, Start Num: 64
Candidate Starts for MA5_20:
(54, 12708), (56, 12723), (Start: 64 @12804 has 623 MA's), (102, 12918), (115, 12981), (122, 13002), (130, 13038), (134, 13071), (149, 13137),

Gene: MK4_20 Start: 13094, Stop: 13435, Start Num: 64
Candidate Starts for MK4_20:
(54, 12998), (56, 13013), (Start: 64 @13094 has 623 MA's), (102, 13208), (115, 13271), (130, 13328), (134, 13361), (149, 13427),

Gene: MPlant7149_18 Start: 13288, Stop: 13683, Start Num: 64
Candidate Starts for MPlant7149_18:

(Start: 64 @13288 has 623 MA's), (Start: 67 @13294 has 2 MA's), (83, 13327), (Start: 88 @13345 has 2 MA's), (92, 13357), (122, 13486), (128, 13504),

Gene: MaCh_21 Start: 14834, Stop: 15184, Start Num: 64
Candidate Starts for MaCh_21:
(Start: 64 @14834 has 623 MA's), (98, 14918), (122, 15020), (130, 15056),

Gene: Mabel_21 Start: 14901, Stop: 15251, Start Num: 64
Candidate Starts for Mabel_21:
(Start: 64 @14901 has 623 MA's), (98, 14985), (122, 15087), (130, 15123),

Gene: MadMarie_22 Start: 13667, Stop: 14026, Start Num: 65
Candidate Starts for MadMarie_22:
(Start: 65 @13667 has 263 MA's), (Start: 80 @13694 has 1 MA's), (115, 13844), (130, 13901), (134, 13934), (139, 13952),

Gene: Magnar_19 Start: 13435, Stop: 13830, Start Num: 64
Candidate Starts for Magnar_19:
(Start: 64 @13435 has 623 MA's), (Start: 67 @13441 has 2 MA's), (83, 13474), (Start: 88 @13492 has 2 MA's), (92, 13504), (122, 13633), (128, 13651),

Gene: Magnito_18 Start: 13199, Stop: 13594, Start Num: 64
Candidate Starts for Magnito_18:
(Start: 64 @13199 has 623 MA's), (Start: 67 @13205 has 2 MA's), (83, 13238), (Start: 88 @13256 has 2 MA's), (92, 13268), (122, 13397), (128, 13415),

Gene: Mainiac_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for Mainiac_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: MajorMajor_20 Start: 13229, Stop: 13564, Start Num: 64
Candidate Starts for MajorMajor_20:
(51, 13133), (56, 13148), (Start: 64 @13229 has 623 MA's),

Gene: Makemake_19 Start: 14928, Stop: 15323, Start Num: 64
Candidate Starts for Makemake_19:
(Start: 64 @14928 has 623 MA's), (Start: 67 @14934 has 2 MA's), (83, 14967), (Start: 88 @14985 has 2 MA's), (92, 14997), (122, 15126), (128, 15144),

Gene: Malec_22 Start: 14588, Stop: 14923, Start Num: 64
Candidate Starts for Malec_22:
(51, 14492), (56, 14507), (Start: 64 @14588 has 623 MA's), (127, 14789), (130, 14810), (150, 14912),

Gene: Malinsilva_24 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for Malinsilva_24:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: Maminiaina_22 Start: 14809, Stop: 15198, Start Num: 64
Candidate Starts for Maminiaina_22:
(Start: 64 @14809 has 623 MA's), (130, 15040),

Gene: Manatee_20 Start: 13950, Stop: 14345, Start Num: 64
Candidate Starts for Manatee_20:
(Start: 64 @13950 has 623 MA's), (Start: 67 @13956 has 2 MA's), (83, 13989), (Start: 88 @14007 has 2 MA's), (92, 14019), (122, 14148), (128, 14166),

Gene: Maneekul_13 Start: 9147, Stop: 9542, Start Num: 72
Candidate Starts for Maneekul_13:
(3, 8568), (7, 8592), (56, 9033), (61, 9063), (Start: 72 @9147 has 58 MA's), (Start: 88 @9213 has 2 MA's), (113, 9321), (123, 9351), (144, 9471), (155, 9528),

Gene: Manu_23 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Manu_23:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: MarQuardt_22 Start: 13666, Stop: 14025, Start Num: 65
Candidate Starts for MarQuardt_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: Marav_16 Start: 9906, Stop: 10382, Start Num: 73
Candidate Starts for Marav_16:
(48, 9684), (Start: 73 @9906 has 46 MA's), (103, 10053), (113, 10089), (122, 10116), (144, 10266), (154, 10323),

Gene: Marcell_19 Start: 13948, Stop: 14343, Start Num: 64
Candidate Starts for Marcell_19:
(Start: 64 @13948 has 623 MA's), (Start: 67 @13954 has 2 MA's), (Start: 88 @14005 has 2 MA's), (92, 14017), (122, 14146), (128, 14164),

Gene: Marchesa_20 Start: 13258, Stop: 13599, Start Num: 64
Candidate Starts for Marchesa_20:
(54, 13162), (56, 13177), (Start: 64 @13258 has 623 MA's), (Start: 88 @13315 has 2 MA's), (102, 13372), (115, 13435), (122, 13456), (130, 13492), (134, 13525), (149, 13591),

Gene: Marchy_18 Start: 13278, Stop: 13673, Start Num: 64
Candidate Starts for Marchy_18:
(Start: 64 @13278 has 623 MA's), (Start: 67 @13284 has 2 MA's), (83, 13317), (Start: 88 @13335 has 2 MA's), (92, 13347), (122, 13476), (128, 13494),

Gene: Marco3_19 Start: 13923, Stop: 14318, Start Num: 64
Candidate Starts for Marco3_19:
(Start: 64 @13923 has 623 MA's), (Start: 67 @13929 has 2 MA's), (83, 13962), (Start: 88 @13980 has 2 MA's), (92, 13992), (122, 14121), (128, 14139),

Gene: Marge_20 Start: 14174, Stop: 14569, Start Num: 64
Candidate Starts for Marge_20:
(Start: 64 @14174 has 623 MA's), (Start: 67 @14180 has 2 MA's), (83, 14213), (Start: 88 @14231 has 2 MA's), (92, 14243), (122, 14372), (128, 14390),

Gene: Margo_21 Start: 13772, Stop: 14113, Start Num: 65
Candidate Starts for Margo_21:

(Start: 65 @13772 has 263 MA's), (85, 13820), (Start: 88 @13829 has 2 MA's), (102, 13886), (115, 13949), (122, 13970), (130, 14006), (134, 14039), (149, 14105),

Gene: Marie_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Marie_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Marius_23 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Marius_23:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Maroc7_18 Start: 13460, Stop: 13855, Start Num: 64
Candidate Starts for Maroc7_18:
(Start: 64 @13460 has 623 MA's), (Start: 67 @13466 has 2 MA's), (83, 13499), (Start: 88 @13517 has 2 MA's), (92, 13529), (122, 13658), (128, 13676),

Gene: Marsha_19 Start: 14216, Stop: 14611, Start Num: 64
Candidate Starts for Marsha_19:
(Start: 64 @14216 has 623 MA's), (Start: 67 @14222 has 2 MA's), (83, 14255), (Start: 88 @14273 has 2 MA's), (92, 14285), (122, 14414), (128, 14432),

Gene: MaryBeth_19 Start: 13882, Stop: 14277, Start Num: 64
Candidate Starts for MaryBeth_19:
(Start: 64 @13882 has 623 MA's), (Start: 67 @13888 has 2 MA's), (83, 13921), (Start: 88 @13939 has 2 MA's), (92, 13951), (122, 14080), (128, 14098),

Gene: MarysWell_16 Start: 12641, Stop: 13054, Start Num: 64
Candidate Starts for MarysWell_16:
(54, 12545), (Start: 64 @12641 has 623 MA's), (86, 12695), (95, 12725), (128, 12875),

Gene: Maverick_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Maverick_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Maxo_20 Start: 13567, Stop: 13959, Start Num: 65
Candidate Starts for Maxo_20:
(Start: 65 @13567 has 263 MA's), (124, 13771), (125, 13774), (126, 13777), (128, 13783), (130, 13801), (151, 13921), (152, 13924), (153, 13936), (156, 13951),

Gene: Mayonnaise_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Mayonnaise_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Mazhar510_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Mazhar510_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: McFly_24 Start: 14417, Stop: 14770, Start Num: 64

Candidate Starts for McFly_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: McGuire_20 Start: 13769, Stop: 14164, Start Num: 64
Candidate Starts for McGuire_20:
(Start: 64 @13769 has 623 MA's), (Start: 67 @13775 has 2 MA's), (83, 13808), (Start: 88 @13826 has 2 MA's), (92, 13838), (122, 13967), (128, 13985),

Gene: McSinger_20 Start: 14143, Stop: 14538, Start Num: 64
Candidate Starts for McSinger_20:
(Start: 64 @14143 has 623 MA's), (Start: 67 @14149 has 2 MA's), (83, 14182), (Start: 88 @14200 has 2 MA's), (92, 14212), (122, 14341), (128, 14359),

Gene: Medusa_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Medusa_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: MeeZee_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for MeeZee_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: MegTheThird_20 Start: 13246, Stop: 13581, Start Num: 64
Candidate Starts for MegTheThird_20:
(51, 13150), (56, 13165), (Start: 64 @13246 has 623 MA's), (122, 13432), (124, 13438), (127, 13447), (130, 13468),

Gene: Melvin_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Melvin_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: MetalQZJ_19 Start: 13882, Stop: 14277, Start Num: 64
Candidate Starts for MetalQZJ_19:
(Start: 64 @13882 has 623 MA's), (Start: 67 @13888 has 2 MA's), (83, 13921), (Start: 88 @13939 has 2 MA's), (92, 13951), (122, 14080), (128, 14098),

Gene: Methuselah_21 Start: 13748, Stop: 14107, Start Num: 65
Candidate Starts for Methuselah_21:
(Start: 65 @13748 has 263 MA's), (Start: 80 @13775 has 1 MA's), (115, 13925), (130, 13982), (134, 14015), (139, 14033),

Gene: Micasa_17 Start: 12642, Stop: 13055, Start Num: 64
Candidate Starts for Micasa_17:
(28, 12234), (54, 12546), (Start: 64 @12642 has 623 MA's), (86, 12696), (95, 12726), (128, 12876),

Gene: Michley_19 Start: 13629, Stop: 14024, Start Num: 64
Candidate Starts for Michley_19:
(Start: 64 @13629 has 623 MA's), (Start: 67 @13635 has 2 MA's), (83, 13668), (Start: 88 @13686 has 2 MA's), (92, 13698), (122, 13827), (128, 13845),

Gene: Microwolf_22 Start: 13666, Stop: 14025, Start Num: 65

Candidate Starts for Microwolf_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: MiculUcigas_21 Start: 14358, Stop: 14693, Start Num: 64
Candidate Starts for MiculUcigas_21:
(51, 14262), (56, 14277), (Start: 64 @14358 has 623 MA's), (127, 14559), (130, 14580), (150, 14682),

Gene: Midas2_17 Start: 12641, Stop: 13054, Start Num: 64
Candidate Starts for Midas2_17:
(28, 12233), (54, 12545), (Start: 64 @12641 has 623 MA's), (86, 12695), (95, 12725), (128, 12875),

Gene: Miko_24 Start: 15958, Stop: 16293, Start Num: 64
Candidate Starts for Miko_24:
(51, 15862), (56, 15877), (Start: 64 @15958 has 623 MA's),

Gene: Milcery_17 Start: 12678, Stop: 13091, Start Num: 64
Candidate Starts for Milcery_17:
(28, 12270), (54, 12582), (Start: 64 @12678 has 623 MA's), (86, 12732), (95, 12762), (128, 12912),

Gene: MilleFeuille_18 Start: 13206, Stop: 13601, Start Num: 64
Candidate Starts for MilleFeuille_18:
(Start: 64 @13206 has 623 MA's), (Start: 67 @13212 has 2 MA's), (83, 13245), (Start: 88 @13263 has 2 MA's), (92, 13275), (122, 13404), (128, 13422),

Gene: Millski_20 Start: 13572, Stop: 13964, Start Num: 65
Candidate Starts for Millski_20:
(Start: 65 @13572 has 263 MA's), (124, 13776), (125, 13779), (126, 13782), (128, 13788), (130, 13806), (151, 13926), (152, 13929), (153, 13941), (156, 13956),

Gene: MinecraftSteve_24 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for MinecraftSteve_24:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: Minispark_19 Start: 13146, Stop: 13535, Start Num: 64
Candidate Starts for Minispark_19:
(Start: 64 @13146 has 623 MA's), (115, 13317), (130, 13377),

Gene: Miramae_20 Start: 13523, Stop: 13915, Start Num: 65
Candidate Starts for Miramae_20:
(Start: 65 @13523 has 263 MA's), (68, 13532), (128, 13739), (130, 13757), (151, 13877), (153, 13892), (156, 13907),

Gene: Misomonster_24 Start: 13748, Stop: 14107, Start Num: 65
Candidate Starts for Misomonster_24:
(Start: 65 @13748 has 263 MA's), (Start: 80 @13775 has 1 MA's), (115, 13925), (130, 13982), (134, 14015), (139, 14033),

Gene: MissWhite_21 Start: 13390, Stop: 13743, Start Num: 64
Candidate Starts for MissWhite_21:
(6, 12841), (14, 12901), (17, 12922), (20, 12931), (35, 13057), (51, 13294), (56, 13309), (Start: 64 @13390 has 623 MA's), (94, 13462), (131, 13618),

Gene: Mkhuseli_20 Start: 13783, Stop: 14178, Start Num: 64
Candidate Starts for Mkhuseli_20:
(Start: 64 @13783 has 623 MA's), (Start: 67 @13789 has 2 MA's), (83, 13822), (Start: 88 @13840 has 2 MA's), (92, 13852), (122, 13981), (128, 13999),

Gene: Molly_20 Start: 13490, Stop: 13885, Start Num: 64
Candidate Starts for Molly_20:
(Start: 64 @13490 has 623 MA's), (Start: 67 @13496 has 2 MA's), (83, 13529), (Start: 88 @13547 has 2 MA's), (92, 13559), (122, 13688), (128, 13706),

Gene: Monet_21 Start: 14985, Stop: 15380, Start Num: 64
Candidate Starts for Monet_21:
(Start: 64 @14985 has 623 MA's), (Start: 67 @14991 has 2 MA's), (83, 15024), (Start: 88 @15042 has 2 MA's), (92, 15054), (122, 15183), (128, 15201),

Gene: MoneyMay_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for MoneyMay_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Montavir_21 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for Montavir_21:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Moose_18 Start: 13726, Stop: 14121, Start Num: 64
Candidate Starts for Moose_18:
(Start: 64 @13726 has 623 MA's), (Start: 67 @13732 has 2 MA's), (83, 13765), (Start: 88 @13783 has 2 MA's), (92, 13795), (122, 13924), (128, 13942),

Gene: Morpher26_20 Start: 13577, Stop: 13969, Start Num: 65
Candidate Starts for Morpher26_20:
(Start: 65 @13577 has 263 MA's), (83, 13616), (128, 13793), (153, 13946), (156, 13961),

Gene: Morrow_20 Start: 13572, Stop: 13964, Start Num: 65
Candidate Starts for Morrow_20:
(Start: 65 @13572 has 263 MA's), (124, 13776), (125, 13779), (126, 13782), (128, 13788), (130, 13806), (151, 13926), (152, 13929), (153, 13941), (156, 13956),

Gene: MrGordo_19 Start: 13442, Stop: 13837, Start Num: 64
Candidate Starts for MrGordo_19:
(Start: 64 @13442 has 623 MA's), (Start: 67 @13448 has 2 MA's), (83, 13481), (Start: 88 @13499 has 2 MA's), (92, 13511), (122, 13640), (128, 13658),

Gene: Mryolo_18 Start: 13476, Stop: 13871, Start Num: 64
Candidate Starts for Mryolo_18:
(Start: 64 @13476 has 623 MA's), (Start: 67 @13482 has 2 MA's), (83, 13515), (Start: 88 @13533 has 2 MA's), (92, 13545), (122, 13674), (128, 13692),

Gene: MuchMore_24 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for MuchMore_24:

(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: Mulciber_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Mulciber_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Mule_19 Start: 13764, Stop: 14159, Start Num: 64
Candidate Starts for Mule_19:
(Start: 64 @13764 has 623 MA's), (Start: 67 @13770 has 2 MA's), (83, 13803), (Start: 88 @13821 has 2 MA's), (92, 13833), (122, 13962), (128, 13980),

Gene: Munch_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Munch_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Mundrea_20 Start: 13543, Stop: 13935, Start Num: 65
Candidate Starts for Mundrea_20:
(Start: 65 @13543 has 263 MA's), (128, 13759), (151, 13897), (153, 13912), (156, 13927),

Gene: Museum_21 Start: 13783, Stop: 14178, Start Num: 64
Candidate Starts for Museum_21:
(Start: 64 @13783 has 623 MA's), (Start: 67 @13789 has 2 MA's), (83, 13822), (Start: 88 @13840 has 2 MA's), (92, 13852), (122, 13981), (128, 13999),

Gene: MyraDee_18 Start: 11803, Stop: 12120, Start Num: 64
Candidate Starts for MyraDee_18:
(24, 11362), (50, 11689), (Start: 64 @11803 has 623 MA's), (91, 11842), (122, 11971), (133, 12031),

Gene: Myxus_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for Myxus_22:
(Start: 64 @15076 has 623 MA's), (130, 15307), (151, 15427),

Gene: NEHalo_19 Start: 13512, Stop: 13907, Start Num: 64
Candidate Starts for NEHalo_19:
(Start: 64 @13512 has 623 MA's), (Start: 67 @13518 has 2 MA's), (83, 13551), (Start: 88 @13569 has 2 MA's), (92, 13581), (122, 13710), (128, 13728),

Gene: NaSiaTalie_21 Start: 14355, Stop: 14690, Start Num: 64
Candidate Starts for NaSiaTalie_21:
(51, 14259), (56, 14274), (Start: 64 @14355 has 623 MA's), (127, 14556), (130, 14577), (150, 14679),

Gene: Nabi_13 Start: 9136, Stop: 9534, Start Num: 72
Candidate Starts for Nabi_13:
(3, 8557), (7, 8581), (56, 9022), (Start: 59 @9037 has 1 MA's), (61, 9052), (Start: 72 @9136 has 58 MA's), (87, 9199), (Start: 88 @9202 has 2 MA's), (113, 9310), (144, 9460), (155, 9520),

Gene: Naca_17 Start: 12595, Stop: 13008, Start Num: 64
Candidate Starts for Naca_17:
(54, 12499), (56, 12514), (Start: 64 @12595 has 623 MA's), (86, 12649), (125, 12820), (126, 12823), (128, 12829),

Gene: Naiad_16 Start: 9649, Stop: 9960, Start Num: 64

Candidate Starts for Naiad_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Naira_20 Start: 15264, Stop: 15659, Start Num: 64
Candidate Starts for Naira_20:
(Start: 64 @15264 has 623 MA's), (Start: 67 @15270 has 2 MA's), (83, 15303), (Start: 88 @15321 has 2 MA's), (92, 15333), (122, 15462), (128, 15480),

Gene: Naji_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for Naji_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: Nancinator_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Nancinator_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Nanodon_15 Start: 9338, Stop: 9736, Start Num: 72
Candidate Starts for Nanodon_15:
(56, 9224), (Start: 59 @9239 has 1 MA's), (61, 9254), (Start: 72 @9338 has 58 MA's), (Start: 88 @9404 has 2 MA's), (89, 9407), (113, 9512), (144, 9662), (155, 9722),

Gene: Natosaleda_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Natosaleda_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: NearlyHeadless_17 Start: 12268, Stop: 12636, Start Num: 64
Candidate Starts for NearlyHeadless_17:
(49, 12160), (55, 12187), (Start: 64 @12268 has 623 MA's), (90, 12310), (110, 12394),

Gene: Nebs_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Nebs_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Nebulosus_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for Nebulosus_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Nedarya_22 Start: 14082, Stop: 14450, Start Num: 76
Candidate Starts for Nedarya_22:
(46, 13800), (58, 13938), (Start: 76 @14082 has 1 MA's), (Start: 80 @14112 has 1 MA's), (82, 14121), (119, 14274), (126, 14295), (130, 14319),

Gene: Neeharika16_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for Neeharika16_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Nemo27_20 Start: 13568, Stop: 13960, Start Num: 65
Candidate Starts for Nemo27_20:

(Start: 65 @13568 has 263 MA's), (124, 13772), (125, 13775), (126, 13778), (128, 13784), (130, 13802), (151, 13922), (152, 13925), (153, 13937), (156, 13952),

Gene: Nerdos_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Nerdos_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: Nerujay_20 Start: 14188, Stop: 14583, Start Num: 64
Candidate Starts for Nerujay_20:
(Start: 64 @14188 has 623 MA's), (Start: 67 @14194 has 2 MA's), (83, 14227), (Start: 88 @14245 has 2 MA's), (92, 14257), (122, 14386), (128, 14404),

Gene: Newrala_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for Newrala_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: Nhonho_19 Start: 13941, Stop: 14336, Start Num: 64
Candidate Starts for Nhonho_19:
(Start: 64 @13941 has 623 MA's), (Start: 67 @13947 has 2 MA's), (83, 13980), (Start: 88 @13998 has 2 MA's), (92, 14010), (122, 14139), (128, 14157),

Gene: NicoleTera_25 Start: 16066, Stop: 16401, Start Num: 64
Candidate Starts for NicoleTera_25:
(35, 15733), (51, 15970), (56, 15985), (Start: 64 @16066 has 623 MA's), (82, 16096), (130, 16288),

Gene: Nishikigoi_13 Start: 8974, Stop: 9435, Start Num: 73
Candidate Starts for Nishikigoi_13:
(48, 8752), (56, 8857), (Start: 73 @8974 has 46 MA's), (Start: 80 @9010 has 1 MA's), (Start: 88 @9040 has 2 MA's), (136, 9256), (140, 9280), (144, 9304),

Gene: Niza_21 Start: 14799, Stop: 15194, Start Num: 64
Candidate Starts for Niza_21:
(Start: 64 @14799 has 623 MA's), (Start: 67 @14805 has 2 MA's), (83, 14838), (Start: 88 @14856 has 2 MA's), (92, 14868), (122, 14997), (128, 15015),

Gene: Noella_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Noella_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Noelle_20 Start: 13629, Stop: 14021, Start Num: 65
Candidate Starts for Noelle_20:
(Start: 65 @13629 has 263 MA's), (68, 13638), (128, 13845), (130, 13863), (151, 13983), (153, 13998), (156, 14013),

Gene: Norbert_20 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Norbert_20:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: NorthStar_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for NorthStar_20:

(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Northrop_20 Start: 13565, Stop: 13957, Start Num: 65
Candidate Starts for Northrop_20:
(Start: 65 @13565 has 263 MA's), (124, 13769), (125, 13772), (126, 13775), (128, 13781), (130, 13799), (151, 13919), (152, 13922), (153, 13934), (156, 13949),

Gene: Norz_21 Start: 14435, Stop: 14830, Start Num: 64
Candidate Starts for Norz_21:
(Start: 64 @14435 has 623 MA's), (Start: 67 @14441 has 2 MA's), (Start: 80 @14462 has 1 MA's), (83, 14474), (Start: 88 @14492 has 2 MA's), (92, 14504), (122, 14633), (128, 14651),

Gene: NotAPhaseMom_20 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for NotAPhaseMom_20:
(Start: 65 @13573 has 263 MA's), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (152, 13930), (153, 13942), (156, 13957),

Gene: NothingSpecial_23 Start: 16325, Stop: 16660, Start Num: 64
Candidate Starts for NothingSpecial_23:
(51, 16229), (56, 16244), (Start: 64 @16325 has 623 MA's),

Gene: Noxious_21 Start: 14750, Stop: 15145, Start Num: 64
Candidate Starts for Noxious_21:
(Start: 64 @14750 has 623 MA's), (Start: 67 @14756 has 2 MA's), (83, 14789), (Start: 88 @14807 has 2 MA's), (92, 14819), (122, 14948), (128, 14966),

Gene: Nyxis_20 Start: 13512, Stop: 13904, Start Num: 65
Candidate Starts for Nyxis_20:
(Start: 65 @13512 has 263 MA's), (124, 13716), (125, 13719), (126, 13722), (128, 13728), (130, 13746), (151, 13866), (152, 13869), (153, 13881), (156, 13896),

Gene: OKCentral2016_20 Start: 13049, Stop: 13441, Start Num: 65
Candidate Starts for OKCentral2016_20:
(Start: 65 @13049 has 263 MA's), (78, 13073), (119, 13238), (128, 13265), (153, 13418), (156, 13433),

Gene: OKaNui_21 Start: 13622, Stop: 14014, Start Num: 65
Candidate Starts for OKaNui_21:
(Start: 65 @13622 has 263 MA's), (124, 13826), (125, 13829), (126, 13832), (128, 13838), (130, 13856), (151, 13976), (152, 13979), (153, 13991), (156, 14006),

Gene: Obama12_21 Start: 13883, Stop: 14275, Start Num: 65
Candidate Starts for Obama12_21:
(Start: 65 @13883 has 263 MA's), (68, 13892), (124, 14087), (125, 14090), (126, 14093), (128, 14099), (130, 14117), (151, 14237), (153, 14252), (156, 14267),

Gene: Odin_20 Start: 13097, Stop: 13432, Start Num: 64
Candidate Starts for Odin_20:
(51, 13001), (56, 13016), (Start: 64 @13097 has 623 MA's), (122, 13283), (130, 13319), (134, 13352), (151, 13427),

Gene: Ohfah_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Ohfah_20:

(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Ohno789_19 Start: 13582, Stop: 13977, Start Num: 64
Candidate Starts for Ohno789_19:
(Start: 64 @13582 has 623 MA's), (Start: 67 @13588 has 2 MA's), (83, 13621), (Start: 88 @13639 has 2 MA's), (92, 13651), (122, 13780), (128, 13798),

Gene: OlanP_22 Start: 13919, Stop: 14278, Start Num: 65
Candidate Starts for OlanP_22:
(Start: 65 @13919 has 263 MA's), (Start: 80 @13946 has 1 MA's), (115, 14096), (130, 14153), (134, 14186), (139, 14204),

Gene: Oliynyk_14 Start: 9342, Stop: 9740, Start Num: 72
Candidate Starts for Oliynyk_14:
(3, 8763), (9, 8799), (56, 9228), (Start: 59 @9243 has 1 MA's), (61, 9258), (Start: 72 @9342 has 58 MA's), (Start: 88 @9408 has 2 MA's), (100, 9447), (113, 9519), (122, 9546), (123, 9549), (144, 9666), (155, 9726),

Gene: Ollie_22 Start: 13536, Stop: 13895, Start Num: 65
Candidate Starts for Ollie_22:
(Start: 65 @13536 has 263 MA's), (Start: 80 @13563 has 1 MA's), (115, 13713), (130, 13770), (139, 13821),

Gene: Omar_14 Start: 9208, Stop: 9669, Start Num: 73
Candidate Starts for Omar_14:
(32, 8782), (33, 8785), (43, 8857), (48, 8986), (56, 9091), (61, 9121), (Start: 73 @9208 has 46 MA's), (85, 9265), (Start: 88 @9274 has 2 MA's), (100, 9313), (122, 9397), (136, 9490), (144, 9538),

Gene: Onglai_21 Start: 13410, Stop: 13799, Start Num: 64
Candidate Starts for Onglai_21:
(Start: 64 @13410 has 623 MA's), (130, 13641),

Gene: Oofda_23 Start: 13387, Stop: 13755, Start Num: 64
Candidate Starts for Oofda_23:
(Start: 64 @13387 has 623 MA's), (Start: 80 @13417 has 1 MA's), (82, 13426), (92, 13459), (115, 13567), (119, 13579), (130, 13624), (134, 13657),

Gene: Oogway_18 Start: 13694, Stop: 14089, Start Num: 64
Candidate Starts for Oogway_18:
(Start: 64 @13694 has 623 MA's), (Start: 67 @13700 has 2 MA's), (83, 13733), (Start: 88 @13751 has 2 MA's), (92, 13763), (122, 13892), (128, 13910),

Gene: Orange_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Orange_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Ozzie_13 Start: 9159, Stop: 9557, Start Num: 72
Candidate Starts for Ozzie_13:
(3, 8580), (9, 8616), (56, 9045), (Start: 59 @9060 has 1 MA's), (61, 9075), (Start: 72 @9159 has 58 MA's), (Start: 88 @9225 has 2 MA's), (100, 9264), (113, 9336), (122, 9363), (123, 9366), (144, 9483), (155, 9543),

Gene: OzzyJ_14 Start: 9139, Stop: 9534, Start Num: 72
Candidate Starts for OzzyJ_14:
(3, 8560), (7, 8584), (15, 8647), (56, 9025), (61, 9055), (Start: 72 @9139 has 58 MA's), (Start: 88 @9205 has 2 MA's), (113, 9313), (123, 9343), (144, 9463), (155, 9520),

Gene: P28Green_22 Start: 13664, Stop: 14023, Start Num: 65
Candidate Starts for P28Green_22:
(Start: 65 @13664 has 263 MA's), (Start: 80 @13691 has 1 MA's), (115, 13841), (130, 13898), (134, 13931), (139, 13949), (148, 14012),

Gene: PGHhamlin_24 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for PGHhamlin_24:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: PP_30 Start: 19459, Stop: 19803, Start Num: 66
Candidate Starts for PP_30:
(Start: 66 @19459 has 5 MA's), (Start: 80 @19492 has 1 MA's), (Start: 88 @19522 has 2 MA's), (134, 19732), (149, 19798),

Gene: PSullivan_21 Start: 14192, Stop: 14587, Start Num: 64
Candidate Starts for PSullivan_21:
(54, 14096), (Start: 64 @14192 has 623 MA's), (Start: 67 @14198 has 2 MA's), (83, 14231), (Start: 88 @14249 has 2 MA's), (92, 14261), (122, 14390), (128, 14408),

Gene: Pablito_13 Start: 9034, Stop: 9405, Start Num: 73
Candidate Starts for Pablito_13:
(61, 8947), (Start: 73 @9034 has 46 MA's), (74, 9043), (98, 9118), (122, 9208), (144, 9331), (155, 9391),

Gene: PacerPaul_19 Start: 13959, Stop: 14354, Start Num: 64
Candidate Starts for PacerPaul_19:
(54, 13863), (Start: 64 @13959 has 623 MA's), (Start: 67 @13965 has 2 MA's), (83, 13998), (Start: 88 @14016 has 2 MA's), (92, 14028), (122, 14157), (128, 14175),

Gene: PackMan_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for PackMan_22:
(Start: 64 @15076 has 623 MA's), (130, 15307), (151, 15427),

Gene: Paedore_13 Start: 9152, Stop: 9547, Start Num: 88
Candidate Starts for Paedore_13:
(Start: 73 @9086 has 46 MA's), (Start: 80 @9122 has 1 MA's), (Start: 88 @9152 has 2 MA's), (113, 9248), (122, 9275), (144, 9425), (154, 9482),

Gene: PainterBoy_22 Start: 14468, Stop: 14806, Start Num: 64
Candidate Starts for PainterBoy_22:
(Start: 64 @14468 has 623 MA's), (122, 14654), (127, 14669), (130, 14690),

Gene: Palestino_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Palestino_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Panamaxus_20 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Panamaxus_20:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Paolo_15 Start: 9577, Stop: 10047, Start Num: 70
Candidate Starts for Paolo_15:
(41, 9226), (48, 9361), (Start: 70 @9577 has 5 MA's), (Start: 73 @9580 has 46 MA's), (Start: 80 @9637 has 1 MA's), (92, 9679), (103, 9727), (113, 9763), (122, 9790), (144, 9931), (154, 9988),

Gene: Papez_21 Start: 15411, Stop: 15806, Start Num: 64
Candidate Starts for Papez_21:
(Start: 64 @15411 has 623 MA's), (Start: 67 @15417 has 2 MA's), (83, 15450), (Start: 88 @15468 has 2 MA's), (92, 15480), (122, 15609), (128, 15627),

Gene: Paphu_18 Start: 13148, Stop: 13543, Start Num: 64
Candidate Starts for Paphu_18:
(Start: 64 @13148 has 623 MA's), (Start: 67 @13154 has 2 MA's), (83, 13187), (Start: 88 @13205 has 2 MA's), (92, 13217), (122, 13346), (128, 13364),

Gene: Paraselene_18 Start: 13464, Stop: 13859, Start Num: 64
Candidate Starts for Paraselene_18:
(Start: 64 @13464 has 623 MA's), (Start: 67 @13470 has 2 MA's), (83, 13503), (Start: 88 @13521 has 2 MA's), (92, 13533), (122, 13662), (128, 13680),

Gene: Pari_20 Start: 13939, Stop: 14334, Start Num: 64
Candidate Starts for Pari_20:
(Start: 64 @13939 has 623 MA's), (Start: 67 @13945 has 2 MA's), (83, 13978), (Start: 88 @13996 has 2 MA's), (92, 14008), (122, 14137), (128, 14155),

Gene: Parliament_18 Start: 13828, Stop: 14223, Start Num: 64
Candidate Starts for Parliament_18:
(Start: 64 @13828 has 623 MA's), (Start: 67 @13834 has 2 MA's), (83, 13867), (Start: 88 @13885 has 2 MA's), (92, 13897), (122, 14026), (128, 14044),

Gene: Partridge_16 Start: 9676, Stop: 9987, Start Num: 64
Candidate Starts for Partridge_16:
(Start: 64 @9676 has 623 MA's), (79, 9682), (96, 9736), (110, 9799), (126, 9859), (129, 9868),

Gene: PascalRango_18 Start: 13383, Stop: 13778, Start Num: 64
Candidate Starts for PascalRango_18:
(Start: 64 @13383 has 623 MA's), (Start: 67 @13389 has 2 MA's), (83, 13422), (Start: 88 @13440 has 2 MA's), (92, 13452), (122, 13581), (128, 13599),

Gene: PattyP_21 Start: 13992, Stop: 14387, Start Num: 64
Candidate Starts for PattyP_21:
(Start: 64 @13992 has 623 MA's), (Start: 67 @13998 has 2 MA's), (83, 14031), (Start: 88 @14049 has 2 MA's), (92, 14061), (122, 14190), (128, 14208),

Gene: Pavo_14 Start: 9233, Stop: 9616, Start Num: 73
Candidate Starts for Pavo_14:
(61, 9146), (Start: 70 @9227 has 5 MA's), (Start: 73 @9233 has 46 MA's), (100, 9338), (122, 9422), (140, 9518), (142, 9527), (155, 9602),

Gene: Pawn_22 Start: 13739, Stop: 14098, Start Num: 65
Candidate Starts for Pawn_22:
(Start: 65 @13739 has 263 MA's), (Start: 80 @13766 has 1 MA's), (115, 13916), (130, 13973), (134, 14006), (139, 14024),

Gene: Payneful_19 Start: 13278, Stop: 13673, Start Num: 64
Candidate Starts for Payneful_19:
(Start: 64 @13278 has 623 MA's), (Start: 67 @13284 has 2 MA's), (83, 13317), (Start: 88 @13335 has 2 MA's), (92, 13347), (122, 13476), (128, 13494),

Gene: PeaceMeal1_19 Start: 11448, Stop: 11840, Start Num: 65
Candidate Starts for PeaceMeal1_19:
(Start: 65 @11448 has 263 MA's), (Start: 88 @11505 has 2 MA's), (128, 11664), (153, 11817), (156, 11832),

Gene: Peaches_20 Start: 13568, Stop: 13960, Start Num: 65
Candidate Starts for Peaches_20:
(Start: 65 @13568 has 263 MA's), (124, 13772), (125, 13775), (126, 13778), (128, 13784), (130, 13802), (151, 13922), (152, 13925), (153, 13937), (156, 13952),

Gene: Pelly_20 Start: 14228, Stop: 14623, Start Num: 64
Candidate Starts for Pelly_20:
(Start: 64 @14228 has 623 MA's), (Start: 67 @14234 has 2 MA's), (83, 14267), (Start: 88 @14285 has 2 MA's), (92, 14297), (122, 14426), (128, 14444),

Gene: Pembroke_22 Start: 13666, Stop: 14025, Start Num: 65
Candidate Starts for Pembroke_22:
(Start: 65 @13666 has 263 MA's), (Start: 80 @13693 has 1 MA's), (115, 13843), (130, 13900), (134, 13933), (139, 13951),

Gene: Penny1_22 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for Penny1_22:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Pepe_20 Start: 14183, Stop: 14578, Start Num: 64
Candidate Starts for Pepe_20:
(54, 14087), (Start: 64 @14183 has 623 MA's), (Start: 67 @14189 has 2 MA's), (83, 14222), (Start: 88 @14240 has 2 MA's), (92, 14252), (122, 14381), (128, 14399),

Gene: Perplexer_20 Start: 13571, Stop: 13963, Start Num: 65
Candidate Starts for Perplexer_20:
(Start: 65 @13571 has 263 MA's), (83, 13610), (128, 13787), (153, 13940), (156, 13955),

Gene: Perseus_20 Start: 13847, Stop: 14242, Start Num: 64
Candidate Starts for Perseus_20:
(Start: 64 @13847 has 623 MA's), (Start: 67 @13853 has 2 MA's), (83, 13886), (Start: 88 @13904 has 2 MA's), (92, 13916), (122, 14045), (128, 14063),

Gene: PeterPeter_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for PeterPeter_20:

(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Petersenfast_21 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Petersenfast_21:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: Peterson_22 Start: 15438, Stop: 15833, Start Num: 64
Candidate Starts for Peterson_22:
(Start: 64 @15438 has 623 MA's), (Start: 67 @15444 has 2 MA's), (83, 15477), (Start: 88 @15495 has 2 MA's), (92, 15507), (122, 15636), (128, 15654),

Gene: PetiteSangsue_20 Start: 13577, Stop: 13969, Start Num: 65
Candidate Starts for PetiteSangsue_20:
(Start: 65 @13577 has 263 MA's), (83, 13616), (128, 13793), (153, 13946), (156, 13961),

Gene: Petp2012_21 Start: 14660, Stop: 15055, Start Num: 64
Candidate Starts for Petp2012_21:
(Start: 64 @14660 has 623 MA's), (Start: 67 @14666 has 2 MA's), (83, 14699), (Start: 88 @14717 has 2 MA's), (92, 14729), (122, 14858), (128, 14876),

Gene: Petruchio_19 Start: 13689, Stop: 14084, Start Num: 64
Candidate Starts for Petruchio_19:
(Start: 64 @13689 has 623 MA's), (Start: 67 @13695 has 2 MA's), (83, 13728), (Start: 88 @13746 has 2 MA's), (92, 13758), (122, 13887), (128, 13905),

Gene: PetterN_18 Start: 12482, Stop: 12895, Start Num: 64
Candidate Starts for PetterN_18:
(54, 12386), (56, 12401), (Start: 64 @12482 has 623 MA's), (86, 12536), (125, 12707), (126, 12710), (128, 12716),

Gene: Ph8s_22 Start: 13056, Stop: 13391, Start Num: 64
Candidate Starts for Ph8s_22:
(51, 12960), (56, 12975), (Start: 64 @13056 has 623 MA's), (92, 13119), (98, 13140), (122, 13242), (130, 13278), (134, 13311), (151, 13386),

Gene: Phacado_20 Start: 13568, Stop: 13960, Start Num: 65
Candidate Starts for Phacado_20:
(Start: 65 @13568 has 263 MA's), (124, 13772), (125, 13775), (126, 13778), (128, 13784), (130, 13802), (151, 13922), (152, 13925), (153, 13937), (156, 13952),

Gene: Phaded_24 Start: 16394, Stop: 16750, Start Num: 64
Candidate Starts for Phaded_24:
(51, 16298), (56, 16313), (Start: 64 @16394 has 623 MA's), (92, 16457), (97, 16475), (122, 16580), (130, 16616), (134, 16649),

Gene: Phaeder_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for Phaeder_22:
(Start: 64 @15076 has 623 MA's), (130, 15307), (151, 15427),

Gene: PhailMary_15 Start: 9659, Stop: 9970, Start Num: 64
Candidate Starts for PhailMary_15:
(Start: 64 @9659 has 623 MA's), (79, 9665), (110, 9782), (122, 9830), (126, 9842), (130, 9866),

Gene: Phantastic_20 Start: 13173, Stop: 13514, Start Num: 64
Candidate Starts for Phantastic_20:
(22, 12714), (26, 12729), (38, 12828), (54, 13077), (56, 13092), (Start: 64 @13173 has 623 MA's), (115, 13350), (122, 13371), (130, 13407), (134, 13440), (149, 13506),

Gene: Pharaoh_21 Start: 14832, Stop: 15218, Start Num: 64
Candidate Starts for Pharaoh_21:
(54, 14736), (56, 14751), (Start: 64 @14832 has 623 MA's), (130, 15060), (151, 15180),

Gene: Phelipe_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Phelipe_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: PherrisBueller_20 Start: 13612, Stop: 14007, Start Num: 64
Candidate Starts for PherrisBueller_20:
(54, 13516), (Start: 64 @13612 has 623 MA's), (Start: 67 @13618 has 2 MA's), (83, 13651), (Start: 88 @13669 has 2 MA's), (92, 13681), (122, 13810), (128, 13828),

Gene: Phettuccine_13 Start: 9179, Stop: 9577, Start Num: 72
Candidate Starts for Phettuccine_13:
(3, 8600), (9, 8636), (56, 9065), (Start: 59 @9080 has 1 MA's), (61, 9095), (Start: 72 @9179 has 58 MA's), (100, 9284), (113, 9356), (122, 9383), (123, 9386), (144, 9503), (155, 9563),

Gene: Phighter1804_20 Start: 13547, Stop: 13939, Start Num: 65
Candidate Starts for Phighter1804_20:
(Start: 65 @13547 has 263 MA's), (68, 13556), (124, 13751), (125, 13754), (126, 13757), (128, 13763), (130, 13781), (151, 13901), (153, 13916), (156, 13931),

Gene: Phillis_17 Start: 12226, Stop: 12594, Start Num: 64
Candidate Starts for Phillis_17:
(42, 11938), (49, 12118), (55, 12145), (Start: 64 @12226 has 623 MA's), (90, 12268), (107, 12346), (110, 12352), (145, 12517),

Gene: PhineBark_18 Start: 14503, Stop: 14898, Start Num: 64
Candidate Starts for PhineBark_18:
(Start: 64 @14503 has 623 MA's), (Start: 67 @14509 has 2 MA's), (83, 14542), (Start: 88 @14560 has 2 MA's), (92, 14572), (122, 14701), (128, 14719),

Gene: PhishRPhriends_21 Start: 12924, Stop: 13283, Start Num: 65
Candidate Starts for PhishRPhriends_21:
(Start: 65 @12924 has 263 MA's), (Start: 80 @12951 has 1 MA's), (115, 13101), (130, 13158), (134, 13191), (139, 13209),

Gene: Phlei_16 Start: 14907, Stop: 15233, Start Num: 64
Candidate Starts for Phlei_16:
(63, 14904), (Start: 64 @14907 has 623 MA's), (122, 15096), (130, 15132), (131, 15138),

Gene: Phlippers_18 Start: 14683, Stop: 15078, Start Num: 64
Candidate Starts for Phlippers_18:
(Start: 64 @14683 has 623 MA's), (Start: 67 @14689 has 2 MA's), (83, 14722), (Start: 88 @14740 has 2 MA's), (92, 14752), (122, 14881), (128, 14899),

Gene: Phlorence_17 Start: 12778, Stop: 13191, Start Num: 64
Candidate Starts for Phlorence_17:
(22, 12322), (54, 12682), (Start: 64 @12778 has 623 MA's), (86, 12832), (128, 13012),

Gene: Phoebe_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Phoebe_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Phonnegut_22 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for Phonnegut_22:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: Phontbonne_20 Start: 13513, Stop: 13905, Start Num: 65
Candidate Starts for Phontbonne_20:
(Start: 65 @13513 has 263 MA's), (124, 13717), (125, 13720), (126, 13723), (128, 13729), (130, 13747), (153, 13882), (156, 13897),

Gene: Phoxy_22 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for Phoxy_22:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: Phrankenstein_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Phrankenstein_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Phranny_23 Start: 13731, Stop: 14090, Start Num: 65
Candidate Starts for Phranny_23:
(Start: 65 @13731 has 263 MA's), (Start: 80 @13758 has 1 MA's), (115, 13908), (130, 13965), (134, 13998), (139, 14016),

Gene: PhrostyMug_19 Start: 13761, Stop: 14156, Start Num: 64
Candidate Starts for PhrostyMug_19:
(Start: 64 @13761 has 623 MA's), (Start: 67 @13767 has 2 MA's), (83, 13800), (Start: 88 @13818 has 2 MA's), (92, 13830), (122, 13959), (128, 13977),

Gene: PickleBack_17 Start: 12492, Stop: 12905, Start Num: 64
Candidate Starts for PickleBack_17:
(22, 12036), (54, 12396), (Start: 64 @12492 has 623 MA's), (86, 12546), (128, 12726),

Gene: PinkPlastic_18 Start: 13526, Stop: 13921, Start Num: 64
Candidate Starts for PinkPlastic_18:
(Start: 64 @13526 has 623 MA's), (Start: 67 @13532 has 2 MA's), (83, 13565), (Start: 88 @13583 has 2 MA's), (92, 13595), (122, 13724), (128, 13742),

Gene: Pinto_21 Start: 13843, Stop: 14238, Start Num: 64
Candidate Starts for Pinto_21:
(Start: 64 @13843 has 623 MA's), (Start: 67 @13849 has 2 MA's), (83, 13882), (Start: 88 @13900 has 2 MA's), (92, 13912), (122, 14041), (128, 14059),

Gene: Pioneer_22 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for Pioneer_22:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: Pipcraft_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Pipcraft_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Pippin_21 Start: 14095, Stop: 14490, Start Num: 64
Candidate Starts for Pippin_21:
(Start: 64 @14095 has 623 MA's), (Start: 67 @14101 has 2 MA's), (83, 14134), (Start: 88 @14152 has 2 MA's), (92, 14164), (122, 14293), (128, 14311),

Gene: Piro94_22 Start: 14816, Stop: 15151, Start Num: 64
Candidate Starts for Piro94_22:
(51, 14720), (56, 14735), (Start: 64 @14816 has 623 MA's), (127, 15017), (130, 15038), (150, 15140),

Gene: Pistachio_21 Start: 12754, Stop: 13095, Start Num: 64
Candidate Starts for Pistachio_21:
(54, 12658), (56, 12673), (Start: 64 @12754 has 623 MA's), (Start: 88 @12811 has 2 MA's), (102, 12868), (115, 12931), (122, 12952), (130, 12988), (134, 13021), (149, 13087),

Gene: Pita2_21 Start: 14192, Stop: 14587, Start Num: 64
Candidate Starts for Pita2_21:
(54, 14096), (Start: 64 @14192 has 623 MA's), (Start: 67 @14198 has 2 MA's), (83, 14231), (Start: 88 @14249 has 2 MA's), (92, 14261), (122, 14390), (128, 14408),

Gene: Pmask_24 Start: 14409, Stop: 14762, Start Num: 64
Candidate Starts for Pmask_24:
(Start: 64 @14409 has 623 MA's), (102, 14517), (124, 14601),

Gene: Pocahontas_21 Start: 13744, Stop: 14085, Start Num: 65
Candidate Starts for Pocahontas_21:
(Start: 65 @13744 has 263 MA's), (85, 13792), (Start: 88 @13801 has 2 MA's), (102, 13858), (115, 13921), (122, 13942), (130, 13978), (134, 14011), (149, 14077),

Gene: Polymorphads_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Polymorphads_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Polyphemus_24 Start: 14410, Stop: 14763, Start Num: 64
Candidate Starts for Polyphemus_24:
(Start: 64 @14410 has 623 MA's), (102, 14518), (124, 14602),

Gene: Pomar16_24 Start: 14246, Stop: 14581, Start Num: 64
Candidate Starts for Pomar16_24:
(51, 14150), (56, 14165), (Start: 64 @14246 has 623 MA's), (122, 14432), (145, 14546),

Gene: Poompha_19 Start: 11446, Stop: 11838, Start Num: 65
Candidate Starts for Poompha_19:

(Start: 65 @11446 has 263 MA's), (Start: 88 @11503 has 2 MA's), (128, 11662), (153, 11815), (156, 11830),

Gene: Popcicle_21 Start: 13744, Stop: 14085, Start Num: 65
Candidate Starts for Popcicle_21:
(Start: 65 @13744 has 263 MA's), (85, 13792), (Start: 88 @13801 has 2 MA's), (102, 13858), (115, 13921), (122, 13942), (130, 13978), (134, 14011), (149, 14077),

Gene: PotatoSplit_23 Start: 13665, Stop: 14024, Start Num: 65
Candidate Starts for PotatoSplit_23:
(Start: 65 @13665 has 263 MA's), (Start: 80 @13692 has 1 MA's), (115, 13842), (130, 13899), (134, 13932), (139, 13950),

Gene: Power_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for Power_21:
(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: PowerRanger_19 Start: 14319, Stop: 14714, Start Num: 64
Candidate Starts for PowerRanger_19:
(Start: 64 @14319 has 623 MA's), (Start: 67 @14325 has 2 MA's), (83, 14358), (Start: 88 @14376 has 2 MA's), (122, 14517), (128, 14535),

Gene: Priamo_24 Start: 14436, Stop: 14789, Start Num: 64
Candidate Starts for Priamo_24:
(Start: 64 @14436 has 623 MA's), (102, 14544), (124, 14628),

Gene: Prinashe11_17 Start: 12641, Stop: 13054, Start Num: 64
Candidate Starts for Prinashe11_17:
(28, 12233), (54, 12545), (Start: 64 @12641 has 623 MA's), (86, 12695), (95, 12725), (128, 12875),

Gene: Priya_22 Start: 15107, Stop: 15496, Start Num: 64
Candidate Starts for Priya_22:
(Start: 64 @15107 has 623 MA's), (130, 15338), (151, 15458),

Gene: ProMouse_20 Start: 14168, Stop: 14563, Start Num: 64
Candidate Starts for ProMouse_20:
(54, 14072), (Start: 64 @14168 has 623 MA's), (Start: 67 @14174 has 2 MA's), (83, 14207), (Start: 88 @14225 has 2 MA's), (92, 14237), (122, 14366), (128, 14384),

Gene: Provolone_14 Start: 8963, Stop: 9346, Start Num: 73
Candidate Starts for Provolone_14:
(61, 8876), (Start: 70 @8957 has 5 MA's), (Start: 73 @8963 has 46 MA's), (100, 9068), (122, 9152), (140, 9248), (142, 9257), (155, 9332),

Gene: Prudy_24 Start: 16116, Stop: 16451, Start Num: 64
Candidate Starts for Prudy_24:
(51, 16020), (56, 16035), (Start: 64 @16116 has 623 MA's), (82, 16146), (130, 16338),

Gene: Puginator_15 Start: 9529, Stop: 10005, Start Num: 73
Candidate Starts for Puginator_15:
(Start: 73 @9529 has 46 MA's), (Start: 80 @9586 has 1 MA's), (92, 9628), (103, 9676), (113, 9712), (122, 9739), (140, 9865), (144, 9889), (154, 9946),

Gene: Pukovnik_23 Start: 15947, Stop: 16303, Start Num: 64
Candidate Starts for Pukovnik_23:
(51, 15851), (56, 15866), (Start: 64 @15947 has 623 MA's), (92, 16010), (97, 16028), (102, 16055), (122, 16133), (130, 16169), (134, 16202),

Gene: Pumbaa_20 Start: 13544, Stop: 13936, Start Num: 65
Candidate Starts for Pumbaa_20:
(Start: 65 @13544 has 263 MA's), (68, 13553), (124, 13748), (125, 13751), (126, 13754), (128, 13760), (130, 13778), (151, 13898), (152, 13901), (153, 13913), (156, 13928),

Gene: Puppet_19 Start: 13765, Stop: 14160, Start Num: 64
Candidate Starts for Puppet_19:
(Start: 64 @13765 has 623 MA's), (Start: 67 @13771 has 2 MA's), (83, 13804), (Start: 88 @13822 has 2 MA's), (92, 13834), (122, 13963), (128, 13981),

Gene: Puppy_21 Start: 12826, Stop: 13167, Start Num: 64
Candidate Starts for Puppy_21:
(54, 12730), (56, 12745), (Start: 64 @12826 has 623 MA's), (Start: 88 @12883 has 2 MA's), (102, 12940), (115, 13003), (122, 13024), (130, 13060), (134, 13093), (149, 13159),

Gene: PurpleHaze_22 Start: 13738, Stop: 14097, Start Num: 65
Candidate Starts for PurpleHaze_22:
(Start: 65 @13738 has 263 MA's), (Start: 80 @13765 has 1 MA's), (115, 13915), (130, 13972), (134, 14005), (139, 14023),

Gene: QTRlifeCrisis_19 Start: 14169, Stop: 14564, Start Num: 64
Candidate Starts for QTRlifeCrisis_19:
(Start: 64 @14169 has 623 MA's), (Start: 67 @14175 has 2 MA's), (83, 14208), (Start: 88 @14226 has 2 MA's), (92, 14238), (122, 14367), (128, 14385),

Gene: Qobbit_22 Start: 15106, Stop: 15495, Start Num: 64
Candidate Starts for Qobbit_22:
(Start: 64 @15106 has 623 MA's), (130, 15337),

Gene: QueenB2_21 Start: 14329, Stop: 14664, Start Num: 64
Candidate Starts for QueenB2_21:
(51, 14233), (56, 14248), (Start: 64 @14329 has 623 MA's), (82, 14359), (122, 14515), (130, 14551),

Gene: QueenBeesly_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for QueenBeesly_21:
(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: QuinnKiro_20 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for QuinnKiro_20:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Quokka_19 Start: 13229, Stop: 13564, Start Num: 64
Candidate Starts for Quokka_19:
(51, 13133), (56, 13148), (Start: 64 @13229 has 623 MA's),

Gene: R4_13 Start: 9060, Stop: 9527, Start Num: 73
Candidate Starts for R4_13:

(30, 8640), (40, 8700), (61, 8973), (Start: 73 @9060 has 46 MA's), (Start: 80 @9096 has 1 MA's), (113, 9222), (122, 9249), (144, 9405), (154, 9462),

Gene: RER2_9 Start: 6521, Stop: 6832, Start Num: 64
Candidate Starts for RER2_9:
(Start: 64 @6521 has 623 MA's), (79, 6527), (96, 6581), (110, 6644), (126, 6704), (130, 6728), (144, 6797),

Gene: RGL3_9 Start: 6491, Stop: 6799, Start Num: 79
Candidate Starts for RGL3_9:
(Start: 64 @6485 has 623 MA's), (79, 6491), (110, 6608), (122, 6656), (126, 6668),

Gene: Rachaly_24 Start: 15986, Stop: 16321, Start Num: 64
Candidate Starts for Rachaly_24:
(51, 15890), (56, 15905), (Start: 64 @15986 has 623 MA's),

Gene: Rahalelujah_20 Start: 13146, Stop: 13535, Start Num: 64
Candidate Starts for Rahalelujah_20:
(Start: 64 @13146 has 623 MA's), (115, 13317), (130, 13377),

Gene: Raid_19 Start: 13453, Stop: 13848, Start Num: 64
Candidate Starts for Raid_19:
(Start: 64 @13453 has 623 MA's), (Start: 67 @13459 has 2 MA's), (83, 13492), (Start: 88 @13510 has 2 MA's), (92, 13522), (122, 13651), (128, 13669),

Gene: Rajelicia_19 Start: 13977, Stop: 14372, Start Num: 64
Candidate Starts for Rajelicia_19:
(Start: 64 @13977 has 623 MA's), (Start: 67 @13983 has 2 MA's), (83, 14016), (Start: 88 @14034 has 2 MA's), (92, 14046), (122, 14175), (128, 14193),

Gene: Rana_13 Start: 9136, Stop: 9534, Start Num: 72
Candidate Starts for Rana_13:
(3, 8557), (7, 8581), (56, 9022), (Start: 59 @9037 has 1 MA's), (61, 9052), (Start: 72 @9136 has 58 MA's), (87, 9199), (Start: 88 @9202 has 2 MA's), (113, 9310), (144, 9460), (155, 9520),

Gene: Rasputin_16 Start: 9617, Stop: 9928, Start Num: 64
Candidate Starts for Rasputin_16:
(Start: 64 @9617 has 623 MA's), (79, 9623), (96, 9677), (110, 9740), (126, 9800), (129, 9809),

Gene: Ravana_23 Start: 13377, Stop: 13745, Start Num: 64
Candidate Starts for Ravana_23:
(Start: 64 @13377 has 623 MA's), (Start: 80 @13407 has 1 MA's), (82, 13416), (92, 13449), (115, 13557), (119, 13569), (130, 13614), (134, 13647),

Gene: ReMo_23 Start: 13416, Stop: 13784, Start Num: 64
Candidate Starts for ReMo_23:
(Start: 64 @13416 has 623 MA's), (Start: 80 @13446 has 1 MA's), (82, 13455), (92, 13488), (115, 13596), (119, 13608), (130, 13653), (134, 13686),

Gene: Reba_23 Start: 13404, Stop: 13763, Start Num: 65
Candidate Starts for Reba_23:
(Start: 65 @13404 has 263 MA's), (Start: 80 @13431 has 1 MA's), (115, 13581), (130, 13638), (134, 13671), (139, 13689),

Gene: Rebeuca_21 Start: 13531, Stop: 13923, Start Num: 65
Candidate Starts for Rebeuca_21:
(Start: 65 @13531 has 263 MA's), (78, 13555), (Start: 88 @13588 has 2 MA's), (119, 13720), (128, 13747), (153, 13900), (156, 13915),

Gene: RedBear_15 Start: 9418, Stop: 9816, Start Num: 72
Candidate Starts for RedBear_15:
(3, 8839), (7, 8863), (15, 8926), (56, 9304), (61, 9334), (Start: 72 @9418 has 58 MA's), (113, 9592), (123, 9622), (144, 9742), (155, 9802),

Gene: RedRock_24 Start: 16248, Stop: 16583, Start Num: 64
Candidate Starts for RedRock_24:
(5, 15699), (35, 15915), (51, 16152), (56, 16167), (Start: 64 @16248 has 623 MA's), (82, 16278), (122, 16434), (130, 16470),

Gene: Refuge_24 Start: 16634, Stop: 17020, Start Num: 64
Candidate Starts for Refuge_24:
(Start: 64 @16634 has 623 MA's), (115, 16805), (130, 16862), (151, 16982),

Gene: Relief_20 Start: 13567, Stop: 13959, Start Num: 65
Candidate Starts for Relief_20:
(Start: 65 @13567 has 263 MA's), (124, 13771), (125, 13774), (126, 13777), (128, 13783), (130, 13801), (151, 13921), (152, 13924), (153, 13936), (156, 13951),

Gene: Remus_23 Start: 13377, Stop: 13745, Start Num: 64
Candidate Starts for Remus_23:
(Start: 64 @13377 has 623 MA's), (Start: 80 @13407 has 1 MA's), (82, 13416), (92, 13449), (115, 13557), (119, 13569), (130, 13614), (134, 13647),

Gene: ResDef_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for ResDef_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Retro23_21 Start: 14402, Stop: 14737, Start Num: 64
Candidate Starts for Retro23_21:
(51, 14306), (56, 14321), (Start: 64 @14402 has 623 MA's), (82, 14432), (122, 14588), (130, 14624),

Gene: RexFury_16 Start: 9680, Stop: 9991, Start Num: 64
Candidate Starts for RexFury_16:
(Start: 64 @9680 has 623 MA's), (79, 9686), (96, 9740), (110, 9803), (126, 9863), (130, 9887),

Gene: Rhodalysa_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Rhodalysa_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: RhynO_21 Start: 13507, Stop: 13899, Start Num: 65
Candidate Starts for RhynO_21:
(Start: 65 @13507 has 263 MA's), (Start: 88 @13564 has 2 MA's), (119, 13696), (128, 13723), (148, 13849), (153, 13876), (156, 13891),

Gene: Rhynn_19 Start: 13770, Stop: 14165, Start Num: 64
Candidate Starts for Rhynn_19:
(Start: 64 @13770 has 623 MA's), (Start: 67 @13776 has 2 MA's), (83, 13809), (85, 13818), (Start: 88 @13827 has 2 MA's), (122, 13968),

Gene: RidgeCB_19 Start: 13544, Stop: 13939, Start Num: 64
Candidate Starts for RidgeCB_19:
(Start: 64 @13544 has 623 MA's), (Start: 67 @13550 has 2 MA's), (83, 13583), (Start: 88 @13601 has 2 MA's), (92, 13613), (122, 13742), (128, 13760),

Gene: Rifter_24 Start: 14384, Stop: 14737, Start Num: 64
Candidate Starts for Rifter_24:
(51, 14288), (56, 14303), (Start: 64 @14384 has 623 MA's), (102, 14492), (124, 14576),

Gene: Ringer_19 Start: 14028, Stop: 14423, Start Num: 64
Candidate Starts for Ringer_19:
(Start: 64 @14028 has 623 MA's), (Start: 67 @14034 has 2 MA's), (83, 14067), (Start: 88 @14085 has 2 MA's), (92, 14097), (122, 14226), (128, 14244),

Gene: Roary_17 Start: 12217, Stop: 12585, Start Num: 64
Candidate Starts for Roary_17:
(49, 12109), (55, 12136), (Start: 64 @12217 has 623 MA's), (91, 12262), (107, 12337), (110, 12343),

Gene: RockieBear_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for RockieBear_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Rocksand_20 Start: 13565, Stop: 13957, Start Num: 65
Candidate Starts for Rocksand_20:
(Start: 65 @13565 has 263 MA's), (124, 13769), (125, 13772), (126, 13775), (128, 13781), (130, 13799), (151, 13919), (152, 13922), (153, 13934), (156, 13949),

Gene: Rockstar_20 Start: 13100, Stop: 13441, Start Num: 64
Candidate Starts for Rockstar_20:
(54, 13004), (56, 13019), (Start: 64 @13100 has 623 MA's), (68, 13109), (102, 13214), (115, 13277), (130, 13334), (134, 13367), (149, 13433),

Gene: Rohr_20 Start: 13967, Stop: 14362, Start Num: 64
Candidate Starts for Rohr_20:
(Start: 64 @13967 has 623 MA's), (Start: 67 @13973 has 2 MA's), (83, 14006), (Start: 88 @14024 has 2 MA's), (92, 14036), (122, 14165), (128, 14183),

Gene: Roimos_20 Start: 13176, Stop: 13517, Start Num: 64
Candidate Starts for Roimos_20:
(54, 13080), (56, 13095), (Start: 64 @13176 has 623 MA's), (Start: 88 @13233 has 2 MA's), (102, 13290), (115, 13353), (122, 13374), (130, 13410), (134, 13443), (149, 13509),

Gene: Roksolana_24 Start: 14412, Stop: 14765, Start Num: 64
Candidate Starts for Roksolana_24:
(51, 14316), (56, 14331), (Start: 64 @14412 has 623 MA's), (102, 14520), (124, 14604),

Gene: Romney_20 Start: 13569, Stop: 13961, Start Num: 65

Candidate Starts for Romney_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Roosevelt_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Roosevelt_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Rosa24_19 Start: 13542, Stop: 13934, Start Num: 65
Candidate Starts for Rosa24_19:
(Start: 65 @13542 has 263 MA's), (68, 13551), (124, 13746), (125, 13749), (126, 13752), (128, 13758), (130, 13776), (151, 13896), (153, 13911), (156, 13926),

Gene: Rosalind_23 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for Rosalind_23:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: Rowdy_23 Start: 13418, Stop: 13810, Start Num: 65
Candidate Starts for Rowdy_23:
(Start: 65 @13418 has 263 MA's), (Start: 88 @13475 has 2 MA's), (119, 13607), (128, 13634), (148, 13760), (153, 13787), (156, 13802),

Gene: Rubeus_20 Start: 13802, Stop: 14197, Start Num: 64
Candidate Starts for Rubeus_20:
(Start: 64 @13802 has 623 MA's), (Start: 67 @13808 has 2 MA's), (83, 13841), (Start: 88 @13859 has 2 MA's), (92, 13871), (122, 14000), (128, 14018),

Gene: Rufus_20 Start: 14135, Stop: 14530, Start Num: 64
Candidate Starts for Rufus_20:
(Start: 64 @14135 has 623 MA's), (Start: 67 @14141 has 2 MA's), (83, 14174), (Start: 88 @14192 has 2 MA's), (92, 14204), (122, 14333), (128, 14351),

Gene: Ruin_20 Start: 13565, Stop: 13957, Start Num: 65
Candidate Starts for Ruin_20:
(Start: 65 @13565 has 263 MA's), (124, 13769), (125, 13772), (126, 13775), (128, 13781), (130, 13799), (151, 13919), (152, 13922), (153, 13934), (156, 13949),

Gene: Rummer_22 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for Rummer_22:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: Ruotula_18 Start: 13972, Stop: 14367, Start Num: 64
Candidate Starts for Ruotula_18:
(Start: 64 @13972 has 623 MA's), (Start: 67 @13978 has 2 MA's), (83, 14011), (85, 14020), (Start: 88 @14029 has 2 MA's), (122, 14170),

Gene: Rusticus_14 Start: 9342, Stop: 9740, Start Num: 72
Candidate Starts for Rusticus_14:
(3, 8763), (9, 8799), (56, 9228), (Start: 59 @9243 has 1 MA's), (61, 9258), (Start: 72 @9342 has 58 MA's), (Start: 88 @9408 has 2 MA's), (100, 9447), (113, 9519), (122, 9546), (123, 9549), (144, 9666),

(155, 9726),

Gene: Rutherferd_21 Start: 14315, Stop: 14710, Start Num: 64
Candidate Starts for Rutherferd_21:
(Start: 64 @14315 has 623 MA's), (Start: 67 @14321 has 2 MA's), (83, 14354), (Start: 88 @14372 has 2 MA's), (92, 14384), (122, 14513), (128, 14531),

Gene: RyeScarlet_22 Start: 15080, Stop: 15469, Start Num: 64
Candidate Starts for RyeScarlet_22:
(Start: 64 @15080 has 623 MA's), (130, 15311),

Gene: STLscum_20 Start: 14178, Stop: 14573, Start Num: 64
Candidate Starts for STLscum_20:
(Start: 64 @14178 has 623 MA's), (Start: 67 @14184 has 2 MA's), (83, 14217), (Start: 88 @14235 has 2 MA's), (92, 14247), (122, 14376), (128, 14394),

Gene: Sabertooth_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Sabertooth_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Sabia_22 Start: 13658, Stop: 14017, Start Num: 65
Candidate Starts for Sabia_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Sabinator_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Sabinator_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Sachima_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for Sachima_22:
(Start: 64 @15076 has 623 MA's), (130, 15307),

Gene: Saftant_13 Start: 9237, Stop: 9638, Start Num: 73
Candidate Starts for Saftant_13:
(Start: 73 @9237 has 46 MA's), (84, 9291), (130, 9483), (144, 9567), (155, 9627),

Gene: Sagefire_20 Start: 14575, Stop: 14970, Start Num: 64
Candidate Starts for Sagefire_20:
(Start: 64 @14575 has 623 MA's), (Start: 67 @14581 has 2 MA's), (83, 14614), (Start: 88 @14632 has 2 MA's), (92, 14644), (122, 14773), (128, 14791),

Gene: Saintus_17 Start: 12232, Stop: 12600, Start Num: 64
Candidate Starts for Saintus_17:
(49, 12124), (55, 12151), (Start: 64 @12232 has 623 MA's), (91, 12277), (107, 12352), (110, 12358),

Gene: Salz_21 Start: 14834, Stop: 15184, Start Num: 64
Candidate Starts for Salz_21:
(Start: 64 @14834 has 623 MA's), (98, 14918), (122, 15020), (130, 15056),

Gene: Sandaddy_18 Start: 13690, Stop: 14085, Start Num: 64

Candidate Starts for Sandaddy_18:
(Start: 64 @13690 has 623 MA's), (Start: 67 @13696 has 2 MA's), (83, 13729), (Start: 88 @13747 has 2 MA's), (92, 13759), (122, 13888), (128, 13906),

Gene: Sanya_19 Start: 14352, Stop: 14747, Start Num: 64
Candidate Starts for Sanya_19:
(Start: 64 @14352 has 623 MA's), (Start: 67 @14358 has 2 MA's), (83, 14391), (Start: 88 @14409 has 2 MA's), (92, 14421), (122, 14550), (128, 14568),

Gene: SarFire_19 Start: 13844, Stop: 14239, Start Num: 64
Candidate Starts for SarFire_19:
(Start: 64 @13844 has 623 MA's), (Start: 67 @13850 has 2 MA's), (83, 13883), (Start: 88 @13901 has 2 MA's), (92, 13913), (122, 14042), (128, 14060),

Gene: SarahRose_13 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for SarahRose_13:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: Saskia_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Saskia_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: SaturnRing_20 Start: 13207, Stop: 13548, Start Num: 64
Candidate Starts for SaturnRing_20:
(54, 13111), (56, 13126), (Start: 64 @13207 has 623 MA's), (Start: 88 @13264 has 2 MA's), (102, 13321), (115, 13384), (122, 13405), (130, 13441), (134, 13474), (149, 13540),

Gene: Scamp_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Scamp_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Scherzo_22 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for Scherzo_22:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: Scorpia_18 Start: 12483, Stop: 12896, Start Num: 64
Candidate Starts for Scorpia_18:
(54, 12387), (56, 12402), (Start: 64 @12483 has 623 MA's), (86, 12537), (125, 12708), (126, 12711), (128, 12717),

Gene: Scout_20 Start: 12507, Stop: 12848, Start Num: 64
Candidate Starts for Scout_20:
(54, 12411), (56, 12426), (Start: 64 @12507 has 623 MA's), (Start: 88 @12564 has 2 MA's), (102, 12621), (115, 12684), (122, 12705), (130, 12741), (134, 12774), (149, 12840),

Gene: Scowl_20 Start: 14241, Stop: 14636, Start Num: 64
Candidate Starts for Scowl_20:
(Start: 64 @14241 has 623 MA's), (Start: 67 @14247 has 2 MA's), (83, 14280), (Start: 88 @14298 has 2 MA's), (92, 14310), (122, 14439), (128, 14457),

Gene: Seabiscuit_21 Start: 13776, Stop: 14171, Start Num: 64

Candidate Starts for Seabiscuit_21:
(Start: 64 @13776 has 623 MA's), (Start: 67 @13782 has 2 MA's), (83, 13815), (Start: 88 @13833 has 2 MA's), (92, 13845), (122, 13974), (128, 13992),

Gene: Seanderson_20 Start: 14211, Stop: 14606, Start Num: 64
Candidate Starts for Seanderson_20:
(Start: 64 @14211 has 623 MA's), (Start: 67 @14217 has 2 MA's), (83, 14250), (Start: 88 @14268 has 2 MA's), (92, 14280), (122, 14409), (128, 14427),

Gene: SemperFi_23 Start: 14679, Stop: 15014, Start Num: 64
Candidate Starts for SemperFi_23:
(51, 14583), (56, 14598), (Start: 64 @14679 has 623 MA's), (82, 14709), (122, 14865), (130, 14901),

Gene: SenorClean_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for SenorClean_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Serenity_20 Start: 13229, Stop: 13564, Start Num: 64
Candidate Starts for Serenity_20:
(51, 13133), (56, 13148), (Start: 64 @13229 has 623 MA's),

Gene: Severus_19 Start: 11446, Stop: 11838, Start Num: 65
Candidate Starts for Severus_19:
(Start: 65 @11446 has 263 MA's), (Start: 88 @11503 has 2 MA's), (128, 11662), (153, 11815), (156, 11830),

Gene: Shaka_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Shaka_20:
(Start: 65 @13569 has 263 MA's), (68, 13578), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (153, 13938), (156, 13953),

Gene: Sham4_21 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Sham4_21:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: Shapes_23 Start: 13418, Stop: 13810, Start Num: 65
Candidate Starts for Shapes_23:
(Start: 65 @13418 has 263 MA's), (Start: 88 @13475 has 2 MA's), (119, 13607), (128, 13634), (148, 13760), (153, 13787), (156, 13802),

Gene: ShayRa_24 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for ShayRa_24:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: SheaKeira_21 Start: 13285, Stop: 13620, Start Num: 64
Candidate Starts for SheaKeira_21:
(Start: 64 @13285 has 623 MA's), (122, 13471), (124, 13477), (127, 13486), (130, 13507),

Gene: Sheen_22 Start: 15303, Stop: 15647, Start Num: 66
Candidate Starts for Sheen_22:

(56, 15219), (Start: 66 @15303 has 5 MA's), (Start: 80 @15336 has 1 MA's), (Start: 88 @15366 has 2 MA's), (134, 15576), (148, 15639),

Gene: SheldonCooper_21 Start: 13882, Stop: 14274, Start Num: 65
Candidate Starts for SheldonCooper_21:
(Start: 65 @13882 has 263 MA's), (68, 13891), (124, 14086), (125, 14089), (126, 14092), (128, 14098), (130, 14116), (151, 14236), (153, 14251), (156, 14266),

Gene: Shep_20 Start: 12462, Stop: 12803, Start Num: 64
Candidate Starts for Shep_20:
(54, 12366), (56, 12381), (Start: 64 @12462 has 623 MA's), (Start: 88 @12519 has 2 MA's), (102, 12576), (115, 12639), (122, 12660), (130, 12696), (134, 12729), (149, 12795),

Gene: ShortQueendom_19 Start: 13650, Stop: 14045, Start Num: 64
Candidate Starts for ShortQueendom_19:
(Start: 64 @13650 has 623 MA's), (Start: 67 @13656 has 2 MA's), (83, 13689), (Start: 88 @13707 has 2 MA's), (92, 13719), (122, 13848), (128, 13866),

Gene: Shuman_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Shuman_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (129, 9841),

Gene: Shygu2_20 Start: 13572, Stop: 13964, Start Num: 65
Candidate Starts for Shygu2_20:
(Start: 65 @13572 has 263 MA's), (128, 13788), (151, 13926), (153, 13941), (156, 13956),

Gene: Sibs6_21 Start: 14287, Stop: 14682, Start Num: 64
Candidate Starts for Sibs6_21:
(Start: 64 @14287 has 623 MA's), (Start: 67 @14293 has 2 MA's), (83, 14326), (Start: 88 @14344 has 2 MA's), (92, 14356), (122, 14485), (128, 14503),

Gene: Skadoosh_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Skadoosh_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: SkiPole_21 Start: 13864, Stop: 14259, Start Num: 64
Candidate Starts for SkiPole_21:
(54, 13768), (Start: 64 @13864 has 623 MA's), (Start: 67 @13870 has 2 MA's), (83, 13903), (Start: 88 @13921 has 2 MA's), (92, 13933), (122, 14062), (128, 14080),

Gene: Skipitt_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Skipitt_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Sknot_21 Start: 14358, Stop: 14693, Start Num: 64
Candidate Starts for Sknot_21:
(51, 14262), (56, 14277), (Start: 64 @14358 has 623 MA's), (127, 14559), (130, 14580), (150, 14682),

Gene: Slagathor_20 Start: 13639, Stop: 14034, Start Num: 64
Candidate Starts for Slagathor_20:

(Start: 64 @13639 has 623 MA's), (Start: 67 @13645 has 2 MA's), (83, 13678), (Start: 88 @13696 has 2 MA's), (92, 13708), (122, 13837), (128, 13855),

Gene: Smairt_20 Start: 14470, Stop: 14865, Start Num: 64
Candidate Starts for Smairt_20:
(60, 14410), (Start: 64 @14470 has 623 MA's), (Start: 67 @14476 has 2 MA's), (83, 14509), (Start: 88 @14527 has 2 MA's), (92, 14539), (122, 14668), (128, 14686),

Gene: Smeadley_17 Start: 12250, Stop: 12618, Start Num: 64
Candidate Starts for Smeadley_17:
(42, 11962), (49, 12142), (55, 12169), (Start: 64 @12250 has 623 MA's), (90, 12292), (107, 12370), (110, 12376),

Gene: Smeagan_23 Start: 14767, Stop: 15102, Start Num: 64
Candidate Starts for Smeagan_23:
(12, 14257), (51, 14671), (56, 14686), (Start: 64 @14767 has 623 MA's), (82, 14797),

Gene: Smeagol_21 Start: 15059, Stop: 15454, Start Num: 64
Candidate Starts for Smeagol_21:
(Start: 64 @15059 has 623 MA's), (Start: 67 @15065 has 2 MA's), (83, 15098), (Start: 88 @15116 has 2 MA's), (92, 15128), (122, 15257), (128, 15275),

Gene: SmellyB_24 Start: 14417, Stop: 14770, Start Num: 64
Candidate Starts for SmellyB_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: SnapTap_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for SnapTap_21:
(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: Snape_21 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Snape_21:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: Snazzy_17 Start: 13159, Stop: 13554, Start Num: 64
Candidate Starts for Snazzy_17:
(Start: 64 @13159 has 623 MA's), (Start: 67 @13165 has 2 MA's), (83, 13198), (Start: 88 @13216 has 2 MA's), (92, 13228), (122, 13357), (128, 13375),

Gene: Snickers_22 Start: 13639, Stop: 13998, Start Num: 65
Candidate Starts for Snickers_22:
(Start: 65 @13639 has 263 MA's), (Start: 80 @13666 has 1 MA's), (115, 13816), (130, 13873), (134, 13906), (139, 13924),

Gene: Snorlax_13 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for Snorlax_13:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: SoYo_22 Start: 13576, Stop: 13935, Start Num: 65
Candidate Starts for SoYo_22:
(Start: 65 @13576 has 263 MA's), (Start: 80 @13603 has 1 MA's), (115, 13753), (130, 13810), (134, 13843), (139, 13861),

Gene: SoilDragon_22 Start: 13348, Stop: 13707, Start Num: 65
Candidate Starts for SoilDragon_22:
(Start: 65 @13348 has 263 MA's), (Start: 80 @13375 has 1 MA's), (115, 13525), (130, 13582), (134, 13615), (139, 13633),

Gene: Solon_19 Start: 14322, Stop: 14717, Start Num: 64
Candidate Starts for Solon_19:
(Start: 64 @14322 has 623 MA's), (Start: 67 @14328 has 2 MA's), (83, 14361), (Start: 88 @14379 has 2 MA's), (92, 14391), (122, 14520), (128, 14538),

Gene: SororFago_20 Start: 13452, Stop: 13787, Start Num: 64
Candidate Starts for SororFago_20:
(51, 13356), (56, 13371), (Start: 64 @13452 has 623 MA's), (94, 13524), (122, 13638), (130, 13674), (151, 13782),

Gene: Sorpresa_19 Start: 13690, Stop: 14085, Start Num: 64
Candidate Starts for Sorpresa_19:
(Start: 64 @13690 has 623 MA's), (Start: 67 @13696 has 2 MA's), (83, 13729), (Start: 88 @13747 has 2 MA's), (92, 13759), (122, 13888), (128, 13906),

Gene: Soshari_24 Start: 13748, Stop: 14107, Start Num: 65
Candidate Starts for Soshari_24:
(Start: 65 @13748 has 263 MA's), (Start: 80 @13775 has 1 MA's), (115, 13925), (130, 13982), (134, 14015), (139, 14033),

Gene: Soups_23 Start: 13538, Stop: 13906, Start Num: 64
Candidate Starts for Soups_23:
(Start: 64 @13538 has 623 MA's), (Start: 80 @13568 has 1 MA's), (82, 13577), (92, 13610), (115, 13718), (119, 13730), (130, 13775), (134, 13808),

Gene: South40_14 Start: 9418, Stop: 9816, Start Num: 72
Candidate Starts for South40_14:
(3, 8839), (7, 8863), (15, 8926), (56, 9304), (61, 9334), (Start: 72 @9418 has 58 MA's), (113, 9592), (123, 9622), (144, 9742), (155, 9802),

Gene: Sparxx_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for Sparxx_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Speedwell_18 Start: 10967, Stop: 11362, Start Num: 73
Candidate Starts for Speedwell_18:
(Start: 73 @10967 has 46 MA's), (85, 11024), (122, 11171), (123, 11174), (130, 11207), (155, 11351),

Gene: Spike509_22 Start: 13749, Stop: 14108, Start Num: 65
Candidate Starts for Spike509_22:
(Start: 65 @13749 has 263 MA's), (Start: 80 @13776 has 1 MA's), (115, 13926), (130, 13983), (134, 14016), (139, 14034),

Gene: SpikeBT_21 Start: 14626, Stop: 15021, Start Num: 64
Candidate Starts for SpikeBT_21:

(Start: 64 @14626 has 623 MA's), (Start: 67 @14632 has 2 MA's), (83, 14665), (Start: 88 @14683 has 2 MA's), (92, 14695), (122, 14824), (128, 14842),

Gene: Spino_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Spino_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Spouty_22 Start: 15106, Stop: 15495, Start Num: 64
Candidate Starts for Spouty_22:
(Start: 64 @15106 has 623 MA's), (130, 15337), (151, 15457),

Gene: SqueakyClean_14 Start: 9299, Stop: 9670, Start Num: 73
Candidate Starts for SqueakyClean_14:
(25, 8837), (29, 8873), (43, 8948), (44, 8951), (48, 9077), (61, 9212), (Start: 73 @9299 has 46 MA's), (75, 9314), (122, 9473), (123, 9476), (136, 9548), (140, 9572), (144, 9596), (155, 9656),

Gene: Squee_20 Start: 14460, Stop: 14855, Start Num: 64
Candidate Starts for Squee_20:
(Start: 64 @14460 has 623 MA's), (Start: 67 @14466 has 2 MA's), (83, 14499), (Start: 88 @14517 has 2 MA's), (92, 14529), (122, 14658), (128, 14676),

Gene: StCroix_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for StCroix_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Stagni_22 Start: 13667, Stop: 14026, Start Num: 65
Candidate Starts for Stagni_22:
(Start: 65 @13667 has 263 MA's), (Start: 80 @13694 has 1 MA's), (115, 13844), (130, 13901), (134, 13934), (139, 13952),

Gene: StarStuff_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for StarStuff_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: Stasia_21 Start: 14008, Stop: 14400, Start Num: 65
Candidate Starts for Stasia_21:
(Start: 65 @14008 has 263 MA's), (68, 14017), (128, 14224), (130, 14242), (153, 14377), (156, 14392),

Gene: SteMason_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for SteMason_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Steamy_22 Start: 14864, Stop: 15250, Start Num: 64
Candidate Starts for Steamy_22:
(Start: 64 @14864 has 623 MA's), (130, 15092), (141, 15152), (151, 15212),

Gene: StepMih_22 Start: 13685, Stop: 14017, Start Num: 80
Candidate Starts for StepMih_22:
(Start: 65 @13658 has 263 MA's), (Start: 80 @13685 has 1 MA's), (115, 13835), (130, 13892), (134, 13925), (139, 13943),

Gene: Stephig9_17 Start: 12231, Stop: 12599, Start Num: 64
Candidate Starts for Stephig9_17:
(Start: 64 @12231 has 623 MA's), (90, 12273), (107, 12351), (110, 12357),

Gene: StewieG_18 Start: 13534, Stop: 13929, Start Num: 64
Candidate Starts for StewieG_18:
(Start: 64 @13534 has 623 MA's), (Start: 67 @13540 has 2 MA's), (83, 13573), (Start: 88 @13591 has 2 MA's), (92, 13603), (122, 13732), (128, 13750),

Gene: Stink_21 Start: 13860, Stop: 14252, Start Num: 65
Candidate Starts for Stink_21:
(Start: 65 @13860 has 263 MA's), (68, 13869), (128, 14076), (130, 14094), (151, 14214), (153, 14229), (156, 14244),

Gene: StrongArm_18 Start: 14711, Stop: 15106, Start Num: 64
Candidate Starts for StrongArm_18:
(Start: 64 @14711 has 623 MA's), (Start: 67 @14717 has 2 MA's), (83, 14750), (Start: 88 @14768 has 2 MA's), (92, 14780), (122, 14909), (128, 14927),

Gene: Strosahl_23 Start: 13377, Stop: 13745, Start Num: 64
Candidate Starts for Strosahl_23:
(Start: 64 @13377 has 623 MA's), (Start: 80 @13407 has 1 MA's), (82, 13416), (92, 13449), (115, 13557), (119, 13569), (130, 13614), (134, 13647),

Gene: Sudan_13 Start: 9240, Stop: 9626, Start Num: 73
Candidate Starts for Sudan_13:
(61, 9153), (Start: 70 @9234 has 5 MA's), (Start: 73 @9240 has 46 MA's), (100, 9345), (144, 9552), (155, 9612),

Gene: Sujidade_14 Start: 9440, Stop: 9838, Start Num: 72
Candidate Starts for Sujidade_14:
(3, 8861), (7, 8885), (37, 9068), (56, 9326), (Start: 59 @9341 has 1 MA's), (61, 9356), (Start: 72 @9440 has 58 MA's), (87, 9503), (113, 9614), (123, 9644), (144, 9764), (155, 9824),

Gene: Sultana_20 Start: 13570, Stop: 13962, Start Num: 65
Candidate Starts for Sultana_20:
(Start: 65 @13570 has 263 MA's), (124, 13774), (125, 13777), (126, 13780), (128, 13786), (130, 13804), (151, 13924), (152, 13927), (153, 13939), (156, 13954),

Gene: Sumter_18 Start: 13281, Stop: 13676, Start Num: 64
Candidate Starts for Sumter_18:
(Start: 64 @13281 has 623 MA's), (Start: 67 @13287 has 2 MA's), (83, 13320), (Start: 88 @13338 has 2 MA's), (92, 13350), (122, 13479), (128, 13497),

Gene: Sunhee_20 Start: 13486, Stop: 13842, Start Num: 64
Candidate Starts for Sunhee_20:
(51, 13390), (Start: 64 @13486 has 623 MA's), (92, 13549), (122, 13672), (130, 13708), (134, 13741),

Gene: SunkenRoot_13 Start: 9352, Stop: 9735, Start Num: 73
Candidate Starts for SunkenRoot_13:
(36, 8974), (44, 9007), (61, 9265), (Start: 70 @9346 has 5 MA's), (Start: 73 @9352 has 46 MA's), (89, 9421), (140, 9637), (155, 9721),

Gene: SunsetPointe_13 Start: 9169, Stop: 9567, Start Num: 72
Candidate Starts for SunsetPointe_13:
(3, 8590), (9, 8626), (56, 9055), (Start: 59 @9070 has 1 MA's), (61, 9085), (Start: 72 @9169 has 58 MA's), (100, 9274), (113, 9346), (122, 9373), (123, 9376), (144, 9493), (155, 9553),

Gene: Sunshine924_18 Start: 13265, Stop: 13660, Start Num: 64
Candidate Starts for Sunshine924_18:
(Start: 64 @13265 has 623 MA's), (Start: 67 @13271 has 2 MA's), (83, 13304), (Start: 88 @13322 has 2 MA's), (92, 13334), (122, 13463), (128, 13481),

Gene: SuperAwesome_24 Start: 14408, Stop: 14761, Start Num: 64
Candidate Starts for SuperAwesome_24:
(Start: 64 @14408 has 623 MA's), (102, 14516), (124, 14600),

Gene: SuperCallie99_24 Start: 14407, Stop: 14760, Start Num: 64
Candidate Starts for SuperCallie99_24:
(Start: 64 @14407 has 623 MA's), (102, 14515), (124, 14599),

Gene: Superchunk_20 Start: 12955, Stop: 13290, Start Num: 64
Candidate Starts for Superchunk_20:
(51, 12859), (56, 12874), (Start: 64 @12955 has 623 MA's), (92, 13018), (98, 13039), (122, 13141), (130, 13177), (134, 13210), (151, 13285),

Gene: Superstar_16 Start: 10105, Stop: 10563, Start Num: 73
Candidate Starts for Superstar_16:
(Start: 73 @10105 has 46 MA's), (Start: 80 @10141 has 1 MA's), (Start: 88 @10171 has 2 MA's), (137, 10390), (144, 10435),

Gene: Swann_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for Swann_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: SweetiePie_21 Start: 14251, Stop: 14586, Start Num: 64
Candidate Starts for SweetiePie_21:
(51, 14155), (56, 14170), (Start: 64 @14251 has 623 MA's), (82, 14281), (122, 14437), (130, 14473),

Gene: SwirlSquare_22 Start: 13134, Stop: 13472, Start Num: 64
Candidate Starts for SwirlSquare_22:
(51, 13038), (Start: 64 @13134 has 623 MA's), (98, 13218), (122, 13320), (130, 13356), (134, 13389),

Gene: Swirley_17 Start: 12643, Stop: 13056, Start Num: 64
Candidate Starts for Swirley_17:
(28, 12235), (54, 12547), (Start: 64 @12643 has 623 MA's), (86, 12697), (95, 12727), (128, 12877),

Gene: SwissCheese_19 Start: 13726, Stop: 14121, Start Num: 64
Candidate Starts for SwissCheese_19:
(Start: 64 @13726 has 623 MA's), (Start: 67 @13732 has 2 MA's), (83, 13765), (Start: 88 @13783 has 2 MA's), (92, 13795), (122, 13924), (128, 13942),

Gene: Switzer_20 Start: 13882, Stop: 14277, Start Num: 64
Candidate Starts for Switzer_20:

(Start: 64 @13882 has 623 MA's), (Start: 67 @13888 has 2 MA's), (83, 13921), (Start: 88 @13939 has 2 MA's), (92, 13951), (122, 14080), (128, 14098),

Gene: Switzerland_23 Start: 13531, Stop: 13899, Start Num: 64
Candidate Starts for Switzerland_23:
(Start: 64 @13531 has 623 MA's), (Start: 80 @13561 has 1 MA's), (82, 13570), (92, 13603), (115, 13711), (119, 13723), (130, 13768), (134, 13801),

Gene: Swole_21 Start: 14192, Stop: 14587, Start Num: 64
Candidate Starts for Swole_21:
(54, 14096), (Start: 64 @14192 has 623 MA's), (Start: 67 @14198 has 2 MA's), (83, 14231), (Start: 88 @14249 has 2 MA's), (92, 14261), (122, 14390), (128, 14408),

Gene: SydNat_17 Start: 12747, Stop: 13160, Start Num: 64
Candidate Starts for SydNat_17:
(22, 12291), (54, 12651), (Start: 64 @12747 has 623 MA's), (86, 12801), (95, 12831), (128, 12981),

Gene: TNguyen7_20 Start: 13177, Stop: 13518, Start Num: 64
Candidate Starts for TNguyen7_20:
(54, 13081), (56, 13096), (Start: 64 @13177 has 623 MA's), (Start: 88 @13234 has 2 MA's), (102, 13291), (115, 13354), (122, 13375), (130, 13411), (134, 13444), (149, 13510),

Gene: TWAMP_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for TWAMP_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: TagePhighter_14 Start: 9145, Stop: 9540, Start Num: 72
Candidate Starts for TagePhighter_14:
(3, 8566), (7, 8590), (15, 8653), (56, 9031), (61, 9061), (Start: 72 @9145 has 58 MA's), (Start: 88 @9211 has 2 MA's), (113, 9319), (123, 9349), (144, 9469), (155, 9526),

Gene: Takoda_16 Start: 9609, Stop: 9920, Start Num: 64
Candidate Starts for Takoda_16:
(Start: 64 @9609 has 623 MA's), (79, 9615), (96, 9669), (110, 9732), (126, 9792), (129, 9801),

Gene: Taquarus_20 Start: 13572, Stop: 13964, Start Num: 65
Candidate Starts for Taquarus_20:
(Start: 65 @13572 has 263 MA's), (124, 13776), (125, 13779), (126, 13782), (128, 13788), (130, 13806), (151, 13926), (152, 13929), (153, 13941), (156, 13956),

Gene: Target_21 Start: 14533, Stop: 14928, Start Num: 64
Candidate Starts for Target_21:
(Start: 64 @14533 has 623 MA's), (Start: 67 @14539 has 2 MA's), (83, 14572), (Start: 88 @14590 has 2 MA's), (92, 14602), (122, 14731), (128, 14749),

Gene: TarsusIV_21 Start: 14354, Stop: 14689, Start Num: 64
Candidate Starts for TarsusIV_21:
(51, 14258), (56, 14273), (Start: 64 @14354 has 623 MA's), (98, 14438),

Gene: Tarynearal_16 Start: 12670, Stop: 13083, Start Num: 64
Candidate Starts for Tarynearal_16:
(28, 12262), (54, 12574), (Start: 64 @12670 has 623 MA's), (86, 12724), (95, 12754), (128, 12904),

Gene: Tasp14_20 Start: 13971, Stop: 14366, Start Num: 64
Candidate Starts for Tasp14_20:
(Start: 64 @13971 has 623 MA's), (Start: 67 @13977 has 2 MA's), (83, 14010), (Start: 88 @14028 has 2 MA's), (92, 14040), (122, 14169), (128, 14187),

Gene: Taurus_22 Start: 13663, Stop: 14022, Start Num: 65
Candidate Starts for Taurus_22:
(Start: 65 @13663 has 263 MA's), (Start: 80 @13690 has 1 MA's), (115, 13840), (130, 13897), (134, 13930), (139, 13948),

Gene: Tefunt_13 Start: 8974, Stop: 9435, Start Num: 73
Candidate Starts for Tefunt_13:
(56, 8857), (Start: 73 @8974 has 46 MA's), (Start: 80 @9010 has 1 MA's), (Start: 88 @9040 has 2 MA's), (136, 9256), (140, 9280), (144, 9304),

Gene: Temprado_24 Start: 14413, Stop: 14766, Start Num: 64
Candidate Starts for Temprado_24:
(Start: 64 @14413 has 623 MA's), (102, 14521), (124, 14605),

Gene: Teodoridan_17 Start: 13098, Stop: 13493, Start Num: 64
Candidate Starts for Teodoridan_17:
(Start: 64 @13098 has 623 MA's), (Start: 67 @13104 has 2 MA's), (83, 13137), (Start: 88 @13155 has 2 MA's), (92, 13167), (122, 13296), (128, 13314),

Gene: Terrific_23 Start: 14812, Stop: 15147, Start Num: 64
Candidate Starts for Terrific_23:
(51, 14716), (56, 14731), (Start: 64 @14812 has 623 MA's), (127, 15013), (130, 15034), (150, 15136),

Gene: Texage_20 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Texage_20:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Thanksgivukkah_20 Start: 13573, Stop: 13965, Start Num: 65
Candidate Starts for Thanksgivukkah_20:
(Start: 65 @13573 has 263 MA's), (68, 13582), (124, 13777), (125, 13780), (126, 13783), (128, 13789), (130, 13807), (151, 13927), (153, 13942), (156, 13957),

Gene: Theia_15 Start: 12609, Stop: 13022, Start Num: 64
Candidate Starts for Theia_15:
(28, 12201), (54, 12513), (Start: 64 @12609 has 623 MA's), (86, 12663), (95, 12693), (128, 12843),

Gene: TheloniousMonk_21 Start: 15006, Stop: 15401, Start Num: 64
Candidate Starts for TheloniousMonk_21:
(Start: 64 @15006 has 623 MA's), (Start: 67 @15012 has 2 MA's), (83, 15045), (Start: 88 @15063 has 2 MA's), (92, 15075), (122, 15204), (128, 15222),

Gene: Thestral_14 Start: 9049, Stop: 9504, Start Num: 73
Candidate Starts for Thestral_14:
(41, 8692), (56, 8932), (Start: 73 @9049 has 46 MA's), (113, 9214), (122, 9241), (143, 9373),

Gene: Thor_19 Start: 13844, Stop: 14239, Start Num: 64

Candidate Starts for Thor_19:
(Start: 64 @13844 has 623 MA's), (Start: 67 @13850 has 2 MA's), (83, 13883), (Start: 88 @13901 has 2 MA's), (92, 13913), (122, 14042), (128, 14060),

Gene: Tiffany_22 Start: 13559, Stop: 13918, Start Num: 65
Candidate Starts for Tiffany_22:
(Start: 65 @13559 has 263 MA's), (Start: 80 @13586 has 1 MA's), (115, 13736), (130, 13793), (134, 13826), (139, 13844),

Gene: Tiger_17 Start: 12496, Stop: 12909, Start Num: 64
Candidate Starts for Tiger_17:
(28, 12088), (54, 12400), (Start: 64 @12496 has 623 MA's), (86, 12550), (95, 12580), (128, 12730),

Gene: Timothy_21 Start: 14837, Stop: 15187, Start Num: 64
Candidate Starts for Timothy_21:
(Start: 64 @14837 has 623 MA's), (98, 14921), (122, 15023), (130, 15059),

Gene: Timshel_21 Start: 15196, Stop: 15540, Start Num: 66
Candidate Starts for Timshel_21:
(Start: 66 @15196 has 5 MA's), (Start: 80 @15229 has 1 MA's), (85, 15250), (Start: 88 @15259 has 2 MA's), (148, 15532),

Gene: TinaBelcher_13 Start: 8997, Stop: 9452, Start Num: 73
Candidate Starts for TinaBelcher_13:
(41, 8640), (56, 8880), (Start: 73 @8997 has 46 MA's), (Start: 88 @9066 has 2 MA's), (113, 9162), (122, 9189), (143, 9321),

Gene: TinaFeyge_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for TinaFeyge_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: TinyPebbles_22 Start: 13748, Stop: 14107, Start Num: 65
Candidate Starts for TinyPebbles_22:
(Start: 65 @13748 has 263 MA's), (Start: 80 @13775 has 1 MA's), (115, 13925), (130, 13982), (134, 14015), (139, 14033),

Gene: TinyTimmy_21 Start: 14880, Stop: 15230, Start Num: 64
Candidate Starts for TinyTimmy_21:
(Start: 64 @14880 has 623 MA's), (98, 14964), (122, 15066), (130, 15102),

Gene: Tinybot_19 Start: 13547, Stop: 13939, Start Num: 65
Candidate Starts for Tinybot_19:
(Start: 65 @13547 has 263 MA's), (68, 13556), (124, 13751), (125, 13754), (126, 13757), (128, 13763), (130, 13781), (151, 13901), (153, 13916), (156, 13931),

Gene: TipsytheTRex_20 Start: 13364, Stop: 13729, Start Num: 64
Candidate Starts for TipsytheTRex_20:
(51, 13268), (56, 13283), (Start: 64 @13364 has 623 MA's), (120, 13550),

Gene: TiroTheta9_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for TiroTheta9_20:

(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Toaka_20 Start: 13432, Stop: 13821, Start Num: 64
Candidate Starts for Toaka_20:
(Start: 64 @13432 has 623 MA's), (115, 13603), (130, 13663),

Gene: Todacoro_21 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Todacoro_21:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Toma_13 Start: 9148, Stop: 9546, Start Num: 72
Candidate Starts for Toma_13:
(3, 8569), (7, 8593), (37, 8776), (56, 9034), (Start: 59 @9049 has 1 MA's), (61, 9064), (Start: 72 @9148 has 58 MA's), (87, 9211), (113, 9322), (123, 9352), (144, 9472), (155, 9532),

Gene: Tomathan_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for Tomathan_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391), (145, 14505),

Gene: ToneTone_22 Start: 14325, Stop: 14678, Start Num: 64
Candidate Starts for ToneTone_22:
(Start: 64 @14325 has 623 MA's), (102, 14433), (124, 14517),

Gene: Topanga_20 Start: 13484, Stop: 13876, Start Num: 65
Candidate Starts for Topanga_20:
(Start: 65 @13484 has 263 MA's), (78, 13508), (119, 13673), (128, 13700), (153, 13853),

Gene: Topgun_19 Start: 13446, Stop: 13841, Start Num: 64
Candidate Starts for Topgun_19:
(Start: 64 @13446 has 623 MA's), (Start: 67 @13452 has 2 MA's), (83, 13485), (Start: 88 @13503 has 2 MA's), (92, 13515), (122, 13644), (128, 13662),

Gene: Toro_23 Start: 15245, Stop: 15589, Start Num: 66
Candidate Starts for Toro_23:
(56, 15161), (Start: 66 @15245 has 5 MA's), (Start: 80 @15278 has 1 MA's), (Start: 88 @15308 has 2 MA's), (134, 15518), (148, 15581),

Gene: Tote_21 Start: 14192, Stop: 14587, Start Num: 64
Candidate Starts for Tote_21:
(54, 14096), (Start: 64 @14192 has 623 MA's), (Start: 67 @14198 has 2 MA's), (83, 14231), (Start: 88 @14249 has 2 MA's), (92, 14261), (122, 14390), (128, 14408),

Gene: Traft412_21 Start: 14673, Stop: 15068, Start Num: 64
Candidate Starts for Traft412_21:
(Start: 64 @14673 has 623 MA's), (Start: 67 @14679 has 2 MA's), (83, 14712), (85, 14721), (Start: 88 @14730 has 2 MA's), (122, 14871),

Gene: Travvers_24 Start: 14205, Stop: 14540, Start Num: 64
Candidate Starts for Travvers_24:
(51, 14109), (56, 14124), (Start: 64 @14205 has 623 MA's), (122, 14391),

Gene: Treddle_21 Start: 14986, Stop: 15381, Start Num: 64
Candidate Starts for Treddle_21:
(Start: 64 @14986 has 623 MA's), (Start: 67 @14992 has 2 MA's), (83, 15025), (Start: 88 @15043 has 2 MA's), (92, 15055), (122, 15184), (128, 15202),

Gene: Trike_18 Start: 11454, Stop: 11846, Start Num: 65
Candidate Starts for Trike_18:
(Start: 65 @11454 has 263 MA's), (Start: 88 @11511 has 2 MA's), (128, 11670), (153, 11823), (156, 11838),

Gene: Tripl3t_20 Start: 14671, Stop: 15066, Start Num: 64
Candidate Starts for Tripl3t_20:
(Start: 64 @14671 has 623 MA's), (Start: 67 @14677 has 2 MA's), (83, 14710), (Start: 88 @14728 has 2 MA's), (92, 14740), (122, 14869), (128, 14887),

Gene: Tristan_22 Start: 16066, Stop: 16422, Start Num: 64
Candidate Starts for Tristan_22:
(51, 15970), (56, 15985), (Start: 64 @16066 has 623 MA's), (92, 16129), (97, 16147), (122, 16252), (130, 16288), (134, 16321),

Gene: Triste_13 Start: 9139, Stop: 9534, Start Num: 72
Candidate Starts for Triste_13:
(3, 8560), (7, 8584), (15, 8647), (56, 9025), (61, 9055), (Start: 72 @9139 has 58 MA's), (Start: 88 @9205 has 2 MA's), (113, 9313), (123, 9343), (144, 9463), (155, 9520),

Gene: Triumph_15 Start: 9064, Stop: 9459, Start Num: 73
Candidate Starts for Triumph_15:
(43, 8713), (61, 8977), (Start: 73 @9064 has 46 MA's), (Start: 88 @9139 has 2 MA's), (92, 9151), (108, 9211), (114, 9238), (122, 9262), (123, 9265), (144, 9385), (155, 9445),

Gene: Trixie_24 Start: 15964, Stop: 16299, Start Num: 64
Candidate Starts for Trixie_24:
(35, 15631), (51, 15868), (56, 15883), (Start: 64 @15964 has 623 MA's), (82, 15994), (127, 16165),

Gene: Trooper_21 Start: 14160, Stop: 14495, Start Num: 64
Candidate Starts for Trooper_21:
(51, 14043), (Start: 64 @14160 has 623 MA's), (98, 14244), (102, 14268),

Gene: Trouble_19 Start: 14032, Stop: 14427, Start Num: 64
Candidate Starts for Trouble_19:
(Start: 64 @14032 has 623 MA's), (Start: 67 @14038 has 2 MA's), (83, 14071), (Start: 88 @14089 has 2 MA's), (92, 14101), (122, 14230), (128, 14248),

Gene: TroyPia_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for TroyPia_20:
(Start: 65 @13569 has 263 MA's), (Start: 66 @13572 has 5 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: TrvxScott_12 Start: 8998, Stop: 9453, Start Num: 73
Candidate Starts for TrvxScott_12:
(41, 8641), (56, 8881), (Start: 73 @8998 has 46 MA's), (113, 9163), (122, 9190), (143, 9322),

Gene: TuanPN_13 Start: 9148, Stop: 9543, Start Num: 72

Candidate Starts for TuanPN_13:
(3, 8569), (7, 8593), (56, 9034), (61, 9064), (Start: 72 @9148 has 58 MA's), (Start: 88 @9214 has 2 MA's), (113, 9322), (123, 9352), (144, 9472), (155, 9529),

Gene: Tubs_22 Start: 15076, Stop: 15465, Start Num: 64
Candidate Starts for Tubs_22:
(Start: 64 @15076 has 623 MA's), (130, 15307), (151, 15427),

Gene: Tucker_24 Start: 14411, Stop: 14764, Start Num: 64
Candidate Starts for Tucker_24:
(51, 14315), (56, 14330), (Start: 64 @14411 has 623 MA's), (102, 14519), (124, 14603),

Gene: Turbido_23 Start: 14794, Stop: 15129, Start Num: 64
Candidate Starts for Turbido_23:
(12, 14284), (51, 14698), (56, 14713), (Start: 64 @14794 has 623 MA's), (82, 14824),

Gene: Turj99_18 Start: 13470, Stop: 13865, Start Num: 64
Candidate Starts for Turj99_18:
(Start: 64 @13470 has 623 MA's), (Start: 67 @13476 has 2 MA's), (83, 13509), (Start: 88 @13527 has 2 MA's), (92, 13539), (122, 13668), (128, 13686),

Gene: Twigg_17 Start: 12642, Stop: 13055, Start Num: 64
Candidate Starts for Twigg_17:
(28, 12234), (54, 12546), (Start: 64 @12642 has 623 MA's), (86, 12696), (95, 12726), (128, 12876),

Gene: Twister_20 Start: 13383, Stop: 13775, Start Num: 65
Candidate Starts for Twister_20:
(Start: 65 @13383 has 263 MA's), (78, 13407), (119, 13572), (128, 13599), (153, 13752),

Gene: TwoPeat_20 Start: 13985, Stop: 14380, Start Num: 64
Candidate Starts for TwoPeat_20:
(Start: 64 @13985 has 623 MA's), (Start: 67 @13991 has 2 MA's), (83, 14024), (Start: 88 @14042 has 2 MA's), (92, 14054), (122, 14183), (128, 14201),

Gene: TygerBlood_20 Start: 13568, Stop: 13960, Start Num: 65
Candidate Starts for TygerBlood_20:
(Start: 65 @13568 has 263 MA's), (124, 13772), (125, 13775), (126, 13778), (128, 13784), (130, 13802), (151, 13922), (152, 13925), (153, 13937), (156, 13952),

Gene: U2_19 Start: 13888, Stop: 14283, Start Num: 64
Candidate Starts for U2_19:
(Start: 64 @13888 has 623 MA's), (Start: 67 @13894 has 2 MA's), (83, 13927), (Start: 88 @13945 has 2 MA's), (92, 13957), (122, 14086), (128, 14104),

Gene: Ugenie5_19 Start: 15109, Stop: 15498, Start Num: 64
Candidate Starts for Ugenie5_19:
(Start: 64 @15109 has 623 MA's), (130, 15340),

Gene: UhSalsa_16 Start: 9649, Stop: 9960, Start Num: 64
Candidate Starts for UhSalsa_16:
(Start: 64 @9649 has 623 MA's), (79, 9655), (96, 9709), (110, 9772), (126, 9832), (130, 9856), (144, 9925),

Gene: Ulysses_19 Start: 13290, Stop: 13682, Start Num: 65
Candidate Starts for Ulysses_19:
(Start: 65 @13290 has 263 MA's), (68, 13299), (124, 13494), (125, 13497), (126, 13500), (128, 13506), (130, 13524), (151, 13644), (153, 13659), (156, 13674),

Gene: UnionJack_17 Start: 12222, Stop: 12635, Start Num: 64
Candidate Starts for UnionJack_17:
(22, 11763), (54, 12126), (56, 12141), (Start: 64 @12222 has 623 MA's), (98, 12315), (125, 12447), (126, 12450), (128, 12456),

Gene: Unstoppable_13 Start: 9170, Stop: 9568, Start Num: 72
Candidate Starts for Unstoppable_13:
(3, 8591), (9, 8627), (56, 9056), (Start: 59 @9071 has 1 MA's), (61, 9086), (Start: 72 @9170 has 58 MA's), (100, 9275), (113, 9347), (122, 9374), (123, 9377), (144, 9494), (155, 9554),

Gene: Updawg_23 Start: 14800, Stop: 15135, Start Num: 64
Candidate Starts for Updawg_23:
(51, 14704), (56, 14719), (Start: 64 @14800 has 623 MA's), (127, 15001), (130, 15022), (150, 15124),

Gene: Urza_13 Start: 9416, Stop: 9796, Start Num: 72
Candidate Starts for Urza_13:
(Start: 72 @9416 has 58 MA's), (84, 9470), (Start: 88 @9482 has 2 MA's), (144, 9725), (155, 9785),

Gene: VA6_21 Start: 14309, Stop: 14644, Start Num: 64
Candidate Starts for VA6_21:
(51, 14213), (56, 14228), (Start: 64 @14309 has 623 MA's), (82, 14339), (98, 14393),

Gene: VC3_24 Start: 14296, Stop: 14631, Start Num: 64
Candidate Starts for VC3_24:
(51, 14200), (56, 14215), (Start: 64 @14296 has 623 MA's), (122, 14482),

Gene: Vanisoa_20 Start: 13164, Stop: 13553, Start Num: 64
Candidate Starts for Vanisoa_20:
(Start: 64 @13164 has 623 MA's), (115, 13335), (130, 13395),

Gene: Vanseggelen_17 Start: 8887, Stop: 9273, Start Num: 73
Candidate Starts for Vanseggelen_17:
(Start: 73 @8887 has 46 MA's), (122, 9076), (140, 9175), (144, 9199), (155, 9259),

Gene: Verabelle_14 Start: 9237, Stop: 9620, Start Num: 73
Candidate Starts for Verabelle_14:
(47, 8991), (52, 9090), (Start: 73 @9237 has 46 MA's), (130, 9462), (140, 9525), (144, 9549), (155, 9609),

Gene: Veracruz_20 Start: 13747, Stop: 14088, Start Num: 65
Candidate Starts for Veracruz_20:
(Start: 65 @13747 has 263 MA's), (85, 13795), (Start: 88 @13804 has 2 MA's), (102, 13861), (115, 13924), (122, 13945), (130, 13981), (134, 14014), (149, 14080),

Gene: Verse_13 Start: 9353, Stop: 9736, Start Num: 73
Candidate Starts for Verse_13:
(36, 8975), (44, 9008), (61, 9266), (Start: 70 @9347 has 5 MA's), (Start: 73 @9353 has 46 MA's), (89, 9422), (140, 9638), (155, 9722),

Gene: VieEnRose_13 Start: 9486, Stop: 9866, Start Num: 72
Candidate Starts for VieEnRose_13:
(61, 9402), (Start: 72 @9486 has 58 MA's), (84, 9540), (Start: 88 @9552 has 2 MA's), (102, 9609), (144, 9795), (155, 9855),

Gene: Violet_18 Start: 14277, Stop: 14672, Start Num: 64
Candidate Starts for Violet_18:
(Start: 64 @14277 has 623 MA's), (Start: 67 @14283 has 2 MA's), (83, 14316), (Start: 88 @14334 has 2 MA's), (92, 14346), (122, 14475), (128, 14493),

Gene: Vix_22 Start: 13747, Stop: 14106, Start Num: 65
Candidate Starts for Vix_22:
(Start: 65 @13747 has 263 MA's), (Start: 80 @13774 has 1 MA's), (115, 13924), (130, 13981), (134, 14014), (139, 14032),

Gene: VohminGhazi_24 Start: 14417, Stop: 14770, Start Num: 64
Candidate Starts for VohminGhazi_24:
(Start: 64 @14417 has 623 MA's), (102, 14525), (124, 14609),

Gene: Waits_23 Start: 13383, Stop: 13751, Start Num: 64
Candidate Starts for Waits_23:
(Start: 64 @13383 has 623 MA's), (Start: 80 @13413 has 1 MA's), (82, 13422), (92, 13455), (115, 13563), (119, 13575), (130, 13620), (134, 13653),

Gene: WalterMcMickey_20 Start: 13383, Stop: 13775, Start Num: 65
Candidate Starts for WalterMcMickey_20:
(Start: 65 @13383 has 263 MA's), (78, 13407), (119, 13572), (128, 13599), (153, 13752),

Gene: Wander_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Wander_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Warrior24_23 Start: 13387, Stop: 13755, Start Num: 64
Candidate Starts for Warrior24_23:
(Start: 64 @13387 has 623 MA's), (Start: 80 @13417 has 1 MA's), (82, 13426), (92, 13459), (115, 13567), (119, 13579), (130, 13624), (134, 13657),

Gene: Watermelon_21 Start: 14583, Stop: 14978, Start Num: 64
Candidate Starts for Watermelon_21:
(Start: 64 @14583 has 623 MA's), (Start: 67 @14589 has 2 MA's), (83, 14622), (Start: 88 @14640 has 2 MA's), (92, 14652), (122, 14781), (128, 14799),

Gene: Watson_22 Start: 13657, Stop: 14016, Start Num: 65
Candidate Starts for Watson_22:
(Start: 65 @13657 has 263 MA's), (Start: 80 @13684 has 1 MA's), (115, 13834), (130, 13891), (134, 13924), (139, 13942),

Gene: WeiHuaDA_26 Start: 16569, Stop: 16904, Start Num: 64
Candidate Starts for WeiHuaDA_26:
(13, 16074), (35, 16236), (51, 16473), (56, 16488), (Start: 64 @16569 has 623 MA's), (82, 16599), (98, 16653), (122, 16755), (130, 16791), (131, 16797),

Gene: Werner_13 Start: 9146, Stop: 9541, Start Num: 72
Candidate Starts for Werner_13:
(3, 8567), (7, 8591), (15, 8654), (56, 9032), (61, 9062), (Start: 72 @9146 has 58 MA's), (Start: 88 @9212 has 2 MA's), (113, 9320), (123, 9350), (144, 9470), (155, 9527),

Gene: Whabigail7_23 Start: 14782, Stop: 15117, Start Num: 64
Candidate Starts for Whabigail7_23:
(12, 14272), (51, 14686), (56, 14701), (Start: 64 @14782 has 623 MA's), (82, 14812),

Gene: Whatever_13 Start: 9146, Stop: 9541, Start Num: 72
Candidate Starts for Whatever_13:
(3, 8567), (7, 8591), (15, 8654), (56, 9032), (61, 9062), (Start: 72 @9146 has 58 MA's), (Start: 88 @9212 has 2 MA's), (113, 9320), (123, 9350), (144, 9470), (155, 9527),

Gene: Wheeler_19 Start: 14038, Stop: 14433, Start Num: 64
Candidate Starts for Wheeler_19:
(Start: 64 @14038 has 623 MA's), (Start: 67 @14044 has 2 MA's), (83, 14077), (Start: 88 @14095 has 2 MA's), (92, 14107), (122, 14236), (128, 14254),

Gene: Whitspit_20 Start: 14375, Stop: 14770, Start Num: 64
Candidate Starts for Whitspit_20:
(Start: 64 @14375 has 623 MA's), (Start: 67 @14381 has 2 MA's), (83, 14414), (Start: 88 @14432 has 2 MA's), (92, 14444), (122, 14573), (128, 14591),

Gene: WideWale_23 Start: 14800, Stop: 15135, Start Num: 64
Candidate Starts for WideWale_23:
(51, 14704), (56, 14719), (Start: 64 @14800 has 623 MA's), (127, 15001), (130, 15022), (150, 15124),

Gene: Wiks_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for Wiks_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: Wilbur_20 Start: 13569, Stop: 13961, Start Num: 65
Candidate Starts for Wilbur_20:
(Start: 65 @13569 has 263 MA's), (124, 13773), (125, 13776), (126, 13779), (128, 13785), (130, 13803), (151, 13923), (152, 13926), (153, 13938), (156, 13953),

Gene: Wile_20 Start: 13587, Stop: 13979, Start Num: 65
Candidate Starts for Wile_20:
(Start: 65 @13587 has 263 MA's), (68, 13596), (128, 13803), (130, 13821), (151, 13941), (153, 13956), (156, 13971),

Gene: Wilkins_19 Start: 13446, Stop: 13841, Start Num: 64
Candidate Starts for Wilkins_19:
(Start: 64 @13446 has 623 MA's), (Start: 67 @13452 has 2 MA's), (83, 13485), (Start: 88 @13503 has 2 MA's), (92, 13515), (122, 13644), (128, 13662),

Gene: Wizard007_20 Start: 13571, Stop: 13963, Start Num: 65
Candidate Starts for Wizard007_20:
(Start: 65 @13571 has 263 MA's), (124, 13775), (125, 13778), (126, 13781), (128, 13787), (130, 13805), (151, 13925), (152, 13928), (153, 13940), (156, 13955),

Gene: Wolpertinger_20 Start: 14840, Stop: 15190, Start Num: 64
Candidate Starts for Wolpertinger_20:
(Start: 64 @14840 has 623 MA's), (98, 14924), (122, 15026), (130, 15062),

Gene: Wooldri_24 Start: 13576, Stop: 13935, Start Num: 65
Candidate Starts for Wooldri_24:
(Start: 65 @13576 has 263 MA's), (Start: 80 @13603 has 1 MA's), (115, 13753), (130, 13810), (134, 13843), (139, 13861),

Gene: WorldCup_19 Start: 13146, Stop: 13535, Start Num: 64
Candidate Starts for WorldCup_19:
(Start: 64 @13146 has 623 MA's), (115, 13317), (130, 13377),

Gene: WunderPhul_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for WunderPhul_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: Xena_20 Start: 13574, Stop: 13966, Start Num: 65
Candidate Starts for Xena_20:
(Start: 65 @13574 has 263 MA's), (68, 13583), (128, 13790), (130, 13808), (151, 13928), (153, 13943), (156, 13958),

Gene: XianYue_21 Start: 14273, Stop: 14608, Start Num: 64
Candidate Starts for XianYue_21:
(51, 14177), (56, 14192), (Start: 64 @14273 has 623 MA's), (82, 14303), (98, 14357),

Gene: Yasdnil_13 Start: 9144, Stop: 9539, Start Num: 72
Candidate Starts for Yasdnil_13:
(3, 8565), (7, 8589), (56, 9030), (61, 9060), (Start: 72 @9144 has 58 MA's), (Start: 88 @9210 has 2 MA's), (113, 9318), (123, 9348), (144, 9468), (155, 9525),

Gene: Yecey3_21 Start: 13200, Stop: 13589, Start Num: 64
Candidate Starts for Yecey3_21:
(Start: 64 @13200 has 623 MA's), (115, 13371), (130, 13431), (141, 13491),

Gene: YoSam321_20 Start: 13566, Stop: 13958, Start Num: 65
Candidate Starts for YoSam321_20:
(Start: 65 @13566 has 263 MA's), (124, 13770), (125, 13773), (126, 13776), (128, 13782), (130, 13800), (151, 13920), (152, 13923), (153, 13935), (156, 13950),

Gene: Yogi_16 Start: 9617, Stop: 9928, Start Num: 64
Candidate Starts for Yogi_16:
(Start: 64 @9617 has 623 MA's), (79, 9623), (96, 9677), (110, 9740), (126, 9800), (129, 9809),

Gene: Yokurt_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for Yokurt_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: Yoncess_16 Start: 9617, Stop: 9928, Start Num: 64
Candidate Starts for Yoncess_16:
(Start: 64 @9617 has 623 MA's), (79, 9623), (96, 9677), (110, 9740), (126, 9800), (129, 9809),

Gene: Yosif_14 Start: 9614, Stop: 10000, Start Num: 73

Candidate Starts for Yosif_14:
(61, 9527), (Start: 73 @9614 has 46 MA's), (74, 9623), (100, 9719), (122, 9803), (130, 9839), (144, 9926), (155, 9986),

Gene: Zainub_15 Start: 9538, Stop: 10005, Start Num: 73
Candidate Starts for Zainub_15:
(41, 9184), (48, 9319), (Start: 70 @9535 has 5 MA's), (Start: 73 @9538 has 46 MA's), (Start: 80 @9595 has 1 MA's), (103, 9685), (113, 9721), (122, 9748), (144, 9889), (154, 9946),

Gene: Zaka_24 Start: 14393, Stop: 14746, Start Num: 64
Candidate Starts for Zaka_24:
(Start: 64 @14393 has 623 MA's), (102, 14501), (124, 14585),

Gene: ZamZam_13 Start: 9242, Stop: 9640, Start Num: 73
Candidate Starts for ZamZam_13:
(Start: 73 @9242 has 46 MA's), (84, 9296), (85, 9299), (122, 9446), (123, 9449), (130, 9482), (155, 9626),

Gene: Zarafa_20 Start: 13269, Stop: 13610, Start Num: 64
Candidate Starts for Zarafa_20:
(54, 13173), (56, 13188), (Start: 64 @13269 has 623 MA's), (Start: 88 @13326 has 2 MA's), (102, 13383), (115, 13446), (122, 13467), (130, 13503), (134, 13536), (149, 13602),

Gene: Zeeculate_18 Start: 13724, Stop: 14119, Start Num: 64
Candidate Starts for Zeeculate_18:
(Start: 64 @13724 has 623 MA's), (Start: 67 @13730 has 2 MA's), (83, 13763), (Start: 88 @13781 has 2 MA's), (92, 13793), (122, 13922), (128, 13940),

Gene: Zemlya_14 Start: 9156, Stop: 9554, Start Num: 72
Candidate Starts for Zemlya_14:
(3, 8577), (7, 8601), (21, 8694), (56, 9042), (Start: 59 @9057 has 1 MA's), (61, 9072), (Start: 72 @9156 has 58 MA's), (113, 9330), (123, 9360), (144, 9480), (155, 9540),

Gene: Zephyr_19 Start: 13816, Stop: 14211, Start Num: 64
Candidate Starts for Zephyr_19:
(Start: 64 @13816 has 623 MA's), (Start: 67 @13822 has 2 MA's), (83, 13855), (Start: 88 @13873 has 2 MA's), (92, 13885), (122, 14014), (128, 14032),

Gene: Zetzy_21 Start: 13197, Stop: 13556, Start Num: 65
Candidate Starts for Zetzy_21:
(Start: 65 @13197 has 263 MA's), (Start: 80 @13224 has 1 MA's), (115, 13374), (130, 13431), (134, 13464), (139, 13482),

Gene: Zeuska_20 Start: 14258, Stop: 14653, Start Num: 64
Candidate Starts for Zeuska_20:
(Start: 64 @14258 has 623 MA's), (Start: 67 @14264 has 2 MA's), (83, 14297), (Start: 88 @14315 has 2 MA's), (92, 14327), (122, 14456), (128, 14474),

Gene: Zimmer_23 Start: 15890, Stop: 16276, Start Num: 64
Candidate Starts for Zimmer_23:
(54, 15794), (56, 15809), (Start: 64 @15890 has 623 MA's), (112, 16052), (117, 16067), (130, 16118), (151, 16238),

Gene: Zolita_16 Start: 12748, Stop: 13161, Start Num: 64
Candidate Starts for Zolita_16:
(22, 12292), (54, 12652), (Start: 64 @12748 has 623 MA's), (86, 12802), (95, 12832), (128, 12982),

Gene: Zulu_24 Start: 14392, Stop: 14745, Start Num: 64
Candidate Starts for Zulu_24:
(Start: 64 @14392 has 623 MA's), (102, 14500), (124, 14584),

Gene: phiCAM_14 Start: 11010, Stop: 11402, Start Num: 70
Candidate Starts for phiCAM_14:
(61, 10929), (Start: 70 @11010 has 5 MA's), (Start: 73 @11016 has 46 MA's), (89, 11085), (100, 11121), (144, 11328), (150, 11364), (155, 11388),

Gene: phiHau3_15 Start: 9226, Stop: 9720, Start Num: 70
Candidate Starts for phiHau3_15:
(1, 8518), (41, 8875), (48, 9010), (56, 9115), (61, 9145), (Start: 70 @9226 has 5 MA's), (93, 9334), (134, 9529), (157, 9661), (158, 9673),