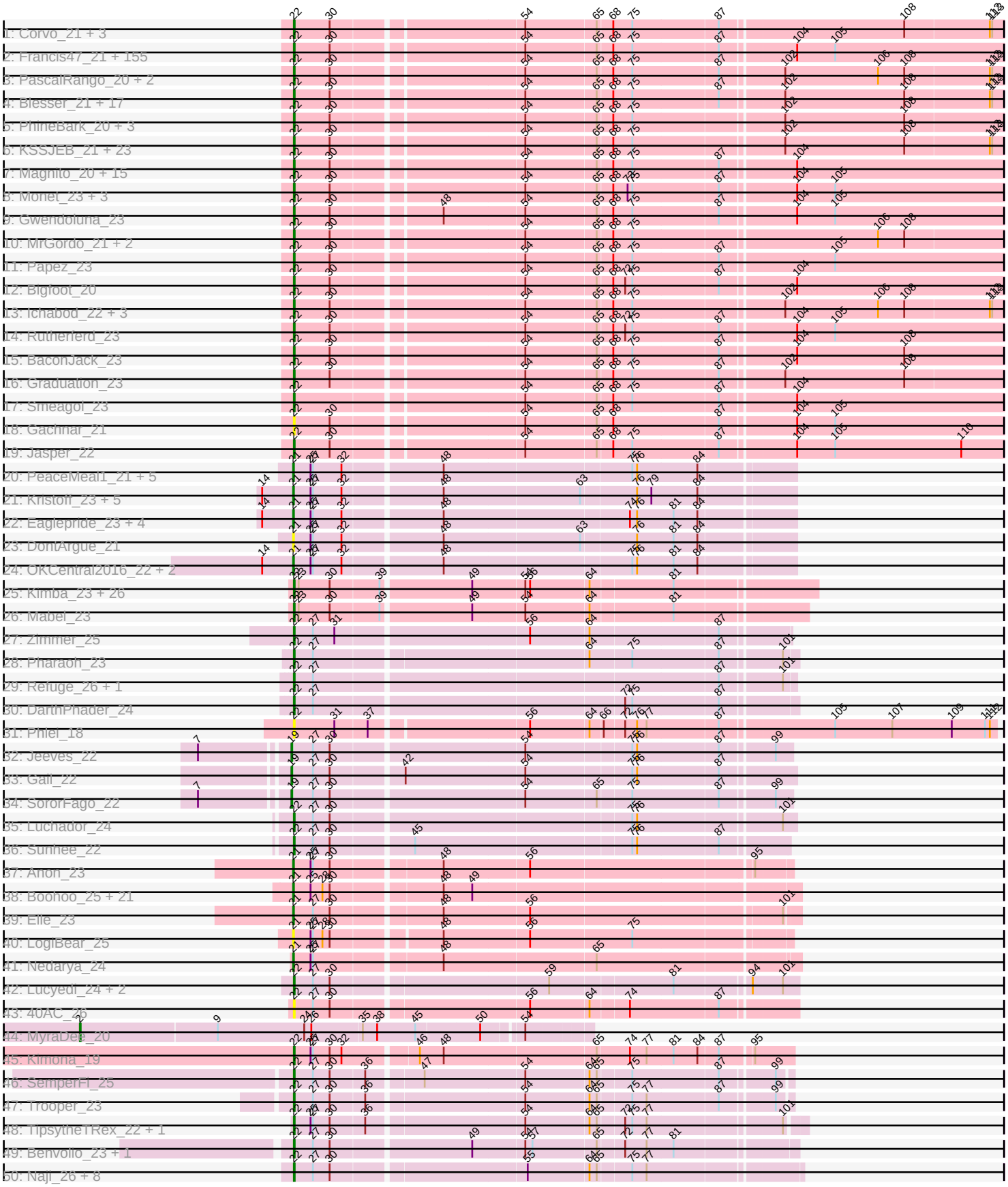
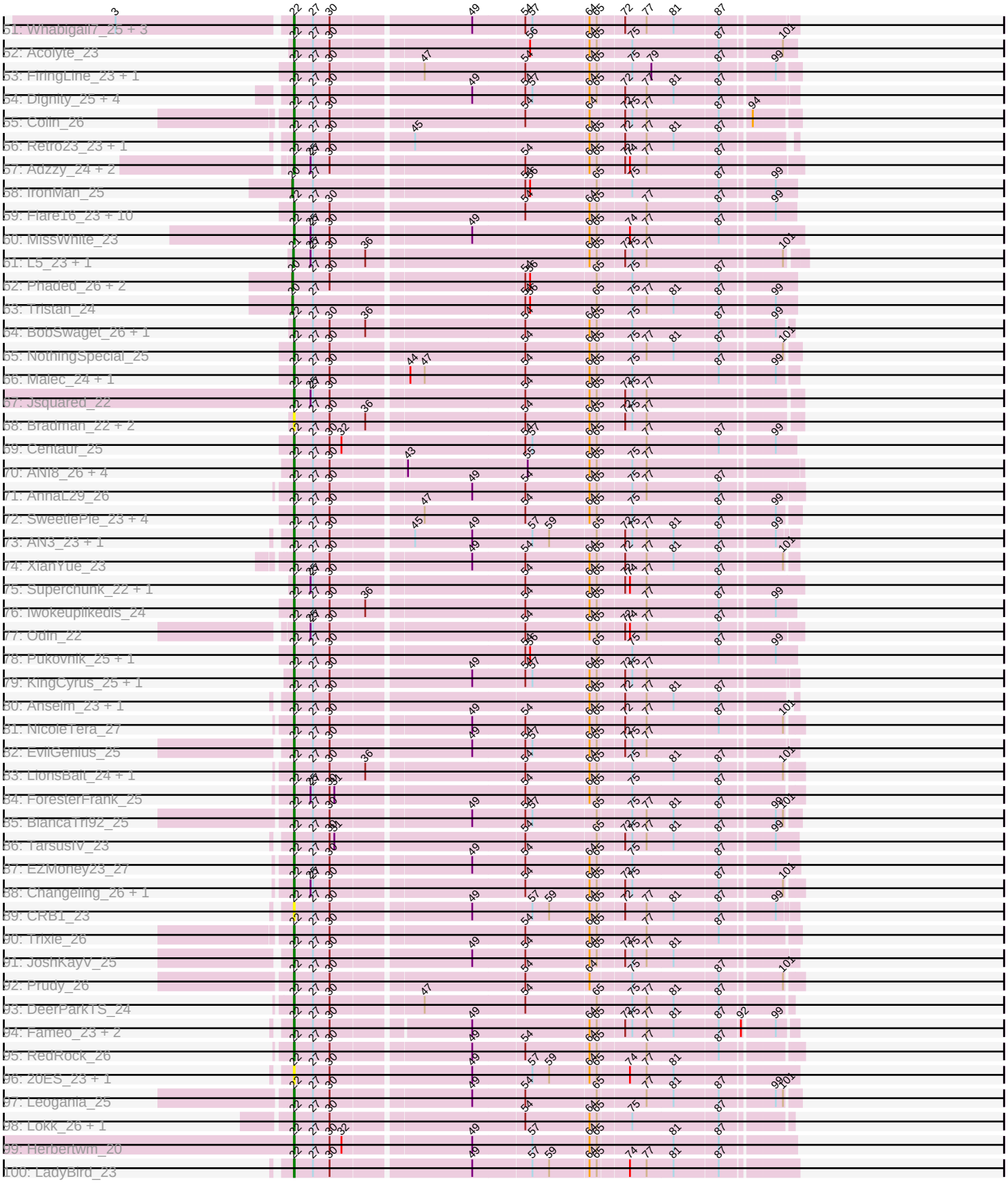
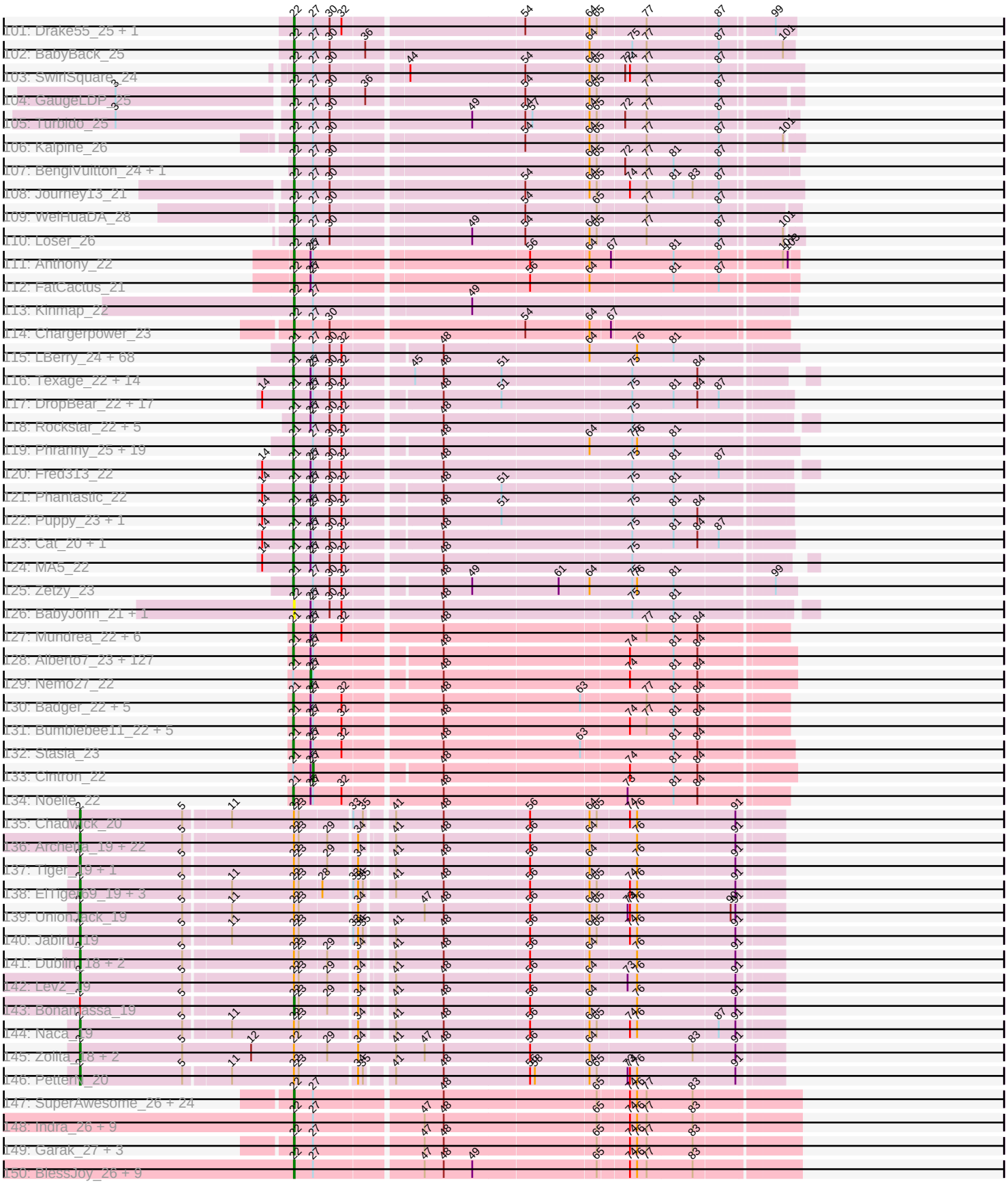
Pham 347024


1: Corvo_21 + 3
2: Francis47_21 + 155
3: PascalRango_20 + 2
4: Blesser_21 + 17
5: PhineBark_20 + 3
6: KSSJEB_21 + 23
7: Magnito_20 + 15
8: Monet_23 + 3
9: Gwendoluna_23
10: MrGordo_21 + 2
11: Papez_23
12: Bigfoot_20
13: Ichabod_22 + 3
14: Ruthenerd_23
15: BaconJack_23
16: Graduation_23
17: Smeagol_23
18: Gachnar_21
19: Jasper_22
20: PeaceMeal1_21 + 5
21: Kristoff_23 + 5
22: Eaglepride_23 + 4
23: DontArgue_21
24: OKCentral2016_22 + 2
25: Kimba_23 + 26
26: Mabel_23
27: Zimmer_25
28: Pharaoh_23
29: Refuge_26 + 1
30: DarthPhader_24
31: Phiel_18
32: Jeeves_22
33: Gail_22
34: SororFago_22
35: Luchador_24
36: Sunnee_22
37: Anon_23
38: Boohoo_25 + 21
39: Elle_23
40: LogiBear_25
41: Nedarya_24
42: Lucyedi_24 + 2
43: 40AC_25
44: MyraDee_20
45: Kimona_19
46: SemperFi_25
47: Trooper_23
48: TipsytheTRex_22 + 1
49: Benvolio_23 + 1
50: Naji_26 + 8

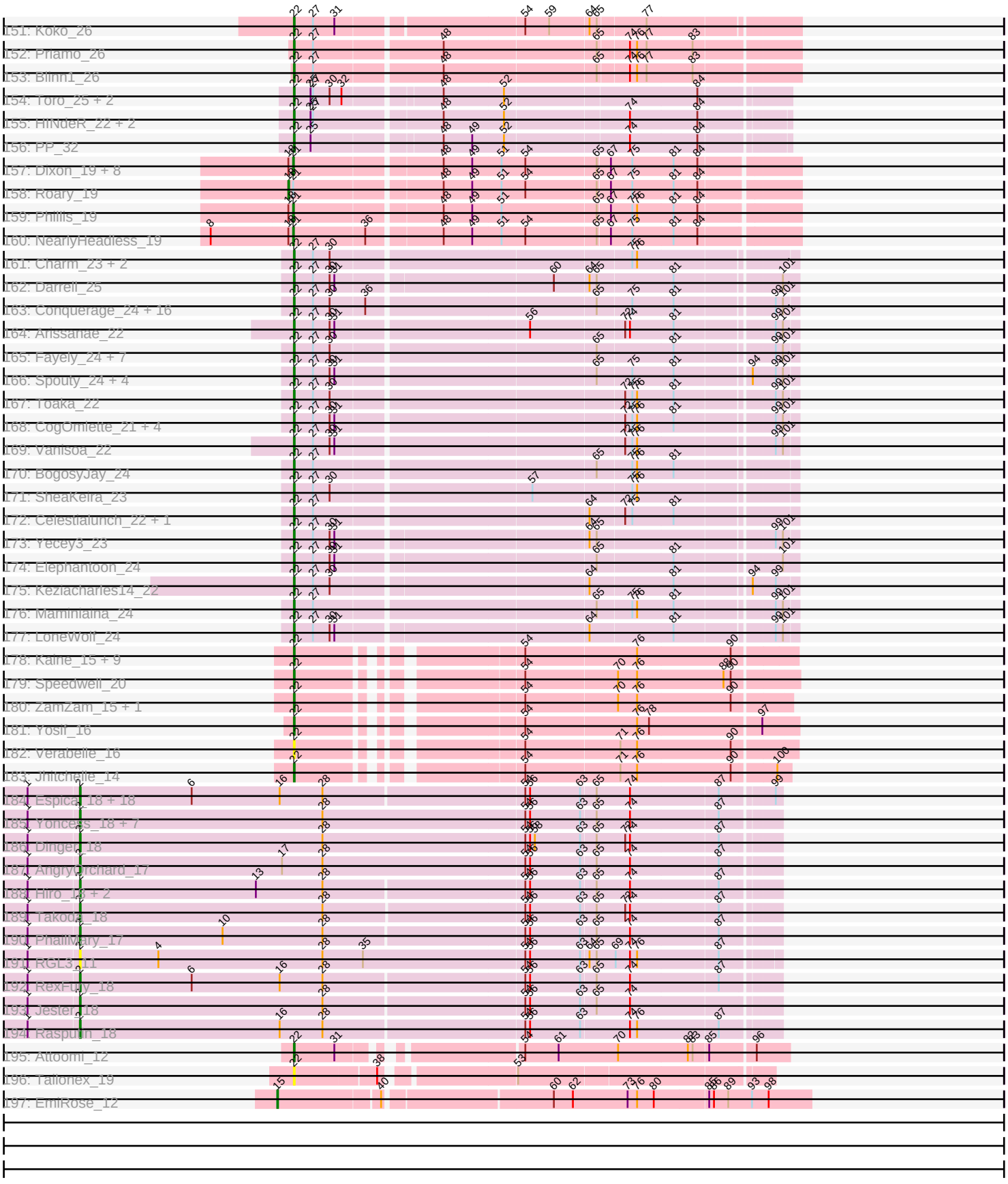
Pham 347024



Pham 347024


101: Drake55_25 + 1
102: BabyBack_25
103: SwirlSquare_24
104: GaugeLDP_25
105: Turbido_25
106: Kalpine_26
107: BengiVuitton_24 + 1
108: Journey13_21
109: WeiHuaDA_28
110: Loser_26
111: Anthony_22
112: FatCactus_21
113: Kinmap_22
114: Chargerpower_23
115: LBerry_24 + 68
116: Texage_22 + 14
117: DropBear_22 + 17
118: Rockstar_22 + 5
119: Phranny_25 + 19
120: Fred313_22
121: Phantastic_22
122: Puppy_23 + 1
123: Cat_20 + 1
124: MA5_22
125: Zetzy_23
126: BabyJohn_21 + 1
127: Mundrea_22 + 6
128: Alberto7_23 + 127
129: Nemo27_22
130: Badger_22 + 5
131: Bumblebee11_22 + 5
132: Stasia_23
133: Cintron_22
134: Noelle_22
135: Chadwick_20
136: Archetta_19 + 22
137: Tiger_19 + 1
138: ETiger69_19 + 3
139: UnionJack_19
140: Jabiru_19
141: Dublin_18 + 2
142: Lev2_19
143: Bonanassa_19
144: Naca_19
145: Zolita_18 + 2
146: Petten_20
147: SuperAwesome_26 + 24
148: Indra_26 + 9
149: Garak_27 + 3
150: BlessJoy_26 + 9

Pham 347024


151: Koko_26
152: Phamo_26
153: Blinn1_26
154: Toro_25 + 2
155: HINdeR_22 + 2
156: PP_32
157: Dixon_19 + 8
158: Roary_19
159: Phills_19
160: NearlyHeadless_19
161: Charm_23 + 2
162: Darrell_25
163: Conquerage_24 + 16
164: Anissanae_22
165: Fayely_24 + 7
166: Spouty_24 + 4
167: Toaka_22
168: CogOmlette_21 + 4
169: Vanisoa_22
170: BogosyJay_24
171: SheaKeira_23
172: Celestialunch_22 + 1
173: Yecey3_23
174: Elephantoon_24
175: Keziacharles14_22
176: Maminiaina_24
177: LoneWolf_24
178: Kaine_15 + 9
179: Speedwell_20
180: ZamZam_15 + 1
181: Yosif_16
182: Verabelle_16
183: Jhitchelle_14
184: Espica_18 + 18
185: Yonces_18 + 7
186: Dinger_18
187: AngryOrchard_17
188: Hiro_18 + 2
189: Takoda_18
190: PhatMary_17
191: RGL3_11
192: RexFury_18
193: Jester_18
194: Rasputin_18
195: Attoomi_12
196: Tallonex_19
197: EmiRose_12

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 347024 Report

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

Pham number 347024 has 975 members, 65 are drafts.

Phages represented in each track:
• Track 1 : Corvo_21, MetalQZJ_21, MaryBeth_21, PacerPaul_21
• Track 2 : Francis47_21, StrongArm_20, HermioneGrange_21, Eyeball_21, Bexan_20, QTRlifeCrisis_21, Aldrich_22, Solon_21, Naira_22, A6_19, Jerm2_22, GroundGoblin_22, Forsytheast_20, Bob3_20, ConceptII_22, TwoPeat_22, Petruchio_21, Fushigi_22, Lamina13_21, Oogway_20, MPlant7149_20, Perseus_22, Blackflame_21, Dulcie_20, Iqorha_20, Licorice_23, Smairt_22, BPBiebs31_22, EnzoK_22, MilleFeuille_20, Carlyle_23, Wheeler_21, Snazzy_19, NEHalo_21, CactusRose_20, Marcell_21, CatBus_22, Target_23, PinkPlastic_20, SpikeBT_23, Fenn_22, Mule_21, Moose_20, Beatrix_20, Mryolo_20, Ruotula_20, Lopton_22, Nhonho_21, Nerujay_22, Crispicous1_20, Zeuska_22, Ringer_21, StewieG_20, BigMau_23, CartmannCramer_21, Chanagan_20, PowerRanger_21, ILeeKay_23, Aeneas_23, Inyanga_20, Bruns_20, PattyP_23, Alvin_22, TheloniousMonk_23, Violet_20, DirtDevil_22, Seanderson_22, HanShotFirst_21, Bigchungi_21, Gyzlar_23, DrFeelGood_20, Sumter_20, Pelly_22, Bones_21, Lesedi_20, Burton_22, Adahisdi_22, Doom_22, ChristmasHams_21, Petp2012_23, JackSparrow_22, Fajezeel_23, Dussy_22, Maroc7_20, Kugel_22, Blue_21, Mkhuseli_22, BillKnuckles_22, BigPaolini_22, Hami1_23, Molly_22, Marsha_21, Rufus_22, Noxious_23, Froghopper_22, Watermelon_23, STLscum_22, Marge_22, Teodoridan_19, IgnatiusPatJac_20, Abrogate_220, Greg_23, Abbyshoes_22, Zephyr_21, LunarLander_21, Agaliana_21, Applejack_21, Hermia_23, Magnar_21, Dexes_22, Sibs6_23, Slagathor_22, BK1_19, PhrostyMug_21, Museum_23, Homines_21, Trouble_21, Altman_23, AFIS_21, Jorgensen_21, Norz_23, BluSpix_21, KikiBouba_23, Rhynn_21, Sorpresa_21, Ohno789_21, Wilkins_21, Kanely_22, RidgeCB_21, Sandaddy_20, Traft412_23, Puppet_21, HarryOW_22, JC27_23, Rohr_22, ShortQueendom_21, Ashballer_20, Marco3_21, Tripl3t_22, Arlo_20, Pippin_23, Whitspit_22, Topgun_21, Rubeus_22, Sagefire_22, Gompeii16_21, Paphu_20, Kenmech_24, Bircsak_21, SwissCheese_21, KyMonks1A_23, Cueylyss_21, Squee_22, Sunshine924_20, Sanya_21, Zeeculate_20
• Track 3 : PascalRango_20, Briton15_23, GrecoEtereo_22
• Track 4 : Blesser_21, Bethlehem_21, BarrowTuph_20, Paraselene_20, Makemake_21, Acme_23, Payneful_21, Dreamboat_22, PherrisBueller_22, Barriga_21, Manatee_22, Gandalf20_22, Marchy_20, Scowl_22, Thor_21, Killigrew_19, SarFire_21, Ciao_21
• Track 5 : PhineBark_20, Levia_21, McSinger_22, Atkinbua_22
• Track 6 : KSSJEB_21, SkiPole_23, Seabiscuit_23, GageAP_23, Pepe_22, Tasp14_22, Arcanine_22, DreamCatcher_24, Switzer_22, Dynamix_22, U2_21,

Hope4ever_21, Niza_23, Anglerfish_22, Rajelicia_21, Euphoria_21, Michley_21, Parliament_20, Pari_22, McGuire_22, Pinto_23, BeesKnees_22, GMonster_20, Raid_21
• Track 7 : Magnito_20, Peterson_24, Fascinus_20, Pita2_23, Alsfro_25, PSullivan_23, Lockley_21, JuliaChild_23, Kykar_19, Tote_23, Phlippers_20, DD5_22, LilBib_22, Turj99_20, Bxb1_19, Swole_23
• Track 8 : Monet_23, Edtherson_22, Buttons_22, Treddle_23
• Track 9 : Gwendoluna_23
• Track 10 : MrGordo_21, ProMouse_22, Big3_21
• Track 11 : Papez_23
• Track 12 : Bigfoot_20
• Track 13 : Ichabod_22, Ajay_21, Espresso_21, KBG_22
• Track 14 : Rutherferd_23
• Track 15 : BaconJack_23
• Track 16 : Graduation_23
• Track 17 : Smeagol_23
• Track 18 : Gachnar_21
• Track 19 : Jasper_22
• Track 20 : PeaceMeal1_21, Drake94_21, KittenMittens_21, Severus_21, Trike_20, Poompha_21
• Track 21 : Kristoff_23, Rowdy_25, RhynO_23, Shapes_25, DustyMartin_25, Rebeuca_23
• Track 22 : Eaglepride_23, Edison31_22, WalterMcMickey_22, Twister_22, Topanga_22
• Track 23 : DontArgue_21
• Track 24 : OKCentral2016_22, Goose_22, Chupacabra_22
• Track 25 : Kimba_23, Insomnia_23, Flaverint_23, Salz_23, Hutc2_23, Bachome_23, Orange_23, Ebony_23, Jabith_23, Timothy_23, Sham4_23, TinyTimmy_23, Joselito_23, Et2Brutus_22, Wolpertinger_22, Aneem_23, Fibonacci_23, Saskia_23, Mulciber_23, Petersenfast_23, Snape_23, Munch_23, Lucivia_23, Bowtie_23, Gilberta_23, MaCh_23, Bud_23
• Track 26 : Mabel_23
• Track 27 : Zimmer_25
• Track 28 : Pharaoh_23
• Track 29 : Refuge_26, Steamy_24
• Track 30 : DarthPhader_24
• Track 31 : Phlei_18
• Track 32 : Jeeves_22
• Track 33 : Gail_22
• Track 34 : SororFago_22
• Track 35 : Luchador_24
• Track 36 : Sunhee_22
• Track 37 : Anon_23
• Track 38 : Boohoo_25, Strosahl_25, DekHockey33_25, Oofda_25, Looper_26, Remus_25, Rosalind_25, Battleship_26, ShayRa_26, Switzerland_25, Warrior24_25, Soups_25, MinecraftSteve_26, Waits_25, KatherineG_25, Nebulosus_25, Ravana_25, JSwag_25, LastResort_25, Epsocamisio_25, Anaysia_25, ReMo_25
• Track 39 : Elle_23
• Track 40 : LogiBear_25
• Track 41 : Nedarya_24
• Track 42 : Lucyedi_24, EagleEye_25, PainterBoy_24
• Track 43 : 40AC_26
• Track 44 : MyraDee_20

• Track 45 : Kimona_19
• Track 46 : SemperFi_25
• Track 47 : Trooper_23
• Track 48 : TipsytheTRex_22, Serenity_22
• Track 49 : Benvolio_23, Echild_23
• Track 50 : Naji_26, DBQu4n_26, D32_26, Kerberos_26, StarStuff_26, Tomathan_26, D29_23, Travvers_26, Pomar16_26
• Track 51 : Whabigail7_25, Jerm_25, Agape74_25, LilTurb_25
• Track 52 : Acolyte_23
• Track 53 : FiringLine_23, QueenBeesly_23
• Track 54 : Dignity_25, Bugsy_25, AbbyPaige_25, Leviathan_25, Smeagan_25
• Track 55 : Colin_26
• Track 56 : Retro23_23, Dalmatian_23
• Track 57 : Adzzy_24, Ph8s_24, Che12_25
• Track 58 : IronMan_25
• Track 59 : Flare16_23, Baehexic_24, Gratitude_25, Sknot_23, Terrific_25, WideWale_25, HarryHoudini_25, Updawg_25, Equemioh13_25, Piro94_24, NaSiaTalie_23
• Track 60 : MissWhite_23
• Track 61 : L5_23, Koduck_24
• Track 62 : Phaded_26, Landor_24, Jaan_26
• Track 63 : Tristan_24
• Track 64 : BobSwaget_26, Miko_26
• Track 65 : NothingSpecial_25
• Track 66 : Malec_24, Larenn_24
• Track 67 : Jsquared_22
• Track 68 : Bradman_22, MajorMajor_22, Quokka_21
• Track 69 : Centaur_25
• Track 70 : ANI8_26, AN9_26, VC3_26, Duplo_26, C3_21
• Track 71 : AnnaL29_26
• Track 72 : SweetiePie_23, Georgie2_24, SnapTap_23, Crucio_23, Power_23
• Track 73 : AN3_23, VA6_23
• Track 74 : XianYue_23
• Track 75 : Superchunk_22, Caraxes_22
• Track 76 : Iwokeuplikedis_24
• Track 77 : Odin_22
• Track 78 : Pukovnik_25, Bactobuster_24
• Track 79 : KingCyrus_25, ChipMunk_25
• Track 80 : Anselm_23, DudeLittle_23
• Track 81 : NicoleTera_27
• Track 82 : EvilGenius_25
• Track 83 : LionsBait_24, HippoHollow_24
• Track 84 : ForesterFrank_25
• Track 85 : BiancaTri92_25
• Track 86 : TarsusIV_23
• Track 87 : EZMoney23_27
• Track 88 : Changeling_26, ArcherNM_25
• Track 89 : CRB1_23
• Track 90 : Trixie_26
• Track 91 : JoshKayV_25
• Track 92 : Prudy_26
• Track 93 : DeerParkTS_24
• Track 94 : Fameo_23, QueenB2_23, Heffalump_25

• Track 95 : RedRock_26
• Track 96 : 20ES_23, First_0023
• Track 97 : Leogania_25
• Track 98 : Lokk_26, Rachaly_26
• Track 99 : Herbertwm_20
• Track 100 : LadyBird_23
• Track 101 : Drake55_25, MiculUcigas_23
• Track 102 : BabyBack_25
• Track 103 : SwirlSquare_24
• Track 104 : GaugeLDP_25
• Track 105 : Turbido_25
• Track 106 : Kalpine_26
• Track 107 : BengiVuitton_24, Deloris_24
• Track 108 : Journey13_21
• Track 109 : WeiHuaDA_28
• Track 110 : Loser_26
• Track 111 : Anthony_22
• Track 112 : FatCactus_21
• Track 113 : Kinmap_22
• Track 114 : Chargerpower_23
• Track 115 : LBerry_24, Hercules11_24, Montavir_23, AgronaGT15_24, TinyPebbles_24, Croquant_25, PotatoSplit_25, KADY_25, Mainiac_24, Cullens_24, Gwennie_24, Stagni_24, LugYA_26, Sabia_24, Lilith_24, Farber_24, Dieselweasel_24, Malinsilva_26, Vix_24, Rummer_24, Spike509_24, Grub_24, Grum1_24, SoYo_24, Phoebe_24, Anubis_26, Methuselah_23, Beauxregard13_24, Louie6_24, Bxz2_23, Soshari_26, MadMarie_24, StepMih_24, PGHhamlin_26, Misomonster_26, Penny1_24, EpicPhail_24, AugsMagnumOpus_26, Aglet_24, Tiffany_24, Watson_24, BreSam8_24, GingkoMaracino_24, OlanP_24, Bigflo_24, Microwolf_24, Pembroke_24, Wooldri_26, Fernando_24, MuchMore_26, BuzzBuzz_23, Phoxy_24, DaHudson_24, Colbster_24, Marie_24, Lowa_24, Snickers_24, LarryKay_24, MarQuardt_24, P28Green_24, Daishi_23, JHC117_24, Sabinator_24, GtownJaz_24, JenCasNa_24, Grif_24, MoneyMay_24, Taurus_24, HashRod_25
• Track 116 : Texage_22, Hookmount_23, Margo_23, QuinnKiro_22, Veracruz_22, Lambert1_23, Norbert_22, Todacoro_23, Caviar_23, Panamaxus_22, Pocahontas_23, Noella_23, ResDef_23, Popcicle_23, EtoileNova_23
• Track 117 : DropBear_22, HelDan_22, Pistachio_23, Goose1D_22, Giroux_23, BlueBird_23, Heathen_22, Roimos_22, Goose1X_22, Kachowdy_22, Idleandcovert_22, Marchesa_22, Bugatti_23, Clammy_23, SaturnRing_22, Shep_22, Scout_22, Zarafa_22
• Track 118 : Rockstar_22, JF2_22, Isca_22, JF4_22, B1_20, MK4_22
• Track 119 : Phranny_25, PurpleHaze_24, Jobu08_24, ACFishhook_24, JeppNRM_25, Pawn_24, Gemma_24, Ollie_24, Manu_25, HaveUMetTed_25, SoilDragon_24, Groupthink_25, Kalnoky_25, Calvinny_24, ClownCar_24, Kalb97_25, Reba_25, Marius_25, Heliosoles_24, PhishRPhriends_23
• Track 120 : Fred313_22
• Track 121 : Phantastic_22
• Track 122 : Puppy_23, TNguyen7_22
• Track 123 : Cat_20, BabyRay_22
• Track 124 : MA5_22
• Track 125 : Zetzy_23
• Track 126 : BabyJohn_21, Chiqui_21

• Track 127 : Mundrea_22, Stink_23, Shygu2_22, Miramae_22, Cindaradix_21, AbbysRanger_22, AvatarAhPeg_23
• Track 128 : Alberto7_23, Camperdownii_21, JetBlade_22, Gadost_22, Connomayer_22, KFPoly_22, LHTSCC_23, LeoAvram_22, Florean_22, ICleared_22, Dhanush_22, Caelakin_22, LittleB_22, Druantia_22, LittleGuy_22, Cerulean_23, Holli_22, Citius_22, TinaFeyge_22, Albee_22, Skipitt_22, Lunsford_23, Kingmustik0402_22, Medusa_22, Kampy_22, LappelDuVide_22, Funston_22, Romney_22, Deano_22, Rocksand_22, Happiness_22, Eros_22, Cocoaberry_22, TroyPia_22, Palestino_22, BellusTerra_22, Phighter1804_22, ChampagnePapi_23, Buckaroo_21, Scamp_22, Commander_22, Burger_21, Wilbur_22, Arturo_21, Chaph_22, RockieBear_22, Flux_22, NotAPhaseMom_22, Phontbonne_22, Maverick_22, Phacado_22, Eagle_21, Sabertooth_22, Northrop_22, Shaka_22, KekoraPapaka_21, Ohfah_22, Melvin_22, JoongJeon_22, OKaNui_23, Abdiel_22, CentreCat_22, Millski_22, SenorClean_22, TiroTheta9_22, BangNhom_22, Broseidon_22, Phelipe_22, Polymorphads_22, Taquarus_22, Lorenzo_22, SheldonCooper_23, PeterPeter_22, Wizard007_22, Bombshell_22, Relief_22, Sultana_22, Nebs_22, Kyee_22, Thanksgivukkah_22, Lemur_22, Maxo_22, Tinybot_21, Blackmoor_22, YoSam321_22, Eris_22, Houdini22_22, Kratark_22, Mayonnaise_22, Wander_22, Iracema64_23, DirtyDunning_22, Clarenza_22, Nyxis_22, HamSlice_21, Eurydice_22, BubbleTrouble_22, Pumbaa_22, Jaykayelowell_22, TygerBlood_22, Huxley_22, Ulysses_21, Spino_22, Roosevelt_22, Bruiser_22, Skadoosh_22, Koreni_21, Ruin_22, Mazhar510_22, SteMason_22, Morrow_22, Pipcraft_22, Junimo_21, Sparxx_22, Baby16_22, Bartimeaus_22, Rosa24_21, Kremtemulon_22, LochMonster_22, Eapen_22, Iceman_23, Obama12_23, Koan_22, NorthStar_22, Peaches_22, Annyong_22, MeeZee_22, Avle17_22
• Track 129 : Nemo27_22
• Track 130 : Badger_22, Wile_22, Achebe_22, Xena_22, Datway_22, Backyardigan_22
• Track 131 : Bumblebee11_22, Cici_22, Morpher26_22, Perplexer_22, PetiteSangsue_22, Katalie136_22
• Track 132 : Stasia_23
• Track 133 : Cintron_22
• Track 134 : Noelle_22
• Track 135 : Chadwick_20
• Track 136 : Archetta_19, ForGetIt_19, Florence1_19, Jovo_19, Aragog_19, Milcery_19, Cuco_19, Twigg_19, Tarynearal_18, Midas2_19, HuhtaEnerson15_19, Florence4_20, Phlorence_19, PickleBack_19, Prinashe11_19, Swirley_19, Coog_19, Bluefalcon_18, George_18, Discoknowium_19, LittleCherry_19, AgentM_19, Micasa_19
• Track 137 : Tiger_19, Conspiracy_19
• Track 138 : ElTiger69_19, Benedict_19, Scorpia_20, Airmid_19
• Track 139 : UnionJack_19
• Track 140 : Jabiru_19
• Track 141 : Dublin_18, Theia_17, MarysWell_18
• Track 142 : Lev2_19
• Track 143 : Bonamassa_19
• Track 144 : Naca_19
• Track 145 : Zolita_18, SydNat_19, Ghoulboy_19
• Track 146 : PetterN_20
• Track 147 : SuperAwesome_26, JewelBug_26, Polyphemus_26, BennyP_26, Neeharika16_26, SuperCallie99_26, Cookiedough_26, Kazan_26, Imbriano_26, Isiphiwo_26, GreedyLawyer_26, EricB_26, Pmask_26, McFly_26, SmellyB_26,

VohminGhazi_26, BABullseye_26, Newrala_26, Chartreuse_26, Kipper29_26, Dorothea_26, DaVinci_26, DelvinSonDorr_25, Jordennis_26, Hoot_26
• Track 148 : Indra_26, Hexamo_26, CloudWang3_26, Gladiator_26, Jeffabunny_26, Blue7_26, Hammer_26, Gruunaga_26, Artemis2UCLA_26, Roksolana_26
• Track 149 : Garak_27, Helmet_26, Candra_26, Temprado_26
• Track 150 : BlessJoy_26, Wiks_26, Rifter_26, Tucker_26, Zaka_26, Lilbunny_26, Yokurt_26, ToneTone_24, Zulu_26, WunderPhul_26
• Track 151 : Koko_26
• Track 152 : Priamo_26
• Track 153 : Blinn1_26
• Track 154 : Toro_25, Sheen_24, FlyCatcher_26
• Track 155 : HINdeR_22, DroogsArmy_23, Timshel_23
• Track 156 : PP_32
• Track 157 : Dixon_19, Caitlin_19, Smeadley_19, Danforth_18, Expelliarmus_18, Saintus_19, Groundhog_18, Stephig9_19, Astro_19
• Track 158 : Roary_19
• Track 159 : Phillis_19
• Track 160 : NearlyHeadless_19
• Track 161 : Charm_23, Klodlith_23, DreamTeam1_23
• Track 162 : Darrell_25
• Track 163 : Conquerage_24, Lilleskat_24, Jiawan_24, Beemo_24, ExplosioNervosa_24, Holex_24, EdogawaKiddo_24, Onglai_23, Hanray_24, Scherzo_24, Qobbit_24, Pioneer_24, Ugenie5_21, Phonnegut_24, RyeScarlet_24, Ayanochan_24, Sachima_24
• Track 164 : Arissanae_22
• Track 165 : Fayely_24, Aliter_24, Tubs_24, Catalina_24, PackMan_24, Phaeder_24, Myxus_24, HortumSL17_24
• Track 166 : Spouty_24, Priya_24, EmyBug_24, Alma_24, Eidsmoe_24
• Track 167 : Toaka_22
• Track 168 : CogOmlette_21, Rahalelujah_22, Bellris_22, Minispark_21, WorldCup_21
• Track 169 : Vanisoa_22
• Track 170 : BogosyJay_24
• Track 171 : SheaKeira_23
• Track 172 : Celestialunch_22, MegTheThird_22
• Track 173 : Yecey3_23
• Track 174 : Elephantoon_24
• Track 175 : Keziacharles14_22
• Track 176 : Maminiaina_24
• Track 177 : LoneWolf_24
• Track 178 : Kaine_15, Vanseggelen_19, Conan_16, Dexers_14, Celery_18, Provolone_16, Alsaber_16, Sudan_15, Pavo_16, ElGato_16
• Track 179 : Speedwell_20
• Track 180 : ZamZam_15, Saftant_15
• Track 181 : Yosif_16
• Track 182 : Verabelle_16
• Track 183 : Jhitchelle_14
• Track 184 : Espica_18, Gollum_18, Naiad_18, Belenaria_18, Phrankenstein_18, Erik_18, CosmicSans_18, Swann_18, TWAMP_18, Alatin_18, Bradshaw_18, Lillie_18, Natosaleda_18, RER2_11, UhSalsa_18, Nancinator_18, Rhodalysa_18, StCroix_18, Shuman_18
• Track 185 : Yoncess_18, Alpacados_17, Harlequin_18, Bonanza_18, Partridge_18, Bryce_18, BobbyDazzler_18, Yogi_18

• Track 186 : Dinger_18
• Track 187 : AngryOrchard_17
• Track 188 : Hiro_18, Krishelle_18, AppleCloud_16
• Track 189 : Takoda_18
• Track 190 : PhailMary_17
• Track 191 : RGL3_11
• Track 192 : RexFury_18
• Track 193 : Jester_18
• Track 194 : Rasputin_18
• Track 195 : Attoomi_12
• Track 196 : Tailonex_19
• Track 197 : EmiRose_12

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

The start number called the most often in the published annotations is 22, it was called in 500 of the 910 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_23, 40AC_26, A6_19, AFIS_21, AN3_23, AN9_26, ANI8_26, AbbyPaige_25, Abbyshoes_22, Abrogate_220, Acme_23, Acolyte_23, Adahisdi_22, Adzzy_24, Aeneas_23, Agaliana_21, Agape74_25, Ajay_21, Aldrich_22, Aliter_24, Alma_24, Alsaber_16, Alsfro_25, Altman_23, Alvin_22, Aneem_23, Anglerfish_22, AnnaL29_26, Anselm_23, Anthony_22, Applejack_21, Arcanine_22, ArcherNM_25, Arissanae_22, Arlo_20, Artemis2UCLA_26, Ashballer_20, Atkinbua_22, Attoomi_12, Ayanochan_24, BABullseye_26, BK1_19, BPBiebs31_22, BabyBack_25, BabyJohn_21, Bachome_23, BaconJack_23, Bactobuster_24, Baehexic_24, Barriga_21, BarrowTuph_20, Beatrix_20, Beemo_24, BeesKnees_22, Bellris_22, BengiVuitton_24, BennyP_26, Benvolio_23, Bethlehem_21, Bexan_20, BiancaTri92_25, Big3_21, BigMau_23, BigPaolini_22, Bigchungi_21, Bigfoot_20, BillKnuckles_22, Bircsak_21, Blackflame_21, BlessJoy_26, Blesser_21, Blinn1_26, BluSpix_21, Blue7_26, Blue_21, Bob3_20, BobSwaget_26, BogosyJay_24, Bonamassa_19, Bones_21, Bowtie_23, Bradman_22, Briton15_23, Bruns_20, Bud_23, Bugsy_25, Burton_22, Buttons_22, Bxb1_19, C3_21, CRB1_23, CactusRose_20, Candra_26, Caraxes_22, Carlyle_23, CartmannCramer_21, CatBus_22, Catalina_24, Celery_18, Celestialunch_22, Centaur_25, Chanagan_20, Changeling_26, Chargerpower_23, Charm_23, Chartreuse_26, Che12_25, ChipMunk_25, Chiqui_21, ChristmasHams_21, Ciao_21, CloudWang3_26, CogOmlette_21, Colin_26, Conan_16, ConceptII_22, Conquerage_24, Cookiedough_26, Corvo_21, Crispicous1_20, Crucio_23, Cueylyss_21, D29_23, D32_26, DBQu4n_26, DD5_22, DaVinci_26, Dalmatian_23, Darrell_25, DarthPhader_24, DeerParkTS_24, Deloris_24, DelvinSonDorr_25, Dexers_14, Dexes_22, Dignity_25, DirtDevil_22, Doom_22, Dorothea_26, DrFeelGood_20, Drake55_25, DreamCatcher_24, DreamTeam1_23, Dreamboat_22, DroogsArmy_23, DudeLittle_23, Dulcie_20, Duplo_26, Dussy_22, Dynamix_22, EZMoney23_27, EagleEye_25, Ebony_23, Echild_23, EdogawaKiddo_24, Edtherson_22, Eidsmoe_24, ElGato_16, Elephantoon_24, EmyBug_24, EnzoK_22, Equemioh13_25, EricB_26, Espresso_21, Et2Brutus_22, Euphoria_21, EvilGenius_25, ExplosioNervosa_24, Eyeball_21, Fajezeel_23, Fameo_23, Fascinus_20, FatCactus_21, Fayely_24, Fenn_22, Fibonacci_23, FiringLine_23, First_0023,

Flare16_23, Flaverint_23, FlyCatcher_26, ForesterFrank_25, Forsytheast_20, Francis47_21, Froghopper_22, Fushigi_22, GMonster_20, Gachnar_21, GageAP_23, Gandalf20_22, Garak_27, GaugeLDP_25, Georgie2_24, Gilberta_23, Gladiator_26, Gompeii16_21, Graduation_23, Gratitude_25, GrecoEtereo_22, GreedyLawyer_26, Greg_23, GroundGoblin_22, Gruunaga_26, Gwendoluna_23, Gyzlar_23, HINdeR_22, Hami1_23, Hammer_26, HanShotFirst_21, Hanray_24, HarryHoudini_25, HarryOW_22, Heffalump_25, Helmet_26, Herbertwm_20, Hermia_23, HermioneGrange_21, Hexamo_26, HippoHollow_24, Holex_24, Homines_21, Hoot_26, Hope4ever_21, HortumSL17_24, Hutc2_23, ILeeKay_23, Ichabod_22, IgnatiusPatJac_20, Imbriano_26, Indra_26, Insomnia_23, Inyanga_20, Iqorha_20, Isiphiwo_26, Iwokeuplikedis_24, JC27_23, Jabith_23, JackSparrow_22, Jasper_22, Jeffabunny_26, Jerm2_22, Jerm_25, JewelBug_26, Jhitchelle_14, Jiawan_24, Jordennis_26, Jorgensen_21, Joselito_23, JoshKayV_25, Journey13_21, Jsquared_22, JuliaChild_23, KBG_22, KSSJEB_21, Kaine_15, Kalpine_26, Kanely_22, Kazan_26, Kenmech_24, Kerberos_26, Keziacharles14_22, KikiBouba_23, Killigrew_19, Kimba_23, Kimona_19, KingCyrus_25, Kinmap_22, Kipper29_26, Klodlith_23, Koko_26, Kugel_22, KyMonks1A_23, Kykar_19, LadyBird_23, Lamina13_21, Larenn_24, Leogania_25, Lesedi_20, Levia_21, Leviathan_25, Licorice_23, LilBib_22, LilTurb_25, Lilbunny_26, Lilleskat_24, LionsBait_24, Lockley_21, Lokk_26, LoneWolf_24, Lopton_22, Loser_26, Luchador_24, Lucivia_23, Lucyedi_24, LunarLander_21, MPlant7149_20, MaCh_23, Mabel_23, Magnar_21, Magnito_20, MajorMajor_22, Makemake_21, Malec_24, Maminiaina_24, Manatee_22, Marcell_21, Marchy_20, Marco3_21, Marge_22, Maroc7_20, Marsha_21, MaryBeth_21, McFly_26, McGuire_22, McSinger_22, MegTheThird_22, MetalQZJ_21, Michley_21, MiculUcigas_23, Miko_26, MilleFeuille_20, Minispark_21, MissWhite_23, Mkhuseli_22, Molly_22, Monet_23, Moose_20, MrGordo_21, Mryolo_20, Mulciber_23, Mule_21, Munch_23, Museum_23, Myxus_24, NEHalo_21, NaSiaTalie_23, Naira_22, Naji_26, Neeharika16_26, Nerujay_22, Newrala_26, Nhonho_21, NicoleTera_27, Niza_23, Norz_23, NothingSpecial_25, Noxious_23, Odin_22, Ohno789_21, Onglai_23, Oogway_20, Orange_23, PP_32, PSullivan_23, PacerPaul_21, PackMan_24, PainterBoy_24, Papez_23, Paphu_20, Paraselene_20, Pari_22, Parliament_20, PascalRango_20, PattyP_23, Pavo_16, Payneful_21, Pelly_22, Pepe_22, Perseus_22, Petersenfast_23, Peterson_24, Petp2012_23, Petruchio_21, Ph8s_24, Phaeder_24, Pharaoh_23, PherrisBueller_22, PhineBark_20, Phlei_18, Phlippers_20, Phonnegut_24, PhrostyMug_21, PinkPlastic_20, Pinto_23, Pioneer_24, Pippin_23, Piro94_24, Pita2_23, Pmask_26, Polyphemus_26, Pomar16_26, PowerRanger_21, Power_23, Priamo_26, Priya_24, ProMouse_22, Provolone_16, Prudy_26, Pukovnik_25, Puppet_21, QTRlifeCrisis_21, Qobbit_24, QueenB2_23, QueenBeesly_23, Quokka_21, Rachaly_26, Rahalelujah_22, Raid_21, Rajelicia_21, RedRock_26, Refuge_26, Retro23_23, Rhynn_21, RidgeCB_21, Rifter_26, Ringer_21, Rohr_22, Roksolana_26, Rubeus_22, Rufus_22, Ruotula_20, Rutherferd_23, RyeScarlet_24, STLscum_22, Sachima_24, Saftant_15, Sagefire_22, Salz_23, Sandaddy_20, Sanya_21, SarFire_21, Saskia_23, Scherzo_24, Scowl_22, Seabiscuit_23, Seanderson_22, SemperFi_25, Serenity_22, Sham4_23, SheaKeira_23, Sheen_24, ShortQueendom_21, Sibs6_23, SkiPole_23, Sknot_23, Slagathor_22, Smairt_22, Smeagan_25, Smeagol_23, SmellyB_26, SnapTap_23, Snape_23, Snazzy_19, Solon_21, Sorpresa_21, Speedwell_20, SpikeBT_23, Spouty_24, Squee_22, StarStuff_26, Steamy_24, StewieG_20, StrongArm_20, Sudan_15, Sumter_20, Sunhee_22, Sunshine924_20, SuperAwesome_26, SuperCallie99_26, Superchunk_22, SweetiePie_23, SwirlSquare_24, SwissCheese_21, Switzer_22, Swole_23, Tailonex_19, Target_23, TarsusIV_23, Tasp14_22, Temprado_26, Teodoridan_19, Terrific_25, TheloniousMonk_23,

Thor_21, Timothy_23, Timshel_23, TinyTimmy_23, TipsytheTRex_22, Toaka_22, Tomathan_26, ToneTone_24, Topgun_21, Toro_25, Tote_23, Traft412_23, Travvers_26, Treddle_23, Tripl3t_22, Trixie_26, Trooper_23, Trouble_21, Tubs_24, Tucker_26, Turbido_25, Turj99_20, TwoPeat_22, U2_21, Ugenie5_21, Updawg_25, VA6_23, VC3_26, Vanisoa_22, Vanseggelen_19, Verabelle_16, Violet_20, VohminGhazi_26, Watermelon_23, WeiHuaDA_28, Whabigail7_25, Wheeler_21, Whitspit_22, WideWale_25, Wiks_26, Wilkins_21, Wolpertinger_22, WorldCup_21, WunderPhul_26, XianYue_23, Yecey3_23, Yokurt_26, Yosif_16, Zaka_26, ZamZam_15, Zeeculate_20, Zephyr_21, Zeuska_22, Zimmer_25, Zulu_26,

Genes that have the "Most Annotated" start but do not call it:
• AgentM_19, Airmid_19, Aragog_19, Archetta_19, Benedict_19, Bluefalcon_18, Chadwick_20, Conspiracy_19, Coog_19, Cuco_19, Discoknowium_19, Dublin_18, ElTiger69_19, Florence1_19, Florence4_20, ForGetIt_19, George_18, Ghoulboy_19, HuhtaEnerson15_19, Jabiru_19, Jovo_19, Lev2_19, LittleCherry_19, MarysWell_18, Micasa_19, Midas2_19, Milcery_19, Naca_19, PetterN_20, Phlorence_19, PickleBack_19, Prinashe11_19, Scorpia_20, Swirley_19, SydNat_19, Tarynearal_18, Theia_17, Tiger_19, Twigg_19, UnionJack_19, Zolita_18,

Genes that do not have the "Most Annotated" start:
• ACFishhook_24, AbbysRanger_22, Abdiel_22, Achebe_22, Aglet_24, AgronaGT15_24, Alatin_18, Albee_22, Alberto7_23, Alpacados_17, Anaysia_25, AngryOrchard_17, Annyong_22, Anon_23, Anubis_26, AppleCloud_16, Arturo_21, Astro_19, AugsMagnumOpus_26, AvatarAhPeg_23, Avle17_22, B1_20, Baby16_22, BabyRay_22, Backyardigan_22, Badger_22, BangNhom_22, Bartimeaus_22, Battleship_26, Beauxregard13_24, Belenaria_18, BellusTerra_22, Bigflo_24, Blackmoor_22, BlueBird_23, BobbyDazzler_18, Bombshell_22, Bonanza_18, Boohoo_25, Bradshaw_18, BreSam8_24, Broseidon_22, Bruiser_22, Bryce_18, BubbleTrouble_22, Buckaroo_21, Bugatti_23, Bumblebee11_22, Burger_21, BuzzBuzz_23, Bxz2_23, Caelakin_22, Caitlin_19, Calvinny_24, Camperdownii_21, Cat_20, Caviar_23, CentreCat_22, Cerulean_23, ChampagnePapi_23, Chaph_22, Chupacabra_22, Cici_22, Cindaradix_21, Cintron_22, Citius_22, Clammy_23, Clarenza_22, ClownCar_24, Cocoaberry_22, Colbster_24, Commander_22, Connomayer_22, CosmicSans_18, Croquant_25, Cullens_24, DaHudson_24, Daishi_23, Danforth_18, Datway_22, Deano_22, DekHockey33_25, Dhanush_22, Dieselweasel_24, Dinger_18, DirtyDunning_22, Dixon_19, DontArgue_21, Drake94_21, DropBear_22, Druantia_22, DustyMartin_25, Eagle_21, Eaglepride_23, Eapen_22, Edison31_22, Elle_23, EmiRose_12, EpicPhail_24, Epsocamisio_25, Erik_18, Eris_22, Eros_22, Espica_18, EtoileNova_23, Eurydice_22, Expelliarmus_18, Farber_24, Fernando_24, Florean_22, Flux_22, Fred313_22, Funston_22, Gadost_22, Gail_22, Gemma_24, GingkoMaracino_24, Giroux_23, Gollum_18, Goose1D_22, Goose1X_22, Goose_22, Grif_24, Groundhog_18, Groupthink_25, Grub_24, Grum1_24, GtownJaz_24, Gwennie_24, HamSlice_21, Happiness_22, Harlequin_18, HashRod_25, HaveUMetTed_25, Heathen_22, HelDan_22, Heliosoles_24, Hercules11_24, Hiro_18, Holli_22, Hookmount_23, Houdini22_22, Huxley_22, ICleared_22, Iceman_23, Idleandcovert_22, Iracema64_23, IronMan_25, Isca_22, JF2_22, JF4_22, JHC117_24, JSwag_25, Jaan_26, Jaykayelowell_22, Jeeves_22, JenCasNa_24, JeppNRM_25, Jester_18, JetBlade_22, Jobu08_24, JoongJeon_22, Junimo_21, KADY_25, KFPoly_22, Kachowdy_22, Kalb97_25, Kalnoky_25, Kampy_22, Katalie136_22, KatherineG_25, KekoraPapaka_21, Kingmustik0402_22, KittenMittens_21, Koan_22, Koduck_24, Koreni_21, Kratark_22, Kremtemulon_22, Krishelle_18, Kristoff_23, Kyee_22, L5_23, LBerry_24, LHTSCC_23, Lambert1_23, Landor_24, LappelDuVide_22, LarryKay_24,

LastResort_25, Lemur_22, LeoAvram_22, Lilith_24, Lillie_18, LittleB_22, LittleGuy_22, LochMonster_22, LogiBear_25, Looper_26, Lorenzo_22, Louie6_24, Lowa_24, LugYA_26, Lunsford_23, MA5_22, MK4_22, MadMarie_24, Mainiac_24, Malinsilva_26, Manu_25, MarQuardt_24, Marchesa_22, Margo_23, Marie_24, Marius_25, Maverick_22, Maxo_22, Mayonnaise_22, Mazhar510_22, Medusa_22, MeeZee_22, Melvin_22, Methuselah_23, Microwolf_24, Millski_22, MinecraftSteve_26, Miramae_22, Misomonster_26, MoneyMay_24, Montavir_23, Morpher26_22, Morrow_22, MuchMore_26, Mundrea_22, MyraDee_20, Naiad_18, Nancinator_18, Natosaleda_18, NearlyHeadless_19, Nebs_22, Nebulosus_25, Nedarya_24, Nemo27_22, Noella_23, Noelle_22, Norbert_22, NorthStar_22, Northrop_22, NotAPhaseMom_22, Nyxis_22, OKCentral2016_22, OKaNui_23, Obama12_23, Ohfah_22, OlanP_24, Ollie_24, Oofda_25, P28Green_24, PGHhamlin_26, Palestino_22, Panamaxus_22, Partridge_18, Pawn_24, PeaceMeal1_21, Peaches_22, Pembroke_24, Penny1_24, Perplexer_22, PeterPeter_22, PetiteSangsue_22, Phacado_22, Phaded_26, PhailMary_17, Phantastic_22, Phelipe_22, Phighter1804_22, Phillis_19, PhishRPhriends_23, Phoebe_24, Phontbonne_22, Phoxy_24, Phrankenstein_18, Phranny_25, Pipcraft_22, Pistachio_23, Pocahontas_23, Polymorphads_22, Poompha_21, Popcicle_23, PotatoSplit_25, Pumbaa_22, Puppy_23, PurpleHaze_24, QuinnKiro_22, RER2_11, RGL3_11, Rasputin_18, Ravana_25, ReMo_25, Reba_25, Rebeuca_23, Relief_22, Remus_25, ResDef_23, RexFury_18, Rhodalysa_18, RhynO_23, Roary_19, RockieBear_22, Rocksand_22, Rockstar_22, Roimos_22, Romney_22, Roosevelt_22, Rosa24_21, Rosalind_25, Rowdy_25, Ruin_22, Rummer_24, Sabertooth_22, Sabia_24, Sabinator_24, Saintus_19, SaturnRing_22, Scamp_22, Scout_22, SenorClean_22, Severus_21, Shaka_22, Shapes_25, ShayRa_26, SheldonCooper_23, Shep_22, Shuman_18, Shygu2_22, Skadoosh_22, Skipitt_22, Smeadley_19, Snickers_24, SoYo_24, SoilDragon_24, SororFago_22, Soshari_26, Soups_25, Sparxx_22, Spike509_24, Spino_22, StCroix_18, Stagni_24, Stasia_23, SteMason_22, StepMih_24, Stephig9_19, Stink_23, Strosahl_25, Sultana_22, Swann_18, Switzerland_25, TNguyen7_22, TWAMP_18, Takoda_18, Taquarus_22, Taurus_24, Texage_22, Thanksgivukkah_22, Tiffany_24, TinaFeyge_22, TinyPebbles_24, Tinybot_21, TiroTheta9_22, Todacoro_23, Topanga_22, Trike_20, Tristan_24, TroyPia_22, Twister_22, TygerBlood_22, UhSalsa_18, Ulysses_21, Veracruz_22, Vix_24, Waits_25, WalterMcMickey_22, Wander_22, Warrior24_25, Watson_24, Wilbur_22, Wile_22, Wizard007_22, Wooldri_26, Xena_22, YoSam321_22, Yogi_18, Yoncess_18, Zarafa_22, Zetzy_23,

Summary by start number:

Start 2:
• Found in 81 of 975 (8.3%) of genes in pham
• Manual Annotations of this start: 76 of 910
• Called 98.8% of time when present
• Phage (with cluster) where this start called: AgentM_19 (A5), Airmid_19 (A5), Alatin_18 (CA), Alpacados_17 (CA), AngryOrchard_17 (CA), AppleCloud_16 (CA), Aragog_19 (A5), Archetta_19 (A5), Belenaria_18 (CA), Benedict_19 (A5), Bluefalcon_18 (A5), BobbyDazzler_18 (CA), Bonanza_18 (CA), Bradshaw_18 (CA), Bryce_18 (CA), Chadwick_20 (A5), Conspiracy_19 (A5), Coog_19 (A5), CosmicSans_18 (CA), Cuco_19 (A5), Dinger_18 (CA), Discoknowium_19 (A5), Dublin_18 (A5), ElTiger69_19 (A5), Erik_18 (CA), Espica_18 (CA), Florence1_19 (A5), Florence4_20 (A5), ForGetIt_19 (A5), George_18 (A5), Ghoulboy_19 (A5), Gollum_18 (CA), Harlequin_18 (CA), Hiro_18 (CA), HuhtaEnerson15_19 (A5), Jabiru_19 (A5), Jester_18 (CA), Jovo_19 (A5), Krishelle_18 (CA), Lev2_19 (A5),

Lillie_18 (CA), LittleCherry_19 (A5), MarysWell_18 (A5), Micasa_19 (A5), Midas2_19 (A5), Milcery_19 (A5), MyraDee_20 (A18), Naca_19 (A5), Naiad_18 (CA), Nancinator_18 (CA), Natosaleda_18 (CA), Partridge_18 (CA), PetterN_20 (A5), PhailMary_17 (CA), Phlorence_19 (A5), Phrankenstein_18 (CA), PickleBack_19 (A5), Prinashe11_19 (A5), RER2_11 (CA), RGL3_11 (CA), Rasputin_18 (CA), RexFury_18 (CA), Rhodalysa_18 (CA), Scorpia_20 (A5), Shuman_18 (CA), StCroix_18 (CA), Swann_18 (CA), Swirley_19 (A5), SydNat_19 (A5), TWAMP_18 (CA), Takoda_18 (CA), Tarynearal_18 (A5), Theia_17 (A5), Tiger_19 (A5), Twigg_19 (A5), UhSalsa_18 (CA), UnionJack_19 (A5), Yogi_18 (CA), Yoncess_18 (CA), Zolita_18 (A5),

Start 15:
• Found in 1 of 975 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 910
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EmiRose_12 (singleton),

Start 18:
• Found in 12 of 975 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 910
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Roary_19 (A8),

Start 19:
• Found in 3 of 975 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 910
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gail_22 (A14), Jeeves_22 (A14), SororFago_22 (A14),

Start 20:
• Found in 5 of 975 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 910
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IronMan_25 (A2), Jaan_26 (A2), Landor_24 (A2), Phaded_26 (A2), Tristan_24 (A2),

Start 21:
• Found in 348 of 975 (35.7%) of genes in pham
• Manual Annotations of this start: 322 of 910
• Called 99.1% of time when present
• Phage (with cluster) where this start called: ACFishhook_24 (A3), AbbysRanger_22 (A4), Abdiel_22 (A4), Achebe_22 (A4), Aglet_24 (A3), AgronaGT15_24 (A3), Albee_22 (A4), Alberto7_23 (A4), Anaysia_25 (A15), Annyong_22 (A4), Anon_23 (A15), Anubis_26 (A3), Arturo_21 (A4), Astro_19 (A8), AugsMagnumOpus_26 (A3), AvatarAhPeg_23 (A4), Avle17_22 (A4), B1_20 (A3), Baby16_22 (A4), BabyRay_22 (A3), Backyardigan_22 (A4), Badger_22 (A4), BangNhom_22 (A4), Bartimeaus_22 (A4), Battleship_26 (A15), Beauxregard13_24 (A3), BellusTerra_22 (A4), Bigflo_24 (A3), Blackmoor_22 (A4), BlueBird_23 (A3), Bombshell_22 (A4), Boohoo_25 (A15), BreSam8_24 (A3), Broseidon_22 (A4), Bruiser_22 (A4), BubbleTrouble_22 (A4), Buckaroo_21 (A4), Bugatti_23 (A3), Bumblebee11_22 (A4), Burger_21 (A4), BuzzBuzz_23 (A3), Bxz2_23 (A3), Caelakin_22 (A4), Caitlin_19 (A8), Calvinny_24 (A3), Camperdownii_21 (A4), Cat_20 (A3), Caviar_23 (A3), CentreCat_22 (A4), Cerulean_23 (A4), ChampagnePapi_23 (A4), Chaph_22 (A4), Chupacabra_22 (A10),

Cici_22 (A4), Cindaradix_21 (A4), Citius_22 (A4), Clammy_23 (A3), Clarenza_22 (A4), ClownCar_24 (A3), Cocoaberry_22 (A4), Colbster_24 (A3), Commander_22 (A4), Connomayer_22 (A4), Croquant_25 (A3), Cullens_24 (A3), DaHudson_24 (A3), Daishi_23 (A3), Danforth_18 (A8), Datway_22 (A4), Deano_22 (A4), DekHockey33_25 (A15), Dhanush_22 (A4), Dieselweasel_24 (A3), DirtyDunning_22 (A4), Dixon_19 (A8), DontArgue_21 (A10), Drake94_21 (A10), DropBear_22 (A3), Druantia_22 (A4), DustyMartin_25 (A10), Eagle_21 (A4), Eaglepride_23 (A10), Eapen_22 (A4), Edison31_22 (A10), Elle_23 (A15), EpicPhail_24 (A3), Epsocamisio_25 (A15), Eris_22 (A4), Eros_22 (A4), EtoileNova_23 (A3), Eurydice_22 (A4), Expelliarmus_18 (A8), Farber_24 (A3), Fernando_24 (A3), Florean_22 (A4), Flux_22 (A4), Fred313_22 (A3), Funston_22 (A4), Gadost_22 (A4), Gemma_24 (A3), GingkoMaracino_24 (A3), Giroux_23 (A3), Goose1D_22 (A3), Goose1X_22 (A3), Goose_22 (A10), Grif_24 (A3), Groundhog_18 (A8), Groupthink_25 (A3), Grub_24 (A3), Grum1_24 (A3), GtownJaz_24 (A3), Gwennie_24 (A3), HamSlice_21 (A4), Happiness_22 (A4), HashRod_25 (A3), HaveUMetTed_25 (A3), Heathen_22 (A3), HelDan_22 (A3), Heliosoles_24 (A3), Hercules11_24 (A3), Holli_22 (A4), Hookmount_23 (A3), Houdini22_22 (A4), Huxley_22 (A4), ICleared_22 (A4), Iceman_23 (A4), Idleandcovert_22 (A3), Iracema64_23 (A4), Isca_22 (A3), JF2_22 (A3), JF4_22 (A3), JHC117_24 (A3), JSwag_25 (A15), Jaykayelowell_22 (A4), JenCasNa_24 (A3), JeppNRM_25 (A3), JetBlade_22 (A4), Jobu08_24 (A3), JoongJeon_22 (A4), Junimo_21 (A4), KADY_25 (A3), KFPoly_22 (A4), Kachowdy_22 (A3), Kalb97_25 (A3), Kalnoky_25 (A3), Kampy_22 (A4), Katalie136_22 (A4), KatherineG_25 (A15), KekoraPapaka_21 (A4), Kingmustik0402_22 (A4), KittenMittens_21 (A10), Koan_22 (A4), Koduck_24 (A2), Koreni_21 (A4), Kratark_22 (A4), Kremtemulon_22 (A4), Kristoff_23 (A10), Kyee_22 (A4), L5_23 (A2), LBerry_24 (A3), LHTSCC_23 (A4), Lambert1_23 (A3), LappelDuVide_22 (A4), LarryKay_24 (A3), LastResort_25 (A15), Lemur_22 (A4), LeoAvram_22 (A4), Lilith_24 (A3), LittleB_22 (A4), LittleGuy_22 (A4), LochMonster_22 (A4), LogiBear_25 (A15), Looper_26 (A15), Lorenzo_22 (A4), Louie6_24 (A3), Lowa_24 (A3), LugYA_26 (A3), Lunsford_23 (A4), MA5_22 (A3), MK4_22 (A3), MadMarie_24 (A3), Mainiac_24 (A3), Malinsilva_26 (A3), Manu_25 (A3), MarQuardt_24 (A3), Marchesa_22 (A3), Margo_23 (A3), Marie_24 (A3), Marius_25 (A3), Maverick_22 (A4), Maxo_22 (A4), Mayonnaise_22 (A4), Mazhar510_22 (A4), Medusa_22 (A4), MeeZee_22 (A4), Melvin_22 (A4), Methuselah_23 (A3), Microwolf_24 (A3), Millski_22 (A4), MinecraftSteve_26 (A15), Miramae_22 (A4), Misomonster_26 (A3), MoneyMay_24 (A3), Montavir_23 (A3), Morpher26_22 (A4), Morrow_22 (A4), MuchMore_26 (A3), Mundrea_22 (A4), NearlyHeadless_19 (A8), Nebs_22 (A4), Nebulosus_25 (A15), Nedarya_24 (A15), Noella_23 (A3), Noelle_22 (A4), Norbert_22 (A3), NorthStar_22 (A4), Northrop_22 (A4), NotAPhaseMom_22 (A4), Nyxis_22 (A4), OKCentral2016_22 (A10), OKaNui_23 (A4), Obama12_23 (A4), Ohfah_22 (A4), OlanP_24 (A3), Ollie_24 (A3), Oofda_25 (A15), P28Green_24 (A3), PGHhamlin_26 (A3), Palestino_22 (A4), Panamaxus_22 (A3), Pawn_24 (A3), PeaceMeal1_21 (A10), Peaches_22 (A4), Pembroke_24 (A3), Penny1_24 (A3), Perplexer_22 (A4), PeterPeter_22 (A4), PetiteSangsue_22 (A4), Phacado_22 (A4), Phantastic_22 (A3), Phelipe_22 (A4), Phighter1804_22 (A4), Phillis_19 (A8), PhishRPhriends_23 (A3), Phoebe_24 (A3), Phontbonne_22 (A4), Phoxy_24 (A3), Phranny_25 (A3), Pipcraft_22 (A4), Pistachio_23 (A3), Pocahontas_23 (A3), Polymorphads_22 (A4), Poompha_21 (A10), Popcicle_23 (A3), PotatoSplit_25 (A3), Pumbaa_22 (A4), Puppy_23 (A3), PurpleHaze_24 (A3), QuinnKiro_22 (A3), Ravana_25 (A15), ReMo_25 (A15), Reba_25 (A3), Rebeuca_23 (A10), Relief_22 (A4), Remus_25 (A15), ResDef_23 (A3), RhynO_23 (A10), RockieBear_22 (A4), Rocksand_22 (A4), Rockstar_22 (A3), Roimos_22 (A3), Romney_22 (A4), Roosevelt_22 (A4), Rosa24_21 (A4), Rosalind_25 (A15), Rowdy_25 (A10), Ruin_22 (A4), Rummer_24 (A3), Sabertooth_22

(A4), Sabia_24 (A3), Sabinator_24 (A3), Saintus_19 (A8), SaturnRing_22 (A3), Scamp_22 (A4), Scout_22 (A3), SenorClean_22 (A4), Severus_21 (A10), Shaka_22 (A4), Shapes_25 (A10), ShayRa_26 (A15), SheldonCooper_23 (A4), Shep_22 (A3), Shygu2_22 (A4), Skadoosh_22 (A4), Skipitt_22 (A4), Smeadley_19 (A8), Snickers_24 (A3), SoYo_24 (A3), SoilDragon_24 (A3), Soshari_26 (A3), Soups_25 (A15), Sparxx_22 (A4), Spike509_24 (A3), Spino_22 (A4), Stagni_24 (A3), Stasia_23 (A4), SteMason_22 (A4), StepMih_24 (A3), Stephig9_19 (A8), Stink_23 (A4), Strosahl_25 (A15), Sultana_22 (A4), Switzerland_25 (A15), TNguyen7_22 (A3), Taquarus_22 (A4), Taurus_24 (A3), Texage_22 (A3), Thanksgivukkah_22 (A4), Tiffany_24 (A3), TinaFeyge_22 (A4), TinyPebbles_24 (A3), Tinybot_21 (A4), TiroTheta9_22 (A4), Todacoro_23 (A3), Topanga_22 (A10), Trike_20 (A10), TroyPia_22 (A4), Twister_22 (A10), TygerBlood_22 (A4), Ulysses_21 (A4), Veracruz_22 (A3), Vix_24 (A3), Waits_25 (A15), WalterMcMickey_22 (A10), Wander_22 (A4), Warrior24_25 (A15), Watson_24 (A3), Wilbur_22 (A4), Wile_22 (A4), Wizard007_22 (A4), Wooldri_26 (A3), Xena_22 (A4), YoSam321_22 (A4), Zarafa_22 (A3), Zetzy_23 (A3),

Start 22:
• Found in 579 of 975 (59.4%) of genes in pham
• Manual Annotations of this start: 500 of 910
• Called 92.9% of time when present
• Phage (with cluster) where this start called: 20ES_23 (A2), 40AC_26 (A17), A6_19 (A1), AFIS_21 (A1), AN3_23 (A2), AN9_26 (A2), ANI8_26 (A2), AbbyPaige_25 (A2), Abbyshoes_22 (A1), Abrogate_220 (A1), Acme_23 (A1), Acolyte_23 (A2), Adahisdi_22 (A1), Adzzy_24 (A2), Aeneas_23 (A1), Agaliana_21 (A1), Agape74_25 (A2), Ajay_21 (A1), Aldrich_22 (A1), Aliter_24 (A9), Alma_24 (A9), Alsaber_16 (BD3), Alsfro_25 (A1), Altman_23 (A1), Alvin_22 (A1), Aneem_23 (A11), Anglerfish_22 (A1), AnnaL29_26 (A2), Anselm_23 (A2), Anthony_22 (A20), Applejack_21 (A1), Arcanine_22 (A1), ArcherNM_25 (A2), Arissanae_22 (A9), Arlo_20 (A1), Artemis2UCLA_26 (A6), Ashballer_20 (A1), Atkinbua_22 (A1), Attoomi_12 (singleton), Ayanochan_24 (A9), BABullseye_26 (A6), BK1_19 (A1), BPBiebs31_22 (A1), BabyBack_25 (A2), BabyJohn_21 (A3), Bachome_23 (A11), BaconJack_23 (A1), Bactobuster_24 (A2), Baehexic_24 (A2), Barriga_21 (A1), BarrowTuph_20 (A1), Beatrix_20 (A1), Beemo_24 (A9), BeesKnees_22 (A1), Bellris_22 (A9), BengiVuitton_24 (A2), BennyP_26 (A6), Benvolio_23 (A2), Bethlehem_21 (A1), Bexan_20 (A1), BiancaTri92_25 (A2), Big3_21 (A1), BigMau_23 (A1), BigPaolini_22 (A1), Bigchungi_21 (A1), Bigfoot_20 (A1), BillKnuckles_22 (A1), Bircsak_21 (A1), Blackflame_21 (A1), BlessJoy_26 (A6), Blesser_21 (A1), Blinn1_26 (A6), BluSpix_21 (A1), Blue7_26 (A6), Blue_21 (A1), Bob3_20 (A1), BobSwaget_26 (A2), BogosyJay_24 (A9), Bonamassa_19 (A5), Bones_21 (A1), Bowtie_23 (A11), Bradman_22 (A2), Briton15_23 (A1), Bruns_20 (A1), Bud_23 (A11), Bugsy_25 (A2), Burton_22 (A1), Buttons_22 (A1), Bxb1_19 (A1), C3_21 (A2), CRB1_23 (A2), CactusRose_20 (A1), Candra_26 (A6), Caraxes_22 (A2), Carlyle_23 (A1), CartmannCramer_21 (A1), CatBus_22 (A1), Catalina_24 (A9), Celery_18 (BD3), Celestialunch_22 (A9), Centaur_25 (A2), Chanagan_20 (A1), Changeling_26 (A2), Chargerpower_23 (A22), Charm_23 (A9), Chartreuse_26 (A6), Che12_25 (A2), ChipMunk_25 (A2), Chiqui_21 (A3), ChristmasHams_21 (A1), Ciao_21 (A1), CloudWang3_26 (A6), CogOmlette_21 (A9), Colin_26 (A2), Conan_16 (BD3), ConceptII_22 (A1), Conquerage_24 (A9), Cookiedough_26 (A6), Corvo_21 (A1), Crispicous1_20 (A1), Crucio_23 (A2), Cueylyss_21 (A1), D29_23 (A2), D32_26 (A2), DBQu4n_26 (A2), DD5_22 (A1), DaVinci_26 (A6), Dalmatian_23 (A2), Darrell_25 (A9), DarthPhader_24 (A12), DeerParkTS_24 (A2), Deloris_24 (A2), DelvinSonDorr_25 (A6), Dexers_14 (BD3), Dexes_22 (A1), Dignity_25 (A2), DirtDevil_22 (A1), Doom_22 (A1), Dorothea_26 (A6), DrFeelGood_20 (A1),

Drake55_25 (A2), DreamCatcher_24 (A1), DreamTeam1_23 (A9), Dreamboat_22 (A1), DroogsArmy_23 (A7), DudeLittle_23 (A2), Dulcie_20 (A1), Duplo_26 (A2), Dussy_22 (A1), Dynamix_22 (A1), EZMoney23_27 (A2), EagleEye_25 (A16), Ebony_23 (A11), Echild_23 (A2), EdogawaKiddo_24 (A9), Edtherson_22 (A1), Eidsmoe_24 (A9), ElGato_16 (BD3), Elephantoon_24 (A9), EmyBug_24 (A9), EnzoK_22 (A1), Equemioh13_25 (A2), EricB_26 (A6), Espresso_21 (A1), Et2Brutus_22 (A11), Euphoria_21 (A1), EvilGenius_25 (A2), ExplosioNervosa_24 (A9), Eyeball_21 (A1), Fajezeel_23 (A1), Fameo_23 (A2), Fascinus_20 (A1), FatCactus_21 (A20), Fayely_24 (A9), Fenn_22 (A1), Fibonacci_23 (A11), FiringLine_23 (A2), First_0023 (A2), Flare16_23 (A2), Flaverint_23 (A11), FlyCatcher_26 (A7), ForesterFrank_25 (A2), Forsytheast_20 (A1), Francis47_21 (A1), Froghopper_22 (A1), Fushigi_22 (A1), GMonster_20 (A1), Gachnar_21 (A1), GageAP_23 (A1), Gandalf20_22 (A1), Garak_27 (A6), GaugeLDP_25 (A2), Georgie2_24 (A2), Gilberta_23 (A11), Gladiator_26 (A6), Gompeii16_21 (A1), Graduation_23 (A1), Gratitude_25 (A2), GrecoEtereo_22 (A1), GreedyLawyer_26 (A6), Greg_23 (A1), GroundGoblin_22 (A1), Gruunaga_26 (A6), Gwendoluna_23 (A1), Gyzlar_23 (A1), HINdeR_22 (A7), Hami1_23 (A1), Hammer_26 (A6), HanShotFirst_21 (A1), Hanray_24 (A9), HarryHoudini_25 (A2), HarryOW_22 (A1), Heffalump_25 (A2), Helmet_26 (A6), Herbertwm_20 (A2), Hermia_23 (A1), HermioneGrange_21 (A1), Hexamo_26 (A6), HippoHollow_24 (A2), Holex_24 (A9), Homines_21 (A1), Hoot_26 (A6), Hope4ever_21 (A1), HortumSL17_24 (A9), Hutc2_23 (A11), ILeeKay_23 (A1), Ichabod_22 (A1), IgnatiusPatJac_20 (A1), Imbriano_26 (A6), Indra_26 (A6), Insomnia_23 (A11), Inyanga_20 (A1), Iqorha_20 (A1), Isiphiwo_26 (A6), Iwokeuplikedis_24 (A2), JC27_23 (A1), Jabith_23 (A11), JackSparrow_22 (A1), Jasper_22 (A1), Jeffabunny_26 (A6), Jerm2_22 (A1), Jerm_25 (A2), JewelBug_26 (A6), Jhitchelle_14 (BD3), Jiawan_24 (A9), Jordennis_26 (A6), Jorgensen_21 (A1), Joselito_23 (A11), JoshKayV_25 (A2), Journey13_21 (A2), Jsquared_22 (A2), JuliaChild_23 (A1), KBG_22 (A1), KSSJEB_21 (A1), Kaine_15 (BD3), Kalpine_26 (A2), Kanely_22 (A1), Kazan_26 (A6), Kenmech_24 (A1), Kerberos_26 (A2), Keziacharles14_22 (A9), KikiBouba_23 (A1), Killigrew_19 (A1), Kimba_23 (A11), Kimona_19 (A19), KingCyrus_25 (A2), Kinmap_22 (A21), Kipper29_26 (A6), Klodlith_23 (A9), Koko_26 (A6), Kugel_22 (A1), KyMonks1A_23 (A1), Kykar_19 (A1), LadyBird_23 (A2), Lamina13_21 (A1), Larenn_24 (A2), Leogania_25 (A2), Lesedi_20 (A1), Levia_21 (A1), Leviathan_25 (A2), Licorice_23 (A1), LilBib_22 (A1), LilTurb_25 (A2), Lilbunny_26 (A6), Lilleskat_24 (A9), LionsBait_24 (A2), Lockley_21 (A1), Lokk_26 (A2), LoneWolf_24 (A9), Lopton_22 (A1), Loser_26 (A2), Luchador_24 (A14), Lucivia_23 (A11), Lucyedi_24 (A16), LunarLander_21 (A1), MPlant7149_20 (A1), MaCh_23 (A11), Mabel_23 (A11), Magnar_21 (A1), Magnito_20 (A1), MajorMajor_22 (A2), Makemake_21 (A1), Malec_24 (A2), Maminiaina_24 (A9), Manatee_22 (A1), Marcell_21 (A1), Marchy_20 (A1), Marco3_21 (A1), Marge_22 (A1), Maroc7_20 (A1), Marsha_21 (A1), MaryBeth_21 (A1), McFly_26 (A6), McGuire_22 (A1), McSinger_22 (A1), MegTheThird_22 (A9), MetalQZJ_21 (A1), Michley_21 (A1), MiculUcigas_23 (A2), Miko_26 (A2), MilleFeuille_20 (A1), Minispark_21 (A9), MissWhite_23 (A2), Mkhuseli_22 (A1), Molly_22 (A1), Monet_23 (A1), Moose_20 (A1), MrGordo_21 (A1), Mryolo_20 (A1), Mulciber_23 (A11), Mule_21 (A1), Munch_23 (A11), Museum_23 (A1), Myxus_24 (A9), NEHalo_21 (A1), NaSiaTalie_23 (A2), Naira_22 (A1), Naji_26 (A2), Neeharika16_26 (A6), Nerujay_22 (A1), Newrala_26 (A6), Nhonho_21 (A1), NicoleTera_27 (A2), Niza_23 (A1), Norz_23 (A1), NothingSpecial_25 (A2), Noxious_23 (A1), Odin_22 (A2), Ohno789_21 (A1), Onglai_23 (A9), Oogway_20 (A1), Orange_23 (A11), PP_32 (A7), PSullivan_23 (A1), PacerPaul_21 (A1), PackMan_24 (A9), PainterBoy_24 (A16), Papez_23 (A1), Paphu_20 (A1), Paraselene_20 (A1), Pari_22 (A1), Parliament_20 (A1), PascalRango_20 (A1), PattyP_23 (A1), Pavo_16

(BD3), Payneful_21 (A1), Pelly_22 (A1), Pepe_22 (A1), Perseus_22 (A1), Petersenfast_23 (A11), Peterson_24 (A1), Petp2012_23 (A1), Petruchio_21 (A1), Ph8s_24 (A2), Phaeder_24 (A9), Pharaoh_23 (A12), PherrisBueller_22 (A1), PhineBark_20 (A1), Phlei_18 (A13), Phlippers_20 (A1), Phonnegut_24 (A9), PhrostyMug_21 (A1), PinkPlastic_20 (A1), Pinto_23 (A1), Pioneer_24 (A9), Pippin_23 (A1), Piro94_24 (A2), Pita2_23 (A1), Pmask_26 (A6), Polyphemus_26 (A6), Pomar16_26 (A2), PowerRanger_21 (A1), Power_23 (A2), Priamo_26 (A6), Priya_24 (A9), ProMouse_22 (A1), Provolone_16 (BD3), Prudy_26 (A2), Pukovnik_25 (A2), Puppet_21 (A1), QTRlifeCrisis_21 (A1), Qobbit_24 (A9), QueenB2_23 (A2), QueenBeesly_23 (A2), Quokka_21 (A2), Rachaly_26 (A2), Rahalelujah_22 (A9), Raid_21 (A1), Rajelicia_21 (A1), RedRock_26 (A2), Refuge_26 (A12), Retro23_23 (A2), Rhynn_21 (A1), RidgeCB_21 (A1), Rifter_26 (A6), Ringer_21 (A1), Rohr_22 (A1), Roksolana_26 (A6), Rubeus_22 (A1), Rufus_22 (A1), Ruotula_20 (A1), Rutherferd_23 (A1), RyeScarlet_24 (A9), STLscum_22 (A1), Sachima_24 (A9), Saftant_15 (BD3), Sagefire_22 (A1), Salz_23 (A11), Sandaddy_20 (A1), Sanya_21 (A1), SarFire_21 (A1), Saskia_23 (A11), Scherzo_24 (A9), Scowl_22 (A1), Seabiscuit_23 (A1), Seanderson_22 (A1), SemperFi_25 (A2), Serenity_22 (A2), Sham4_23 (A11), SheaKeira_23 (A9), Sheen_24 (A7), ShortQueendom_21 (A1), Sibs6_23 (A1), SkiPole_23 (A1), Sknot_23 (A2), Slagathor_22 (A1), Smairt_22 (A1), Smeagan_25 (A2), Smeagol_23 (A1), SmellyB_26 (A6), SnapTap_23 (A2), Snape_23 (A11), Snazzy_19 (A1), Solon_21 (A1), Sorpresa_21 (A1), Speedwell_20 (BD3), SpikeBT_23 (A1), Spouty_24 (A9), Squee_22 (A1), StarStuff_26 (A2), Steamy_24 (A12), StewieG_20 (A1), StrongArm_20 (A1), Sudan_15 (BD3), Sumter_20 (A1), Sunhee_22 (A14), Sunshine924_20 (A1), SuperAwesome_26 (A6), SuperCallie99_26 (A6), Superchunk_22 (A2), SweetiePie_23 (A2), SwirlSquare_24 (A2), SwissCheese_21 (A1), Switzer_22 (A1), Swole_23 (A1), Tailonex_19 (singleton), Target_23 (A1), TarsusIV_23 (A2), Tasp14_22 (A1), Temprado_26 (A6), Teodoridan_19 (A1), Terrific_25 (A2), TheloniousMonk_23 (A1), Thor_21 (A1), Timothy_23 (A11), Timshel_23 (A7), TinyTimmy_23 (A11), TipsytheTRex_22 (A2), Toaka_22 (A9), Tomathan_26 (A2), ToneTone_24 (A6), Topgun_21 (A1), Toro_25 (A7), Tote_23 (A1), Traft412_23 (A1), Travvers_26 (A2), Treddle_23 (A1), Tripl3t_22 (A1), Trixie_26 (A2), Trooper_23 (A2), Trouble_21 (A1), Tubs_24 (A9), Tucker_26 (A6), Turbido_25 (A2), Turj99_20 (A1), TwoPeat_22 (A1), U2_21 (A1), Ugenie5_21 (A9), Updawg_25 (A2), VA6_23 (A2), VC3_26 (A2), Vanisoa_22 (A9), Vanseggelen_19 (BD3), Verabelle_16 (BD3), Violet_20 (A1), VohminGhazi_26 (A6), Watermelon_23 (A1), WeiHuaDA_28 (A2), Whabigail7_25 (A2), Wheeler_21 (A1), Whitspit_22 (A1), WideWale_25 (A2), Wiks_26 (A6), Wilkins_21 (A1), Wolpertinger_22 (A11), WorldCup_21 (A9), WunderPhul_26 (A6), XianYue_23 (A2), Yecey3_23 (A9), Yokurt_26 (A6), Yosif_16 (BD3), Zaka_26 (A6), ZamZam_15 (BD3), Zeeculate_20 (A1), Zephyr_21 (A1), Zeuska_22 (A1), Zimmer_25 (A12), Zulu_26 (A6),

Start 25:
• Found in 270 of 975 (27.7%) of genes in pham
• Manual Annotations of this start: 1 of 910
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Nemo27_22 (A4),

Start 27:
• Found in 566 of 975 (58.1%) of genes in pham
• Manual Annotations of this start: 1 of 910
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Cintron_22 (A4),

Summary by clusters:

There are 25 clusters represented in this pham: singleton, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, BD3, CA, A20, A21, A22,

Info for manual annotations of cluster A1:
•Start number 22 was manually annotated 231 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 21 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 22 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 22 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 19 was manually annotated 3 times for cluster A14.
•Start number 22 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 21 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 22 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 2 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 22 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 20 was manually annotated 5 times for cluster A2.
•Start number 21 was manually annotated 2 times for cluster A2.
•Start number 22 was manually annotated 110 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 22 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 22 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 22 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 21 was manually annotated 125 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 21 was manually annotated 142 times for cluster A4.
•Start number 25 was manually annotated 1 time for cluster A4.
•Start number 27 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:
•Start number 2 was manually annotated 39 times for cluster A5.
•Start number 22 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:
•Start number 22 was manually annotated 50 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 22 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 18 was manually annotated 1 time for cluster A8.
•Start number 21 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 22 was manually annotated 46 times for cluster A9.

Info for manual annotations of cluster BD3:
•Start number 22 was manually annotated 13 times for cluster BD3.

Info for manual annotations of cluster CA:
•Start number 2 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: 20ES_23 Start: 15114, Stop: 15710, Start Num: 22
Candidate Starts for 20ES_23:
(Start: 22 @15114 has 500 MA's), (Start: 27 @15138 has 1 MA's), (30, 15159), (49, 15327), (57, 15399), (59, 15420), (64, 15468), (65, 15477), (74, 15513), (77, 15534), (81, 15567),

Gene: 40AC_26 Start: 17135, Stop: 17728, Start Num: 22
Candidate Starts for 40AC_26:
(Start: 22 @17135 has 500 MA's), (Start: 27 @17159 has 1 MA's), (30, 17180), (56, 17414), (64, 17486), (74, 17531), (87, 17639),

Gene: A6_19 Start: 14147, Stop: 14998, Start Num: 22
Candidate Starts for A6_19:
(Start: 22 @14147 has 500 MA's), (30, 14192), (54, 14417), (65, 14504), (68, 14522), (75, 14546), (87, 14651), (104, 14738), (105, 14786),

Gene: ACFishhook_24 Start: 14628, Stop: 15224, Start Num: 21
Candidate Starts for ACFishhook_24:
(Start: 21 @14628 has 322 MA's), (Start: 27 @14652 has 1 MA's), (30, 14673), (32, 14688), (48, 14799), (64, 14976), (75, 15030), (76, 15036), (81, 15081),

Gene: AFIS_21 Start: 14485, Stop: 15336, Start Num: 22
Candidate Starts for AFIS_21:
(Start: 22 @14485 has 500 MA's), (30, 14530), (54, 14755), (65, 14842), (68, 14860), (75, 14884), (87, 14989), (104, 15076), (105, 15124),

Gene: AN3_23 Start: 15104, Stop: 15694, Start Num: 22
Candidate Starts for AN3_23:
(Start: 22 @15104 has 500 MA's), (Start: 27 @15128 has 1 MA's), (30, 15149), (45, 15245), (49, 15317), (57, 15389), (59, 15410), (65, 15467), (72, 15497), (75, 15506), (77, 15524), (81, 15557), (87, 15611), (99, 15671),

Gene: AN9_26 Start: 15076, Stop: 15669, Start Num: 22
Candidate Starts for AN9_26:
(Start: 22 @15076 has 500 MA's), (Start: 27 @15100 has 1 MA's), (30, 15121), (43, 15205), (55, 15349), (64, 15424), (65, 15433), (75, 15472), (77, 15490),

Gene: ANI8_26 Start: 15076, Stop: 15669, Start Num: 22
Candidate Starts for ANI8_26:
(Start: 22 @15076 has 500 MA's), (Start: 27 @15100 has 1 MA's), (30, 15121), (43, 15205), (55, 15349), (64, 15424), (65, 15433), (75, 15472), (77, 15490),

Gene: AbbyPaige_25 Start: 15596, Stop: 16186, Start Num: 22
Candidate Starts for AbbyPaige_25:
(Start: 22 @15596 has 500 MA's), (Start: 27 @15620 has 1 MA's), (30, 15641), (49, 15809), (54, 15872), (57, 15881), (64, 15950), (65, 15959), (72, 15989), (77, 16016), (81, 16049), (87, 16103),

Gene: AbbysRanger_22 Start: 14414, Stop: 15001, Start Num: 21
Candidate Starts for AbbysRanger_22:
(Start: 21 @14414 has 322 MA's), (Start: 25 @14435 has 1 MA's), (Start: 27 @14438 has 1 MA's), (32, 14474), (48, 14591), (77, 14837), (81, 14870), (84, 14900),

Gene: Abbyshoes_22 Start: 14871, Stop: 15722, Start Num: 22
Candidate Starts for Abbyshoes_22:
(Start: 22 @14871 has 500 MA's), (30, 14916), (54, 15141), (65, 15228), (68, 15246), (75, 15270), (87, 15375), (104, 15462), (105, 15510),

Gene: Abdiel_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Abdiel_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Abrogate_220 Start: 15243, Stop: 16094, Start Num: 22
Candidate Starts for Abrogate_220:
(Start: 22 @15243 has 500 MA's), (30, 15288), (54, 15513), (65, 15600), (68, 15618), (75, 15642), (87, 15747), (104, 15834), (105, 15882),

Gene: Achebe_22 Start: 14390, Stop: 14977, Start Num: 21
Candidate Starts for Achebe_22:
(Start: 21 @14390 has 322 MA's), (Start: 25 @14411 has 1 MA's), (Start: 27 @14414 has 1 MA's), (32, 14450), (48, 14567), (63, 14735), (77, 14813), (81, 14846), (84, 14876),

Gene: Acme_23 Start: 14921, Stop: 15769, Start Num: 22
Candidate Starts for Acme_23:

(Start: 22 @14921 has 500 MA's), (30, 14966), (54, 15191), (65, 15278), (68, 15296), (75, 15320), (87, 15425), (102, 15497), (108, 15647), (112, 15752), (113, 15755),

Gene: Acolyte_23 Start: 15244, Stop: 15834, Start Num: 22
Candidate Starts for Acolyte_23:
(Start: 22 @15244 has 500 MA's), (Start: 27 @15268 has 1 MA's), (30, 15289), (56, 15523), (64, 15595), (65, 15604), (75, 15643), (87, 15748), (101, 15817),

Gene: Adahisdi_22 Start: 14803, Stop: 15654, Start Num: 22
Candidate Starts for Adahisdi_22:
(Start: 22 @14803 has 500 MA's), (30, 14848), (54, 15073), (65, 15160), (68, 15178), (75, 15202), (87, 15307), (104, 15394), (105, 15442),

Gene: Adzzy_24 Start: 13833, Stop: 14426, Start Num: 22
Candidate Starts for Adzzy_24:
(Start: 22 @13833 has 500 MA's), (Start: 25 @13854 has 1 MA's), (Start: 27 @13857 has 1 MA's), (30, 13878), (54, 14106), (64, 14184), (65, 14193), (72, 14223), (74, 14229), (77, 14250), (87, 14337),

Gene: Aeneas_23 Start: 14911, Stop: 15762, Start Num: 22
Candidate Starts for Aeneas_23:
(Start: 22 @14911 has 500 MA's), (30, 14956), (54, 15181), (65, 15268), (68, 15286), (75, 15310), (87, 15415), (104, 15502), (105, 15550),

Gene: Agaliana_21 Start: 14863, Stop: 15714, Start Num: 22
Candidate Starts for Agaliana_21:
(Start: 22 @14863 has 500 MA's), (30, 14908), (54, 15133), (65, 15220), (68, 15238), (75, 15262), (87, 15367), (104, 15454), (105, 15502),

Gene: Agape74_25 Start: 15572, Stop: 16162, Start Num: 22
Candidate Starts for Agape74_25:
(3, 15359), (Start: 22 @15572 has 500 MA's), (Start: 27 @15596 has 1 MA's), (30, 15617), (49, 15785), (54, 15848), (57, 15857), (64, 15926), (65, 15935), (72, 15965), (77, 15992), (81, 16025), (87, 16079),

Gene: AgentM_19 Start: 13583, Stop: 14410, Start Num: 2
Candidate Starts for AgentM_19:
(Start: 2 @13583 has 76 MA's), (5, 13712), (Start: 22 @13844 has 500 MA's), (23, 13850), (29, 13883), (34, 13916), (41, 13946), (48, 14006), (56, 14111), (64, 14183), (76, 14240), (91, 14360),

Gene: Aglet_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for Aglet_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: AgronaGT15_24 Start: 14381, Stop: 14977, Start Num: 21
Candidate Starts for AgronaGT15_24:
(Start: 21 @14381 has 322 MA's), (Start: 27 @14405 has 1 MA's), (30, 14426), (32, 14441), (48, 14552), (64, 14729), (76, 14789), (81, 14834),

Gene: Airmid_19 Start: 13347, Stop: 14177, Start Num: 2
Candidate Starts for Airmid_19:
(Start: 2 @13347 has 76 MA's), (5, 13476), (11, 13530), (Start: 22 @13608 has 500 MA's), (23, 13614), (28, 13641), (33, 13674), (34, 13680), (35, 13686), (41, 13713), (48, 13773), (56, 13878), (64, 13950), (65, 13959), (74, 13998), (76, 14007), (91, 14127),

Gene: Ajay_21 Start: 14635, Stop: 15483, Start Num: 22
Candidate Starts for Ajay_21:
(Start: 22 @14635 has 500 MA's), (30, 14680), (54, 14905), (65, 14992), (68, 15010), (75, 15034), (102, 15211), (106, 15328), (108, 15361), (112, 15466), (113, 15469),

Gene: Alatin_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Alatin_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Albee_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Albee_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Alberto7_23 Start: 14690, Stop: 15280, Start Num: 21
Candidate Starts for Alberto7_23:
(Start: 21 @14690 has 322 MA's), (Start: 25 @14711 has 1 MA's), (Start: 27 @14714 has 1 MA's), (48, 14861), (74, 15086), (81, 15140), (84, 15170),

Gene: Aldrich_22 Start: 15412, Stop: 16263, Start Num: 22
Candidate Starts for Aldrich_22:
(Start: 22 @15412 has 500 MA's), (30, 15457), (54, 15682), (65, 15769), (68, 15787), (75, 15811), (87, 15916), (104, 16003), (105, 16051),

Gene: Aliter_24 Start: 15828, Stop: 16424, Start Num: 22
Candidate Starts for Aliter_24:
(Start: 22 @15828 has 500 MA's), (Start: 27 @15852 has 1 MA's), (30, 15873), (65, 16191), (81, 16284), (99, 16398), (101, 16407),

Gene: Alma_24 Start: 15907, Stop: 16503, Start Num: 22
Candidate Starts for Alma_24:
(Start: 22 @15907 has 500 MA's), (Start: 27 @15931 has 1 MA's), (30, 15952), (31, 15958), (65, 16270), (75, 16312), (81, 16363), (94, 16450), (99, 16477), (101, 16486),

Gene: Alpacados_17 Start: 10308, Stop: 11171, Start Num: 2
Candidate Starts for Alpacados_17:
(1, 10245), (Start: 2 @10308 has 76 MA's), (28, 10614), (54, 10866), (56, 10872), (63, 10935), (65, 10953), (74, 10995), (87, 11103),

Gene: Alsaber_16 Start: 10156, Stop: 10719, Start Num: 22
Candidate Starts for Alsaber_16:
(Start: 22 @10156 has 500 MA's), (54, 10390), (76, 10528), (90, 10645),

Gene: Alsfro_25 Start: 15355, Stop: 16206, Start Num: 22
Candidate Starts for Alsfro_25:
(Start: 22 @15355 has 500 MA's), (30, 15400), (54, 15625), (65, 15712), (68, 15730), (75, 15754), (87, 15859), (104, 15946),

Gene: Altman_23 Start: 15400, Stop: 16251, Start Num: 22
Candidate Starts for Altman_23:

(Start: 22 @15400 has 500 MA's), (30, 15445), (54, 15670), (65, 15757), (68, 15775), (75, 15799), (87, 15904), (104, 15991), (105, 16039),

Gene: Alvin_22 Start: 15121, Stop: 15972, Start Num: 22
Candidate Starts for Alvin_22:
(Start: 22 @15121 has 500 MA's), (30, 15166), (54, 15391), (65, 15478), (68, 15496), (75, 15520), (87, 15625), (104, 15712), (105, 15760),

Gene: Anaysia_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for Anaysia_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Aneem_23 Start: 15633, Stop: 16253, Start Num: 22
Candidate Starts for Aneem_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Anglerfish_22 Start: 15783, Stop: 16631, Start Num: 22
Candidate Starts for Anglerfish_22:
(Start: 22 @15783 has 500 MA's), (30, 15828), (54, 16053), (65, 16140), (68, 16158), (75, 16182), (102, 16359), (108, 16509), (112, 16614), (113, 16617),

Gene: AngryOrchard_17 Start: 10291, Stop: 11154, Start Num: 2
Candidate Starts for AngryOrchard_17:
(1, 10228), (Start: 2 @10291 has 76 MA's), (17, 10546), (28, 10597), (54, 10849), (56, 10855), (63, 10918), (65, 10936), (74, 10978), (87, 11086),

Gene: AnnaL29_26 Start: 16955, Stop: 17551, Start Num: 22
Candidate Starts for AnnaL29_26:
(Start: 22 @16955 has 500 MA's), (Start: 27 @16979 has 1 MA's), (30, 17000), (49, 17165), (54, 17228), (64, 17306), (65, 17315), (75, 17354), (77, 17372), (87, 17459),

Gene: Annyong_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Annyong_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: Anon_23 Start: 14538, Stop: 15125, Start Num: 21
Candidate Starts for Anon_23:
(Start: 21 @14538 has 322 MA's), (Start: 25 @14559 has 1 MA's), (Start: 27 @14562 has 1 MA's), (30, 14583), (48, 14712), (56, 14817), (95, 15084),

Gene: Anselm_23 Start: 15205, Stop: 15789, Start Num: 22
Candidate Starts for Anselm_23:
(Start: 22 @15205 has 500 MA's), (Start: 27 @15229 has 1 MA's), (30, 15250), (64, 15559), (65, 15568), (72, 15598), (77, 15625), (81, 15658), (87, 15712),

Gene: Anthony_22 Start: 13235, Stop: 13828, Start Num: 22
Candidate Starts for Anthony_22:
(Start: 22 @13235 has 500 MA's), (Start: 25 @13256 has 1 MA's), (Start: 27 @13259 has 1 MA's), (56, 13514), (64, 13586), (67, 13613), (81, 13688), (87, 13742), (101, 13811), (103, 13817),

Gene: Anubis_26 Start: 14359, Stop: 14955, Start Num: 21
Candidate Starts for Anubis_26:
(Start: 21 @14359 has 322 MA's), (Start: 27 @14383 has 1 MA's), (30, 14404), (32, 14419), (48, 14530), (64, 14707), (76, 14767), (81, 14812),

Gene: AppleCloud_16 Start: 10031, Stop: 10888, Start Num: 2
Candidate Starts for AppleCloud_16:
(1, 9968), (Start: 2 @10031 has 76 MA's), (13, 10253), (28, 10337), (54, 10583), (56, 10589), (63, 10652), (65, 10670), (74, 10712), (87, 10820),

Gene: Applejack_21 Start: 14560, Stop: 15411, Start Num: 22
Candidate Starts for Applejack_21:
(Start: 22 @14560 has 500 MA's), (30, 14605), (54, 14830), (65, 14917), (68, 14935), (75, 14959), (87, 15064), (104, 15151), (105, 15199),

Gene: Aragog_19 Start: 13613, Stop: 14440, Start Num: 2
Candidate Starts for Aragog_19:
(Start: 2 @13613 has 76 MA's), (5, 13742), (Start: 22 @13874 has 500 MA's), (23, 13880), (29, 13913), (34, 13946), (41, 13976), (48, 14036), (56, 14141), (64, 14213), (76, 14270), (91, 14390),

Gene: Arcanine_22 Start: 14802, Stop: 15650, Start Num: 22
Candidate Starts for Arcanine_22:
(Start: 22 @14802 has 500 MA's), (30, 14847), (54, 15072), (65, 15159), (68, 15177), (75, 15201), (102, 15378), (108, 15528), (112, 15633), (113, 15636),

Gene: ArcherNM_25 Start: 16899, Stop: 17492, Start Num: 22
Candidate Starts for ArcherNM_25:
(Start: 22 @16899 has 500 MA's), (Start: 25 @16920 has 1 MA's), (Start: 27 @16923 has 1 MA's), (30, 16944), (54, 17172), (64, 17250), (65, 17259), (72, 17289), (75, 17298), (87, 17403), (101, 17472),

Gene: Archetta_19 Start: 13326, Stop: 14153, Start Num: 2
Candidate Starts for Archetta_19:
(Start: 2 @13326 has 76 MA's), (5, 13455), (Start: 22 @13587 has 500 MA's), (23, 13593), (29, 13626), (34, 13659), (41, 13689), (48, 13749), (56, 13854), (64, 13926), (76, 13983), (91, 14103),

Gene: Arissanae_22 Start: 13995, Stop: 14591, Start Num: 22
Candidate Starts for Arissanae_22:
(Start: 22 @13995 has 500 MA's), (Start: 27 @14019 has 1 MA's), (30, 14040), (31, 14046), (56, 14277), (72, 14391), (74, 14397), (81, 14451), (99, 14565), (101, 14574),

Gene: Arlo_20 Start: 14181, Stop: 15032, Start Num: 22
Candidate Starts for Arlo_20:
(Start: 22 @14181 has 500 MA's), (30, 14226), (54, 14451), (65, 14538), (68, 14556), (75, 14580), (87, 14685), (104, 14772), (105, 14820),

Gene: Artemis2UCLA_26 Start: 15093, Stop: 15695, Start Num: 22
Candidate Starts for Artemis2UCLA_26:
(Start: 22 @15093 has 500 MA's), (Start: 27 @15117 has 1 MA's), (47, 15246), (48, 15270), (65, 15456), (74, 15492), (76, 15501), (77, 15513), (83, 15570),

Gene: Arturo_21 Start: 14499, Stop: 15089, Start Num: 21
Candidate Starts for Arturo_21:

(Start: 21 @14499 has 322 MA's), (Start: 25 @14520 has 1 MA's), (Start: 27 @14523 has 1 MA's), (48, 14670), (74, 14895), (81, 14949), (84, 14979),

Gene: Ashballer_20 Start: 14564, Stop: 15415, Start Num: 22
Candidate Starts for Ashballer_20:
(Start: 22 @14564 has 500 MA's), (30, 14609), (54, 14834), (65, 14921), (68, 14939), (75, 14963), (87, 15068), (104, 15155), (105, 15203),

Gene: Astro_19 Start: 13039, Stop: 13641, Start Num: 21
Candidate Starts for Astro_19:
(Start: 18 @13033 has 1 MA's), (Start: 21 @13039 has 322 MA's), (48, 13213), (49, 13249), (51, 13285), (54, 13315), (65, 13402), (67, 13417), (75, 13444), (81, 13495), (84, 13525),

Gene: Atkinbua_22 Start: 14535, Stop: 15383, Start Num: 22
Candidate Starts for Atkinbua_22:
(Start: 22 @14535 has 500 MA's), (30, 14580), (54, 14805), (65, 14892), (68, 14910), (75, 14934), (102, 15111), (108, 15261),

Gene: Attoomi_12 Start: 7986, Stop: 8552, Start Num: 22
Candidate Starts for Attoomi_12:
(Start: 22 @7986 has 500 MA's), (31, 8037), (54, 8229), (61, 8271), (70, 8346), (82, 8433), (83, 8439), (85, 8457), (96, 8511),

Gene: AugsMagnumOpus_26 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for AugsMagnumOpus_26:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: AvatarAhPeg_23 Start: 14678, Stop: 15265, Start Num: 21
Candidate Starts for AvatarAhPeg_23:
(Start: 21 @14678 has 322 MA's), (Start: 25 @14699 has 1 MA's), (Start: 27 @14702 has 1 MA's), (32, 14738), (48, 14855), (77, 15101), (81, 15134), (84, 15164),

Gene: Avle17_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Avle17_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Ayanochan_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Ayanochan_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: B1_20 Start: 13644, Stop: 14255, Start Num: 21
Candidate Starts for B1_20:
(Start: 21 @13644 has 322 MA's), (Start: 25 @13665 has 1 MA's), (Start: 27 @13668 has 1 MA's), (30, 13689), (32, 13704), (48, 13821), (75, 14049),

Gene: BABullseye_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for BABullseye_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: BK1_19 Start: 14147, Stop: 14998, Start Num: 22
Candidate Starts for BK1_19:
(Start: 22 @14147 has 500 MA's), (30, 14192), (54, 14417), (65, 14504), (68, 14522), (75, 14546), (87, 14651), (104, 14738), (105, 14786),

Gene: BPBiebs31_22 Start: 14827, Stop: 15678, Start Num: 22
Candidate Starts for BPBiebs31_22:
(Start: 22 @14827 has 500 MA's), (30, 14872), (54, 15097), (65, 15184), (68, 15202), (75, 15226), (87, 15331), (104, 15418), (105, 15466),

Gene: Baby16_22 Start: 14397, Stop: 14987, Start Num: 21
Candidate Starts for Baby16_22:
(Start: 21 @14397 has 322 MA's), (Start: 25 @14418 has 1 MA's), (Start: 27 @14421 has 1 MA's), (48, 14568), (74, 14793), (81, 14847), (84, 14877),

Gene: BabyBack_25 Start: 16719, Stop: 17306, Start Num: 22
Candidate Starts for BabyBack_25:
(Start: 22 @16719 has 500 MA's), (Start: 27 @16743 has 1 MA's), (30, 16764), (36, 16806), (64, 17070), (75, 17118), (77, 17136), (87, 17223), (101, 17292),

Gene: BabyJohn_21 Start: 14233, Stop: 14844, Start Num: 22
Candidate Starts for BabyJohn_21:
(Start: 22 @14233 has 500 MA's), (Start: 25 @14254 has 1 MA's), (Start: 27 @14257 has 1 MA's), (30, 14278), (32, 14293), (48, 14410), (75, 14638), (81, 14689),

Gene: BabyRay_22 Start: 14238, Stop: 14825, Start Num: 21
Candidate Starts for BabyRay_22:
(14, 14199), (Start: 21 @14238 has 322 MA's), (Start: 25 @14259 has 1 MA's), (Start: 27 @14262 has 1 MA's), (30, 14283), (32, 14298), (48, 14409), (75, 14637), (81, 14688), (84, 14718), (87, 14742),

Gene: Bachome_23 Start: 15630, Stop: 16244, Start Num: 22
Candidate Starts for Bachome_23:
(Start: 22 @15630 has 500 MA's), (23, 15636), (30, 15675), (39, 15735), (49, 15843), (54, 15906), (56, 15912), (64, 15984), (81, 16083),

Gene: Backyardigan_22 Start: 14402, Stop: 14989, Start Num: 21
Candidate Starts for Backyardigan_22:
(Start: 21 @14402 has 322 MA's), (Start: 25 @14423 has 1 MA's), (Start: 27 @14426 has 1 MA's), (32, 14462), (48, 14579), (63, 14747), (77, 14825), (81, 14858), (84, 14888),

Gene: BaconJack_23 Start: 14902, Stop: 15753, Start Num: 22
Candidate Starts for BaconJack_23:
(Start: 22 @14902 has 500 MA's), (30, 14947), (54, 15172), (65, 15259), (68, 15277), (75, 15301), (87, 15406), (104, 15493), (108, 15628),

Gene: Bactobuster_24 Start: 16847, Stop: 17437, Start Num: 22
Candidate Starts for Bactobuster_24:
(Start: 22 @16847 has 500 MA's), (Start: 27 @16871 has 1 MA's), (30, 16892), (54, 17120), (56, 17126), (65, 17207), (75, 17246), (87, 17351), (99, 17411),

Gene: Badger_22 Start: 14391, Stop: 14978, Start Num: 21
Candidate Starts for Badger_22:

(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (32, 14451), (48, 14568), (63, 14736), (77, 14814), (81, 14847), (84, 14877),

Gene: Baehexic_24 Start: 15611, Stop: 16201, Start Num: 22
Candidate Starts for Baehexic_24:
(Start: 22 @15611 has 500 MA's), (Start: 27 @15635 has 1 MA's), (30, 15656), (54, 15887), (64, 15965), (65, 15974), (77, 16031), (87, 16118), (99, 16178),

Gene: BangNhom_22 Start: 14700, Stop: 15290, Start Num: 21
Candidate Starts for BangNhom_22:
(Start: 21 @14700 has 322 MA's), (Start: 25 @14721 has 1 MA's), (Start: 27 @14724 has 1 MA's), (48, 14871), (74, 15096), (81, 15150), (84, 15180),

Gene: Barriga_21 Start: 14430, Stop: 15278, Start Num: 22
Candidate Starts for Barriga_21:
(Start: 22 @14430 has 500 MA's), (30, 14475), (54, 14700), (65, 14787), (68, 14805), (75, 14829), (87, 14934), (102, 15006), (108, 15156), (112, 15261), (113, 15264),

Gene: BarrowTuph_20 Start: 14475, Stop: 15323, Start Num: 22
Candidate Starts for BarrowTuph_20:
(Start: 22 @14475 has 500 MA's), (30, 14520), (54, 14745), (65, 14832), (68, 14850), (75, 14874), (87, 14979), (102, 15051), (108, 15201), (112, 15306), (113, 15309),

Gene: Bartimeaus_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Bartimeaus_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Battleship_26 Start: 14347, Stop: 14949, Start Num: 21
Candidate Starts for Battleship_26:
(Start: 21 @14347 has 322 MA's), (Start: 25 @14368 has 1 MA's), (28, 14383), (30, 14392), (48, 14521), (49, 14557),

Gene: Beatrix_20 Start: 15279, Stop: 16130, Start Num: 22
Candidate Starts for Beatrix_20:
(Start: 22 @15279 has 500 MA's), (30, 15324), (54, 15549), (65, 15636), (68, 15654), (75, 15678), (87, 15783), (104, 15870), (105, 15918),

Gene: Beauxregard13_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for Beauxregard13_24:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Beemo_24 Start: 15934, Stop: 16530, Start Num: 22
Candidate Starts for Beemo_24:
(Start: 22 @15934 has 500 MA's), (Start: 27 @15958 has 1 MA's), (30, 15979), (36, 16021), (65, 16297), (75, 16339), (81, 16390), (99, 16504), (101, 16513),

Gene: BeesKnees_22 Start: 14620, Stop: 15468, Start Num: 22
Candidate Starts for BeesKnees_22:
(Start: 22 @14620 has 500 MA's), (30, 14665), (54, 14890), (65, 14977), (68, 14995), (75, 15019), (102, 15196), (108, 15346), (112, 15451), (113, 15454),

Gene: Belenaria_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Belenaria_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Bellris_22 Start: 13967, Stop: 14563, Start Num: 22
Candidate Starts for Bellris_22:
(Start: 22 @13967 has 500 MA's), (Start: 27 @13991 has 1 MA's), (30, 14012), (31, 14018), (72, 14363), (75, 14372), (76, 14378), (81, 14423), (99, 14537), (101, 14546),

Gene: BellusTerra_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for BellusTerra_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Benedict_19 Start: 13350, Stop: 14180, Start Num: 2
Candidate Starts for Benedict_19:
(Start: 2 @13350 has 76 MA's), (5, 13479), (11, 13533), (Start: 22 @13611 has 500 MA's), (23, 13617), (28, 13644), (33, 13677), (34, 13683), (35, 13689), (41, 13716), (48, 13776), (56, 13881), (64, 13953), (65, 13962), (74, 14001), (76, 14010), (91, 14130),

Gene: BengiVuitton_24 Start: 15520, Stop: 16110, Start Num: 22
Candidate Starts for BengiVuitton_24:
(Start: 22 @15520 has 500 MA's), (Start: 27 @15544 has 1 MA's), (30, 15565), (64, 15871), (65, 15880), (72, 15910), (77, 15937), (81, 15970), (87, 16024),

Gene: BennyP_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for BennyP_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: Benvolio_23 Start: 15194, Stop: 15787, Start Num: 22
Candidate Starts for Benvolio_23:
(Start: 22 @15194 has 500 MA's), (Start: 27 @15218 has 1 MA's), (30, 15239), (49, 15407), (54, 15470), (57, 15479), (65, 15557), (72, 15587), (77, 15614), (81, 15647),

Gene: Bethlehem_21 Start: 15857, Stop: 16705, Start Num: 22
Candidate Starts for Bethlehem_21:
(Start: 22 @15857 has 500 MA's), (30, 15902), (54, 16127), (65, 16214), (68, 16232), (75, 16256), (87, 16361), (102, 16433), (108, 16583), (112, 16688), (113, 16691),

Gene: Bexan_20 Start: 15565, Stop: 16416, Start Num: 22
Candidate Starts for Bexan_20:
(Start: 22 @15565 has 500 MA's), (30, 15610), (54, 15835), (65, 15922), (68, 15940), (75, 15964), (87, 16069), (104, 16156), (105, 16204),

Gene: BiancaTri92_25 Start: 16885, Stop: 17475, Start Num: 22
Candidate Starts for BiancaTri92_25:
(Start: 22 @16885 has 500 MA's), (Start: 27 @16909 has 1 MA's), (30, 16930), (49, 17095), (54, 17158), (57, 17167), (65, 17245), (75, 17284), (77, 17302), (81, 17335), (87, 17389), (99, 17449), (101, 17458),

Gene: Big3_21 Start: 15211, Stop: 16059, Start Num: 22

Candidate Starts for Big3_21:
(Start: 22 @15211 has 500 MA's), (30, 15256), (54, 15481), (65, 15568), (68, 15586), (75, 15610), (106, 15904), (108, 15937),

Gene: BigMau_23 Start: 14788, Stop: 15639, Start Num: 22
Candidate Starts for BigMau_23:
(Start: 22 @14788 has 500 MA's), (30, 14833), (54, 15058), (65, 15145), (68, 15163), (75, 15187), (87, 15292), (104, 15379), (105, 15427),

Gene: BigPaolini_22 Start: 15214, Stop: 16065, Start Num: 22
Candidate Starts for BigPaolini_22:
(Start: 22 @15214 has 500 MA's), (30, 15259), (54, 15484), (65, 15571), (68, 15589), (75, 15613), (87, 15718), (104, 15805), (105, 15853),

Gene: Bigchungi_21 Start: 14588, Stop: 15439, Start Num: 22
Candidate Starts for Bigchungi_21:
(Start: 22 @14588 has 500 MA's), (30, 14633), (54, 14858), (65, 14945), (68, 14963), (75, 14987), (87, 15092), (104, 15179), (105, 15227),

Gene: Bigflo_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Bigflo_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Bigfoot_20 Start: 14316, Stop: 15167, Start Num: 22
Candidate Starts for Bigfoot_20:
(Start: 22 @14316 has 500 MA's), (30, 14361), (54, 14586), (65, 14673), (68, 14691), (72, 14706), (75, 14715), (87, 14820), (104, 14907),

Gene: BillKnuckles_22 Start: 15280, Stop: 16131, Start Num: 22
Candidate Starts for BillKnuckles_22:
(Start: 22 @15280 has 500 MA's), (30, 15325), (54, 15550), (65, 15637), (68, 15655), (75, 15679), (87, 15784), (104, 15871), (105, 15919),

Gene: Bircsak_21 Start: 15074, Stop: 15925, Start Num: 22
Candidate Starts for Bircsak_21:
(Start: 22 @15074 has 500 MA's), (30, 15119), (54, 15344), (65, 15431), (68, 15449), (75, 15473), (87, 15578), (104, 15665), (105, 15713),

Gene: Blackflame_21 Start: 14597, Stop: 15448, Start Num: 22
Candidate Starts for Blackflame_21:
(Start: 22 @14597 has 500 MA's), (30, 14642), (54, 14867), (65, 14954), (68, 14972), (75, 14996), (87, 15101), (104, 15188), (105, 15236),

Gene: Blackmoor_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Blackmoor_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: BlessJoy_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for BlessJoy_26:
(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: Blesser_21 Start: 14886, Stop: 15734, Start Num: 22
Candidate Starts for Blesser_21:
(Start: 22 @14886 has 500 MA's), (30, 14931), (54, 15156), (65, 15243), (68, 15261), (75, 15285), (87, 15390), (102, 15462), (108, 15612), (112, 15717), (113, 15720),

Gene: Blinn1_26 Start: 15249, Stop: 15851, Start Num: 22
Candidate Starts for Blinn1_26:
(Start: 22 @15249 has 500 MA's), (Start: 27 @15273 has 1 MA's), (48, 15426), (65, 15612), (74, 15648), (76, 15657), (77, 15669), (83, 15726),

Gene: BluSpix_21 Start: 14576, Stop: 15427, Start Num: 22
Candidate Starts for BluSpix_21:
(Start: 22 @14576 has 500 MA's), (30, 14621), (54, 14846), (65, 14933), (68, 14951), (75, 14975), (87, 15080), (104, 15167), (105, 15215),

Gene: Blue_21 Start: 14679, Stop: 15530, Start Num: 22
Candidate Starts for Blue_21:
(Start: 22 @14679 has 500 MA's), (30, 14724), (54, 14949), (65, 15036), (68, 15054), (75, 15078), (87, 15183), (104, 15270), (105, 15318),

Gene: Blue7_26 Start: 15183, Stop: 15785, Start Num: 22
Candidate Starts for Blue7_26:
(Start: 22 @15183 has 500 MA's), (Start: 27 @15207 has 1 MA's), (47, 15336), (48, 15360), (65, 15546), (74, 15582), (76, 15591), (77, 15603), (83, 15660),

Gene: BlueBird_23 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for BlueBird_23:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: Bluefalcon_18 Start: 13583, Stop: 14410, Start Num: 2
Candidate Starts for Bluefalcon_18:
(Start: 2 @13583 has 76 MA's), (5, 13712), (Start: 22 @13844 has 500 MA's), (23, 13850), (29, 13883), (34, 13916), (41, 13946), (48, 14006), (56, 14111), (64, 14183), (76, 14240), (91, 14360),

Gene: Bob3_20 Start: 14128, Stop: 14979, Start Num: 22
Candidate Starts for Bob3_20:
(Start: 22 @14128 has 500 MA's), (30, 14173), (54, 14398), (65, 14485), (68, 14503), (75, 14527), (87, 14632), (104, 14719), (105, 14767),

Gene: BobSwaget_26 Start: 16738, Stop: 17319, Start Num: 22
Candidate Starts for BobSwaget_26:
(Start: 22 @16738 has 500 MA's), (Start: 27 @16762 has 1 MA's), (30, 16783), (36, 16825), (54, 17011), (64, 17089), (65, 17098), (75, 17137), (87, 17242), (99, 17302),

Gene: BobbyDazzler_18 Start: 10417, Stop: 11280, Start Num: 2
Candidate Starts for BobbyDazzler_18:
(1, 10354), (Start: 2 @10417 has 76 MA's), (28, 10723), (54, 10975), (56, 10981), (63, 11044), (65, 11062), (74, 11104), (87, 11212),

Gene: BogosyJay_24 Start: 15651, Stop: 16247, Start Num: 22

Candidate Starts for BogosyJay_24:
(Start: 22 @15651 has 500 MA's), (Start: 27 @15675 has 1 MA's), (65, 16014), (75, 16056), (76, 16062), (81, 16107),

Gene: Bombshell_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Bombshell_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Bonamassa_19 Start: 13769, Stop: 14335, Start Num: 22
Candidate Starts for Bonamassa_19:
(Start: 2 @13508 has 76 MA's), (5, 13637), (Start: 22 @13769 has 500 MA's), (23, 13775), (29, 13808), (34, 13841), (41, 13871), (48, 13931), (56, 14036), (64, 14108), (76, 14165), (91, 14285),

Gene: Bonanza_18 Start: 10346, Stop: 11209, Start Num: 2
Candidate Starts for Bonanza_18:
(1, 10283), (Start: 2 @10346 has 76 MA's), (28, 10652), (54, 10904), (56, 10910), (63, 10973), (65, 10991), (74, 11033), (87, 11141),

Gene: Bones_21 Start: 14317, Stop: 15168, Start Num: 22
Candidate Starts for Bones_21:
(Start: 22 @14317 has 500 MA's), (30, 14362), (54, 14587), (65, 14674), (68, 14692), (75, 14716), (87, 14821), (104, 14908), (105, 14956),

Gene: Boohoo_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for Boohoo_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Bowtie_23 Start: 15633, Stop: 16253, Start Num: 22
Candidate Starts for Bowtie_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Bradman_22 Start: 14011, Stop: 14601, Start Num: 22
Candidate Starts for Bradman_22:
(Start: 22 @14011 has 500 MA's), (Start: 27 @14035 has 1 MA's), (30, 14056), (36, 14098), (54, 14284), (64, 14362), (65, 14371), (72, 14401), (75, 14410), (77, 14428),

Gene: Bradshaw_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Bradshaw_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: BreSam8_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for BreSam8_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Briton15_23 Start: 14877, Stop: 15725, Start Num: 22
Candidate Starts for Briton15_23:
(Start: 22 @14877 has 500 MA's), (30, 14922), (54, 15147), (65, 15234), (68, 15252), (75, 15276), (87, 15381), (102, 15453), (106, 15570), (108, 15603), (112, 15708), (113, 15711),

Gene: Broseidon_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Broseidon_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Bruiser_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Bruiser_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Bruns_20 Start: 14500, Stop: 15351, Start Num: 22
Candidate Starts for Bruns_20:
(Start: 22 @14500 has 500 MA's), (30, 14545), (54, 14770), (65, 14857), (68, 14875), (75, 14899), (87, 15004), (104, 15091), (105, 15139),

Gene: Bryce_18 Start: 10346, Stop: 11209, Start Num: 2
Candidate Starts for Bryce_18:
(1, 10283), (Start: 2 @10346 has 76 MA's), (28, 10652), (54, 10904), (56, 10910), (63, 10973), (65, 10991), (74, 11033), (87, 11141),

Gene: BubbleTrouble_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for BubbleTrouble_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Buckaroo_21 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for Buckaroo_21:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: Bud_23 Start: 15639, Stop: 16259, Start Num: 22
Candidate Starts for Bud_23:
(Start: 22 @15639 has 500 MA's), (23, 15645), (30, 15684), (39, 15744), (49, 15852), (54, 15915), (56, 15921), (64, 15993), (81, 16092),

Gene: Bugatti_23 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for Bugatti_23:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: Bugsy_25 Start: 15595, Stop: 16185, Start Num: 22
Candidate Starts for Bugsy_25:
(Start: 22 @15595 has 500 MA's), (Start: 27 @15619 has 1 MA's), (30, 15640), (49, 15808), (54, 15871), (57, 15880), (64, 15949), (65, 15958), (72, 15988), (77, 16015), (81, 16048), (87, 16102),

Gene: Bumblebee11_22 Start: 14396, Stop: 14983, Start Num: 21
Candidate Starts for Bumblebee11_22:
(Start: 21 @14396 has 322 MA's), (Start: 25 @14417 has 1 MA's), (Start: 27 @14420 has 1 MA's), (32, 14456), (48, 14573), (74, 14798), (77, 14819), (81, 14852), (84, 14882),

Gene: Burger_21 Start: 14388, Stop: 14978, Start Num: 21

Candidate Starts for Burger_21:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Burton_22 Start: 14698, Stop: 15549, Start Num: 22
Candidate Starts for Burton_22:
(Start: 22 @14698 has 500 MA's), (30, 14743), (54, 14968), (65, 15055), (68, 15073), (75, 15097), (87, 15202), (104, 15289), (105, 15337),

Gene: Buttons_22 Start: 15062, Stop: 15913, Start Num: 22
Candidate Starts for Buttons_22:
(Start: 22 @15062 has 500 MA's), (30, 15107), (54, 15332), (65, 15419), (68, 15437), (73, 15455), (75, 15461), (87, 15566), (104, 15653), (105, 15701),

Gene: BuzzBuzz_23 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for BuzzBuzz_23:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: Bxb1_19 Start: 14649, Stop: 15500, Start Num: 22
Candidate Starts for Bxb1_19:
(Start: 22 @14649 has 500 MA's), (30, 14694), (54, 14919), (65, 15006), (68, 15024), (75, 15048), (87, 15153), (104, 15240),

Gene: Bxz2_23 Start: 14567, Stop: 15163, Start Num: 21
Candidate Starts for Bxz2_23:
(Start: 21 @14567 has 322 MA's), (Start: 27 @14591 has 1 MA's), (30, 14612), (32, 14627), (48, 14738), (64, 14915), (76, 14975), (81, 15020),

Gene: C3_21 Start: 15076, Stop: 15669, Start Num: 22
Candidate Starts for C3_21:
(Start: 22 @15076 has 500 MA's), (Start: 27 @15100 has 1 MA's), (30, 15121), (43, 15205), (55, 15349), (64, 15424), (65, 15433), (75, 15472), (77, 15490),

Gene: CRB1_23 Start: 15086, Stop: 15673, Start Num: 22
Candidate Starts for CRB1_23:
(Start: 22 @15086 has 500 MA's), (Start: 27 @15110 has 1 MA's), (30, 15131), (49, 15296), (57, 15368), (59, 15389), (64, 15437), (65, 15446), (72, 15476), (77, 15503), (81, 15536), (87, 15590), (99, 15650),

Gene: CactusRose_20 Start: 14315, Stop: 15166, Start Num: 22
Candidate Starts for CactusRose_20:
(Start: 22 @14315 has 500 MA's), (30, 14360), (54, 14585), (65, 14672), (68, 14690), (75, 14714), (87, 14819), (104, 14906), (105, 14954),

Gene: Caelakin_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Caelakin_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Caitlin_19 Start: 13036, Stop: 13638, Start Num: 21
Candidate Starts for Caitlin_19:

(Start: 18 @13030 has 1 MA's), (Start: 21 @13036 has 322 MA's), (48, 13210), (49, 13246), (51, 13282), (54, 13312), (65, 13399), (67, 13414), (75, 13441), (81, 13492), (84, 13522),

Gene: Calvinny_24 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Calvinny_24:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Camperdownii_21 Start: 14007, Stop: 14597, Start Num: 21
Candidate Starts for Camperdownii_21:
(Start: 21 @14007 has 322 MA's), (Start: 25 @14028 has 1 MA's), (Start: 27 @14031 has 1 MA's), (48, 14178), (74, 14403), (81, 14457), (84, 14487),

Gene: Candra_26 Start: 15243, Stop: 15845, Start Num: 22
Candidate Starts for Candra_26:
(Start: 22 @15243 has 500 MA's), (Start: 27 @15267 has 1 MA's), (47, 15396), (48, 15420), (65, 15606), (74, 15642), (76, 15651), (77, 15663), (83, 15720),

Gene: Caraxes_22 Start: 13739, Stop: 14335, Start Num: 22
Candidate Starts for Caraxes_22:
(Start: 22 @13739 has 500 MA's), (Start: 25 @13760 has 1 MA's), (Start: 27 @13763 has 1 MA's), (30, 13784), (54, 14012), (64, 14090), (65, 14099), (72, 14129), (74, 14135), (77, 14156), (87, 14243),

Gene: Carlyle_23 Start: 15444, Stop: 16295, Start Num: 22
Candidate Starts for Carlyle_23:
(Start: 22 @15444 has 500 MA's), (30, 15489), (54, 15714), (65, 15801), (68, 15819), (75, 15843), (87, 15948), (104, 16035), (105, 16083),

Gene: CartmannCramer_21 Start: 16412, Stop: 17263, Start Num: 22
Candidate Starts for CartmannCramer_21:
(Start: 22 @16412 has 500 MA's), (30, 16457), (54, 16682), (65, 16769), (68, 16787), (75, 16811), (87, 16916), (104, 17003), (105, 17051),

Gene: CatBus_22 Start: 15604, Stop: 16455, Start Num: 22
Candidate Starts for CatBus_22:
(Start: 22 @15604 has 500 MA's), (30, 15649), (54, 15874), (65, 15961), (68, 15979), (75, 16003), (87, 16108), (104, 16195), (105, 16243),

Gene: Cat_20 Start: 13857, Stop: 14444, Start Num: 21
Candidate Starts for Cat_20:
(14, 13818), (Start: 21 @13857 has 322 MA's), (Start: 25 @13878 has 1 MA's), (Start: 27 @13881 has 1 MA's), (30, 13902), (32, 13917), (48, 14028), (75, 14256), (81, 14307), (84, 14337), (87, 14361),

Gene: Catalina_24 Start: 15901, Stop: 16497, Start Num: 22
Candidate Starts for Catalina_24:
(Start: 22 @15901 has 500 MA's), (Start: 27 @15925 has 1 MA's), (30, 15946), (65, 16264), (81, 16357), (99, 16471), (101, 16480),

Gene: Caviar_23 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Caviar_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Celery_18 Start: 10111, Stop: 10668, Start Num: 22
Candidate Starts for Celery_18:
(Start: 22 @10111 has 500 MA's), (54, 10345), (76, 10483), (90, 10600),

Gene: Celestialunch_22 Start: 14023, Stop: 14619, Start Num: 22
Candidate Starts for Celestialunch_22:
(Start: 22 @14023 has 500 MA's), (Start: 27 @14047 has 1 MA's), (64, 14377), (72, 14419), (75, 14428), (81, 14479),

Gene: Centaur_25 Start: 15589, Stop: 16179, Start Num: 22
Candidate Starts for Centaur_25:
(Start: 22 @15589 has 500 MA's), (Start: 27 @15613 has 1 MA's), (30, 15634), (32, 15649), (54, 15865), (57, 15874), (64, 15943), (65, 15952), (77, 16009), (87, 16096), (99, 16156),

Gene: CentreCat_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for CentreCat_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: Cerulean_23 Start: 14701, Stop: 15291, Start Num: 21
Candidate Starts for Cerulean_23:
(Start: 21 @14701 has 322 MA's), (Start: 25 @14722 has 1 MA's), (Start: 27 @14725 has 1 MA's), (48, 14872), (74, 15097), (81, 15151), (84, 15181),

Gene: Chadwick_20 Start: 13318, Stop: 14148, Start Num: 2
Candidate Starts for Chadwick_20:
(Start: 2 @13318 has 76 MA's), (5, 13447), (11, 13501), (Start: 22 @13579 has 500 MA's), (23, 13585), (33, 13645), (35, 13657), (41, 13684), (48, 13744), (56, 13849), (64, 13921), (65, 13930), (74, 13969), (76, 13978), (91, 14098),

Gene: ChampagnePapi_23 Start: 14700, Stop: 15290, Start Num: 21
Candidate Starts for ChampagnePapi_23:
(Start: 21 @14700 has 322 MA's), (Start: 25 @14721 has 1 MA's), (Start: 27 @14724 has 1 MA's), (48, 14871), (74, 15096), (81, 15150), (84, 15180),

Gene: Chanagan_20 Start: 14154, Stop: 15005, Start Num: 22
Candidate Starts for Chanagan_20:
(Start: 22 @14154 has 500 MA's), (30, 14199), (54, 14424), (65, 14511), (68, 14529), (75, 14553), (87, 14658), (104, 14745), (105, 14793),

Gene: Changeling_26 Start: 16952, Stop: 17545, Start Num: 22
Candidate Starts for Changeling_26:
(Start: 22 @16952 has 500 MA's), (Start: 25 @16973 has 1 MA's), (Start: 27 @16976 has 1 MA's), (30, 16997), (54, 17225), (64, 17303), (65, 17312), (72, 17342), (75, 17351), (87, 17456), (101, 17525),

Gene: Chaph_22 Start: 14397, Stop: 14987, Start Num: 21
Candidate Starts for Chaph_22:
(Start: 21 @14397 has 322 MA's), (Start: 25 @14418 has 1 MA's), (Start: 27 @14421 has 1 MA's), (48, 14568), (74, 14793), (81, 14847), (84, 14877),

Gene: Chargerpower_23 Start: 14332, Stop: 14916, Start Num: 22
Candidate Starts for Chargerpower_23:

(Start: 22 @14332 has 500 MA's), (Start: 27 @14356 has 1 MA's), (30, 14377), (54, 14608), (64, 14686), (67, 14710),

Gene: Charm_23 Start: 14035, Stop: 14631, Start Num: 22
Candidate Starts for Charm_23:
(Start: 22 @14035 has 500 MA's), (Start: 27 @14059 has 1 MA's), (30, 14080), (75, 14440), (76, 14446),

Gene: Chartreuse_26 Start: 15156, Stop: 15758, Start Num: 22
Candidate Starts for Chartreuse_26:
(Start: 22 @15156 has 500 MA's), (Start: 27 @15180 has 1 MA's), (48, 15333), (65, 15519), (74, 15555), (76, 15564), (77, 15576), (83, 15633),

Gene: Che12_25 Start: 13999, Stop: 14595, Start Num: 22
Candidate Starts for Che12_25:
(Start: 22 @13999 has 500 MA's), (Start: 25 @14020 has 1 MA's), (Start: 27 @14023 has 1 MA's), (30, 14044), (54, 14272), (64, 14350), (65, 14359), (72, 14389), (74, 14395), (77, 14416), (87, 14503),

Gene: ChipMunk_25 Start: 15499, Stop: 16089, Start Num: 22
Candidate Starts for ChipMunk_25:
(Start: 22 @15499 has 500 MA's), (Start: 27 @15523 has 1 MA's), (30, 15544), (49, 15712), (54, 15775), (57, 15784), (64, 15853), (65, 15862), (72, 15892), (75, 15901), (77, 15919),

Gene: Chiqui_21 Start: 14233, Stop: 14844, Start Num: 22
Candidate Starts for Chiqui_21:
(Start: 22 @14233 has 500 MA's), (Start: 25 @14254 has 1 MA's), (Start: 27 @14257 has 1 MA's), (30, 14278), (32, 14293), (48, 14410), (75, 14638), (81, 14689),

Gene: ChristmasHams_21 Start: 14622, Stop: 15473, Start Num: 22
Candidate Starts for ChristmasHams_21:
(Start: 22 @14622 has 500 MA's), (30, 14667), (54, 14892), (65, 14979), (68, 14997), (75, 15021), (87, 15126), (104, 15213), (105, 15261),

Gene: Chupacabra_22 Start: 14194, Stop: 14790, Start Num: 21
Candidate Starts for Chupacabra_22:
(14, 14155), (Start: 21 @14194 has 322 MA's), (Start: 25 @14215 has 1 MA's), (Start: 27 @14218 has 1 MA's), (32, 14254), (48, 14371), (75, 14599), (76, 14605), (81, 14650), (84, 14680),

Gene: Ciao_21 Start: 14541, Stop: 15389, Start Num: 22
Candidate Starts for Ciao_21:
(Start: 22 @14541 has 500 MA's), (30, 14586), (54, 14811), (65, 14898), (68, 14916), (75, 14940), (87, 15045), (102, 15117), (108, 15267), (112, 15372), (113, 15375),

Gene: Cici_22 Start: 14387, Stop: 14974, Start Num: 21
Candidate Starts for Cici_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (32, 14447), (48, 14564), (74, 14789), (77, 14810), (81, 14843), (84, 14873),

Gene: Cindaradix_21 Start: 14121, Stop: 14708, Start Num: 21
Candidate Starts for Cindaradix_21:
(Start: 21 @14121 has 322 MA's), (Start: 25 @14142 has 1 MA's), (Start: 27 @14145 has 1 MA's), (32, 14181), (48, 14298), (77, 14544), (81, 14577), (84, 14607),

Gene: Cintron_22 Start: 14460, Stop: 15026, Start Num: 27
Candidate Starts for Cintron_22:
(Start: 21 @14436 has 322 MA's), (Start: 25 @14457 has 1 MA's), (Start: 27 @14460 has 1 MA's), (48, 14607), (74, 14832), (81, 14886), (84, 14916),

Gene: Citius_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Citius_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Clammy_23 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for Clammy_23:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: Clarenza_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Clarenza_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: CloudWang3_26 Start: 15193, Stop: 15795, Start Num: 22
Candidate Starts for CloudWang3_26:
(Start: 22 @15193 has 500 MA's), (Start: 27 @15217 has 1 MA's), (47, 15346), (48, 15370), (65, 15556), (74, 15592), (76, 15601), (77, 15613), (83, 15670),

Gene: ClownCar_24 Start: 14539, Stop: 15135, Start Num: 21
Candidate Starts for ClownCar_24:
(Start: 21 @14539 has 322 MA's), (Start: 27 @14563 has 1 MA's), (30, 14584), (32, 14599), (48, 14710), (64, 14887), (75, 14941), (76, 14947), (81, 14992),

Gene: Cocoaberry_22 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for Cocoaberry_22:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: CogOmlette_21 Start: 13967, Stop: 14563, Start Num: 22
Candidate Starts for CogOmlette_21:
(Start: 22 @13967 has 500 MA's), (Start: 27 @13991 has 1 MA's), (30, 14012), (31, 14018), (72, 14363), (75, 14372), (76, 14378), (81, 14423), (99, 14537), (101, 14546),

Gene: Colbster_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for Colbster_24:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Colin_26 Start: 16788, Stop: 17378, Start Num: 22
Candidate Starts for Colin_26:
(Start: 22 @16788 has 500 MA's), (Start: 27 @16812 has 1 MA's), (30, 16833), (54, 17061), (64, 17139), (72, 17178), (75, 17187), (77, 17205), (87, 17292), (94, 17325),

Gene: Commander_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Commander_22:

(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Conan_16 Start: 9863, Stop: 10438, Start Num: 22
Candidate Starts for Conan_16:
(Start: 22 @9863 has 500 MA's), (54, 10097), (76, 10235), (90, 10352),

Gene: ConceptII_22 Start: 15036, Stop: 15887, Start Num: 22
Candidate Starts for ConceptII_22:
(Start: 22 @15036 has 500 MA's), (30, 15081), (54, 15306), (65, 15393), (68, 15411), (75, 15435), (87, 15540), (104, 15627), (105, 15675),

Gene: Connomayer_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Connomayer_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Conquerage_24 Start: 15930, Stop: 16526, Start Num: 22
Candidate Starts for Conquerage_24:
(Start: 22 @15930 has 500 MA's), (Start: 27 @15954 has 1 MA's), (30, 15975), (36, 16017), (65, 16293), (75, 16335), (81, 16386), (99, 16500), (101, 16509),

Gene: Conspiracy_19 Start: 13333, Stop: 14160, Start Num: 2
Candidate Starts for Conspiracy_19:
(Start: 2 @13333 has 76 MA's), (5, 13462), (Start: 22 @13594 has 500 MA's), (23, 13600), (29, 13633), (34, 13666), (41, 13696), (48, 13756), (56, 13861), (64, 13933), (76, 13990), (91, 14110),

Gene: Coog_19 Start: 13476, Stop: 14303, Start Num: 2
Candidate Starts for Coog_19:
(Start: 2 @13476 has 76 MA's), (5, 13605), (Start: 22 @13737 has 500 MA's), (23, 13743), (29, 13776), (34, 13809), (41, 13839), (48, 13899), (56, 14004), (64, 14076), (76, 14133), (91, 14253),

Gene: Cookiedough_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for Cookiedough_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Corvo_21 Start: 15033, Stop: 15881, Start Num: 22
Candidate Starts for Corvo_21:
(Start: 22 @15033 has 500 MA's), (30, 15078), (54, 15303), (65, 15390), (68, 15408), (75, 15432), (87, 15537), (108, 15759), (112, 15864), (113, 15867),

Gene: CosmicSans_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for CosmicSans_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Crispicous1_20 Start: 14025, Stop: 14876, Start Num: 22
Candidate Starts for Crispicous1_20:
(Start: 22 @14025 has 500 MA's), (30, 14070), (54, 14295), (65, 14382), (68, 14400), (75, 14424), (87, 14529), (104, 14616), (105, 14664),

Gene: Croquant_25 Start: 14471, Stop: 15067, Start Num: 21

Candidate Starts for Croquant_25:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Crucio_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for Crucio_23:
(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (87, 15528), (99, 15588),

Gene: Cuco_19 Start: 13507, Stop: 14334, Start Num: 2
Candidate Starts for Cuco_19:
(Start: 2 @13507 has 76 MA's), (5, 13636), (Start: 22 @13768 has 500 MA's), (23, 13774), (29, 13807), (34, 13840), (41, 13870), (48, 13930), (56, 14035), (64, 14107), (76, 14164), (91, 14284),

Gene: Cueylyss_21 Start: 14726, Stop: 15577, Start Num: 22
Candidate Starts for Cueylyss_21:
(Start: 22 @14726 has 500 MA's), (30, 14771), (54, 14996), (65, 15083), (68, 15101), (75, 15125), (87, 15230), (104, 15317), (105, 15365),

Gene: Cullens_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Cullens_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: D29_23 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for D29_23:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: D32_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for D32_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: DBQu4n_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for DBQu4n_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: DD5_22 Start: 15275, Stop: 16126, Start Num: 22
Candidate Starts for DD5_22:
(Start: 22 @15275 has 500 MA's), (30, 15320), (54, 15545), (65, 15632), (68, 15650), (75, 15674), (87, 15779), (104, 15866),

Gene: DaHudson_24 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for DaHudson_24:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: DaVinci_26 Start: 15210, Stop: 15812, Start Num: 22
Candidate Starts for DaVinci_26:
(Start: 22 @15210 has 500 MA's), (Start: 27 @15234 has 1 MA's), (48, 15387), (65, 15573), (74, 15609), (76, 15618), (77, 15630), (83, 15687),

Gene: Daishi_23 Start: 13398, Stop: 13994, Start Num: 21
Candidate Starts for Daishi_23:
(Start: 21 @13398 has 322 MA's), (Start: 27 @13422 has 1 MA's), (30, 13443), (32, 13458), (48, 13569), (64, 13746), (76, 13806), (81, 13851),

Gene: Dalmatian_23 Start: 15171, Stop: 15755, Start Num: 22
Candidate Starts for Dalmatian_23:
(Start: 22 @15171 has 500 MA's), (Start: 27 @15195 has 1 MA's), (30, 15216), (45, 15312), (64, 15525), (65, 15534), (72, 15564), (77, 15591), (81, 15624), (87, 15678),

Gene: Danforth_18 Start: 13018, Stop: 13620, Start Num: 21
Candidate Starts for Danforth_18:
(Start: 18 @13012 has 1 MA's), (Start: 21 @13018 has 322 MA's), (48, 13192), (49, 13228), (51, 13264), (54, 13294), (65, 13381), (67, 13396), (75, 13423), (81, 13474), (84, 13504),

Gene: Darrell_25 Start: 16089, Stop: 16685, Start Num: 22
Candidate Starts for Darrell_25:
(Start: 22 @16089 has 500 MA's), (Start: 27 @16113 has 1 MA's), (30, 16134), (31, 16140), (60, 16398), (64, 16440), (65, 16449), (81, 16542), (101, 16665),

Gene: DarthPhader_24 Start: 16058, Stop: 16654, Start Num: 22
Candidate Starts for DarthPhader_24:
(Start: 22 @16058 has 500 MA's), (Start: 27 @16082 has 1 MA's), (72, 16454), (75, 16463), (87, 16568),

Gene: Datway_22 Start: 14402, Stop: 14989, Start Num: 21
Candidate Starts for Datway_22:
(Start: 21 @14402 has 322 MA's), (Start: 25 @14423 has 1 MA's), (Start: 27 @14426 has 1 MA's), (32, 14462), (48, 14579), (63, 14747), (77, 14825), (81, 14858), (84, 14888),

Gene: Deano_22 Start: 14396, Stop: 14986, Start Num: 21
Candidate Starts for Deano_22:
(Start: 21 @14396 has 322 MA's), (Start: 25 @14417 has 1 MA's), (Start: 27 @14420 has 1 MA's), (48, 14567), (74, 14792), (81, 14846), (84, 14876),

Gene: DeerParkTS_24 Start: 15175, Stop: 15756, Start Num: 22
Candidate Starts for DeerParkTS_24:
(Start: 22 @15175 has 500 MA's), (Start: 27 @15199 has 1 MA's), (30, 15220), (47, 15325), (54, 15448), (65, 15535), (75, 15574), (77, 15592), (81, 15625), (87, 15679),

Gene: DekHockey33_25 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for DekHockey33_25:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: Deloris_24 Start: 15520, Stop: 16110, Start Num: 22
Candidate Starts for Deloris_24:
(Start: 22 @15520 has 500 MA's), (Start: 27 @15544 has 1 MA's), (30, 15565), (64, 15871), (65, 15880), (72, 15910), (77, 15937), (81, 15970), (87, 16024),

Gene: DelvinSonDorr_25 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for DelvinSonDorr_25:

(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Dexers_14 Start: 9859, Stop: 10422, Start Num: 22
Candidate Starts for Dexers_14:
(Start: 22 @9859 has 500 MA's), (54, 10093), (76, 10231), (90, 10348),

Gene: Dexes_22 Start: 15241, Stop: 16092, Start Num: 22
Candidate Starts for Dexes_22:
(Start: 22 @15241 has 500 MA's), (30, 15286), (54, 15511), (65, 15598), (68, 15616), (75, 15640), (87, 15745), (104, 15832), (105, 15880),

Gene: Dhanush_22 Start: 14391, Stop: 14981, Start Num: 21
Candidate Starts for Dhanush_22:
(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (48, 14562), (74, 14787), (81, 14841), (84, 14871),

Gene: Dieselweasel_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for Dieselweasel_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: Dignity_25 Start: 15540, Stop: 16130, Start Num: 22
Candidate Starts for Dignity_25:
(Start: 22 @15540 has 500 MA's), (Start: 27 @15564 has 1 MA's), (30, 15585), (49, 15753), (54, 15816), (57, 15825), (64, 15894), (65, 15903), (72, 15933), (77, 15960), (81, 15993), (87, 16047),

Gene: Dinger_18 Start: 10342, Stop: 11205, Start Num: 2
Candidate Starts for Dinger_18:
(1, 10279), (Start: 2 @10342 has 76 MA's), (28, 10648), (54, 10900), (56, 10906), (58, 10912), (63, 10969), (65, 10987), (72, 11023), (74, 11029), (87, 11137),

Gene: DirtDevil_22 Start: 15412, Stop: 16263, Start Num: 22
Candidate Starts for DirtDevil_22:
(Start: 22 @15412 has 500 MA's), (30, 15457), (54, 15682), (65, 15769), (68, 15787), (75, 15811), (87, 15916), (104, 16003), (105, 16051),

Gene: DirtyDunning_22 Start: 14384, Stop: 14974, Start Num: 21
Candidate Starts for DirtyDunning_22:
(Start: 21 @14384 has 322 MA's), (Start: 25 @14405 has 1 MA's), (Start: 27 @14408 has 1 MA's), (48, 14555), (74, 14780), (81, 14834), (84, 14864),

Gene: Discoknowium_19 Start: 13622, Stop: 14449, Start Num: 2
Candidate Starts for Discoknowium_19:
(Start: 2 @13622 has 76 MA's), (5, 13751), (Start: 22 @13883 has 500 MA's), (23, 13889), (29, 13922), (34, 13955), (41, 13985), (48, 14045), (56, 14150), (64, 14222), (76, 14279), (91, 14399),

Gene: Dixon_19 Start: 13037, Stop: 13639, Start Num: 21
Candidate Starts for Dixon_19:
(Start: 18 @13031 has 1 MA's), (Start: 21 @13037 has 322 MA's), (48, 13211), (49, 13247), (51, 13283), (54, 13313), (65, 13400), (67, 13415), (75, 13442), (81, 13493), (84, 13523),

Gene: DontArgue_21 Start: 12453, Stop: 13049, Start Num: 21

Candidate Starts for DontArgue_21:
(Start: 21 @12453 has 322 MA's), (Start: 25 @12474 has 1 MA's), (Start: 27 @12477 has 1 MA's), (32, 12513), (48, 12630), (63, 12798), (76, 12864), (81, 12909), (84, 12939),

Gene: Doom_22 Start: 15299, Stop: 16150, Start Num: 22
Candidate Starts for Doom_22:
(Start: 22 @15299 has 500 MA's), (30, 15344), (54, 15569), (65, 15656), (68, 15674), (75, 15698), (87, 15803), (104, 15890), (105, 15938),

Gene: Dorothea_26 Start: 15211, Stop: 15813, Start Num: 22
Candidate Starts for Dorothea_26:
(Start: 22 @15211 has 500 MA's), (Start: 27 @15235 has 1 MA's), (48, 15388), (65, 15574), (74, 15610), (76, 15619), (77, 15631), (83, 15688),

Gene: DrFeelGood_20 Start: 14651, Stop: 15502, Start Num: 22
Candidate Starts for DrFeelGood_20:
(Start: 22 @14651 has 500 MA's), (30, 14696), (54, 14921), (65, 15008), (68, 15026), (75, 15050), (87, 15155), (104, 15242), (105, 15290),

Gene: Drake55_25 Start: 15607, Stop: 16197, Start Num: 22
Candidate Starts for Drake55_25:
(Start: 22 @15607 has 500 MA's), (Start: 27 @15631 has 1 MA's), (30, 15652), (32, 15667), (54, 15883), (64, 15961), (65, 15970), (77, 16027), (87, 16114), (99, 16174),

Gene: Drake94_21 Start: 12286, Stop: 12882, Start Num: 21
Candidate Starts for Drake94_21:
(Start: 21 @12286 has 322 MA's), (Start: 25 @12307 has 1 MA's), (Start: 27 @12310 has 1 MA's), (32, 12346), (48, 12463), (75, 12691), (76, 12697), (84, 12772),

Gene: DreamCatcher_24 Start: 16008, Stop: 16856, Start Num: 22
Candidate Starts for DreamCatcher_24:
(Start: 22 @16008 has 500 MA's), (30, 16053), (54, 16278), (65, 16365), (68, 16383), (75, 16407), (102, 16584), (108, 16734), (112, 16839), (113, 16842),

Gene: DreamTeam1_23 Start: 14035, Stop: 14631, Start Num: 22
Candidate Starts for DreamTeam1_23:
(Start: 22 @14035 has 500 MA's), (Start: 27 @14059 has 1 MA's), (30, 14080), (75, 14440), (76, 14446),

Gene: Dreamboat_22 Start: 14475, Stop: 15323, Start Num: 22
Candidate Starts for Dreamboat_22:
(Start: 22 @14475 has 500 MA's), (30, 14520), (54, 14745), (65, 14832), (68, 14850), (75, 14874), (87, 14979), (102, 15051), (108, 15201), (112, 15306), (113, 15309),

Gene: DroogsArmy_23 Start: 15777, Stop: 16364, Start Num: 22
Candidate Starts for DroogsArmy_23:
(Start: 22 @15777 has 500 MA's), (Start: 25 @15798 has 1 MA's), (Start: 27 @15801 has 1 MA's), (48, 15954), (52, 16029), (74, 16179), (84, 16263),

Gene: DropBear_22 Start: 14052, Stop: 14636, Start Num: 21
Candidate Starts for DropBear_22:
(14, 14013), (Start: 21 @14052 has 322 MA's), (Start: 25 @14073 has 1 MA's), (Start: 27 @14076 has 1 MA's), (30, 14097), (32, 14112), (48, 14223), (51, 14295), (75, 14451), (81, 14502), (84, 14532), (87,

14556),

Gene: Druantia_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Druantia_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: Dublin_18 Start: 13475, Stop: 14302, Start Num: 2
Candidate Starts for Dublin_18:
(Start: 2 @13475 has 76 MA's), (5, 13604), (Start: 22 @13736 has 500 MA's), (23, 13742), (29, 13775), (34, 13808), (41, 13838), (48, 13898), (56, 14003), (64, 14075), (76, 14132), (91, 14252),

Gene: DudeLittle_23 Start: 15173, Stop: 15757, Start Num: 22
Candidate Starts for DudeLittle_23:
(Start: 22 @15173 has 500 MA's), (Start: 27 @15197 has 1 MA's), (30, 15218), (64, 15527), (65, 15536), (72, 15566), (77, 15593), (81, 15626), (87, 15680),

Gene: Dulcie_20 Start: 14217, Stop: 15068, Start Num: 22
Candidate Starts for Dulcie_20:
(Start: 22 @14217 has 500 MA's), (30, 14262), (54, 14487), (65, 14574), (68, 14592), (75, 14616), (87, 14721), (104, 14808), (105, 14856),

Gene: Duplo_26 Start: 15026, Stop: 15619, Start Num: 22
Candidate Starts for Duplo_26:
(Start: 22 @15026 has 500 MA's), (Start: 27 @15050 has 1 MA's), (30, 15071), (43, 15155), (55, 15299), (64, 15374), (65, 15383), (75, 15422), (77, 15440),

Gene: Dussy_22 Start: 14871, Stop: 15722, Start Num: 22
Candidate Starts for Dussy_22:
(Start: 22 @14871 has 500 MA's), (30, 14916), (54, 15141), (65, 15228), (68, 15246), (75, 15270), (87, 15375), (104, 15462), (105, 15510),

Gene: DustyMartin_25 Start: 14264, Stop: 14860, Start Num: 21
Candidate Starts for DustyMartin_25:
(14, 14225), (Start: 21 @14264 has 322 MA's), (Start: 25 @14285 has 1 MA's), (Start: 27 @14288 has 1 MA's), (32, 14324), (48, 14441), (63, 14609), (76, 14675), (79, 14693), (84, 14750),

Gene: Dynamix_22 Start: 14627, Stop: 15475, Start Num: 22
Candidate Starts for Dynamix_22:
(Start: 22 @14627 has 500 MA's), (30, 14672), (54, 14897), (65, 14984), (68, 15002), (75, 15026), (102, 15203), (108, 15353), (112, 15458), (113, 15461),

Gene: EZMoney23_27 Start: 17079, Stop: 17669, Start Num: 22
Candidate Starts for EZMoney23_27:
(Start: 22 @17079 has 500 MA's), (Start: 27 @17103 has 1 MA's), (30, 17124), (49, 17289), (54, 17352), (64, 17430), (65, 17439), (75, 17478), (87, 17583),

Gene: Eagle_21 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Eagle_21:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: EagleEye_25 Start: 15328, Stop: 15921, Start Num: 22

Candidate Starts for EagleEye_25:
(Start: 22 @15328 has 500 MA's), (Start: 27 @15352 has 1 MA's), (30, 15373), (59, 15631), (81, 15778), (94, 15865), (101, 15901),

Gene: Eaglepride_23 Start: 14204, Stop: 14800, Start Num: 21
Candidate Starts for Eaglepride_23:
(14, 14165), (Start: 21 @14204 has 322 MA's), (Start: 25 @14225 has 1 MA's), (Start: 27 @14228 has 1 MA's), (32, 14264), (48, 14381), (74, 14606), (76, 14615), (81, 14660), (84, 14690),

Gene: Eapen_22 Start: 14387, Stop: 14977, Start Num: 21
Candidate Starts for Eapen_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (48, 14558), (74, 14783), (81, 14837), (84, 14867),

Gene: Ebony_23 Start: 15682, Stop: 16296, Start Num: 22
Candidate Starts for Ebony_23:
(Start: 22 @15682 has 500 MA's), (23, 15688), (30, 15727), (39, 15787), (49, 15895), (54, 15958), (56, 15964), (64, 16036), (81, 16135),

Gene: Echild_23 Start: 15194, Stop: 15787, Start Num: 22
Candidate Starts for Echild_23:
(Start: 22 @15194 has 500 MA's), (Start: 27 @15218 has 1 MA's), (30, 15239), (49, 15407), (54, 15470), (57, 15479), (65, 15557), (72, 15587), (77, 15614), (81, 15647),

Gene: Edison31_22 Start: 14234, Stop: 14830, Start Num: 21
Candidate Starts for Edison31_22:
(14, 14195), (Start: 21 @14234 has 322 MA's), (Start: 25 @14255 has 1 MA's), (Start: 27 @14258 has 1 MA's), (32, 14294), (48, 14411), (74, 14636), (76, 14645), (81, 14690), (84, 14720),

Gene: EdogawaKiddo_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for EdogawaKiddo_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (36, 15987), (65, 16263), (75, 16305), (81, 16356), (99, 16470), (101, 16479),

Gene: Edtherson_22 Start: 15369, Stop: 16220, Start Num: 22
Candidate Starts for Edtherson_22:
(Start: 22 @15369 has 500 MA's), (30, 15414), (54, 15639), (65, 15726), (68, 15744), (73, 15762), (75, 15768), (87, 15873), (104, 15960), (105, 16008),

Gene: Eidsmoe_24 Start: 15930, Stop: 16526, Start Num: 22
Candidate Starts for Eidsmoe_24:
(Start: 22 @15930 has 500 MA's), (Start: 27 @15954 has 1 MA's), (30, 15975), (31, 15981), (65, 16293), (75, 16335), (81, 16386), (94, 16473), (99, 16500), (101, 16509),

Gene: ElGato_16 Start: 9866, Stop: 10441, Start Num: 22
Candidate Starts for ElGato_16:
(Start: 22 @9866 has 500 MA's), (54, 10100), (76, 10238), (90, 10355),

Gene: ElTiger69_19 Start: 13348, Stop: 14178, Start Num: 2
Candidate Starts for ElTiger69_19:
(Start: 2 @13348 has 76 MA's), (5, 13477), (11, 13531), (Start: 22 @13609 has 500 MA's), (23, 13615), (28, 13642), (33, 13675), (34, 13681), (35, 13687), (41, 13714), (48, 13774), (56, 13879), (64, 13951), (65, 13960), (74, 13999), (76, 14008), (91, 14128),

Gene: Elephantoon_24 Start: 15518, Stop: 16114, Start Num: 22
Candidate Starts for Elephantoon_24:
(Start: 22 @15518 has 500 MA's), (Start: 27 @15542 has 1 MA's), (30, 15563), (31, 15569), (65, 15878), (81, 15971), (101, 16094),

Gene: Elle_23 Start: 13906, Stop: 14502, Start Num: 21
Candidate Starts for Elle_23:
(Start: 21 @13906 has 322 MA's), (Start: 27 @13930 has 1 MA's), (30, 13951), (48, 14080), (56, 14185), (101, 14485),

Gene: EmiRose_12 Start: 8786, Stop: 9427, Start Num: 15
Candidate Starts for EmiRose_12:
(Start: 15 @8786 has 1 MA's), (40, 8909), (60, 9107), (62, 9131), (73, 9200), (76, 9212), (80, 9233), (85, 9299), (86, 9305), (89, 9323), (93, 9353), (98, 9374),

Gene: EmyBug_24 Start: 15930, Stop: 16526, Start Num: 22
Candidate Starts for EmyBug_24:
(Start: 22 @15930 has 500 MA's), (Start: 27 @15954 has 1 MA's), (30, 15975), (31, 15981), (65, 16293), (75, 16335), (81, 16386), (94, 16473), (99, 16500), (101, 16509),

Gene: EnzoK_22 Start: 14809, Stop: 15645, Start Num: 22
Candidate Starts for EnzoK_22:
(Start: 22 @14809 has 500 MA's), (30, 14854), (54, 15079), (65, 15166), (68, 15184), (75, 15208), (87, 15313), (104, 15400), (105, 15448),

Gene: EpicPhail_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for EpicPhail_24:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Epsocamisio_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for Epsocamisio_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Equemioh13_25 Start: 15592, Stop: 16182, Start Num: 22
Candidate Starts for Equemioh13_25:
(Start: 22 @15592 has 500 MA's), (Start: 27 @15616 has 1 MA's), (30, 15637), (54, 15868), (64, 15946), (65, 15955), (77, 16012), (87, 16099), (99, 16159),

Gene: EricB_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for EricB_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Erik_18 Start: 10377, Stop: 11234, Start Num: 2
Candidate Starts for Erik_18:
(1, 10314), (Start: 2 @10377 has 76 MA's), (6, 10518), (16, 10629), (28, 10683), (54, 10929), (56, 10935), (63, 10998), (65, 11016), (74, 11058), (87, 11166), (99, 11226),

Gene: Eris_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Eris_22:

(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Eros_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Eros_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Espica_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Espica_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Espresso_21 Start: 14679, Stop: 15527, Start Num: 22
Candidate Starts for Espresso_21:
(Start: 22 @14679 has 500 MA's), (30, 14724), (54, 14949), (65, 15036), (68, 15054), (75, 15078), (102, 15255), (106, 15372), (108, 15405), (112, 15510), (113, 15513),

Gene: Et2Brutus_22 Start: 15636, Stop: 16256, Start Num: 22
Candidate Starts for Et2Brutus_22:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: EtoileNova_23 Start: 14534, Stop: 15133, Start Num: 21
Candidate Starts for EtoileNova_23:
(Start: 21 @14534 has 322 MA's), (Start: 25 @14555 has 1 MA's), (Start: 27 @14558 has 1 MA's), (30, 14579), (32, 14594), (45, 14675), (48, 14711), (51, 14783), (75, 14939), (84, 15020),

Gene: Euphoria_21 Start: 14571, Stop: 15419, Start Num: 22
Candidate Starts for Euphoria_21:
(Start: 22 @14571 has 500 MA's), (30, 14616), (54, 14841), (65, 14928), (68, 14946), (75, 14970), (102, 15147), (108, 15297), (112, 15402), (113, 15405),

Gene: Eurydice_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Eurydice_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: EvilGenius_25 Start: 15508, Stop: 16098, Start Num: 22
Candidate Starts for EvilGenius_25:
(Start: 22 @15508 has 500 MA's), (Start: 27 @15532 has 1 MA's), (30, 15553), (49, 15721), (54, 15784), (57, 15793), (64, 15862), (65, 15871), (72, 15901), (75, 15910), (77, 15928),

Gene: Expelliarmus_18 Start: 13004, Stop: 13606, Start Num: 21
Candidate Starts for Expelliarmus_18:
(Start: 18 @12998 has 1 MA's), (Start: 21 @13004 has 322 MA's), (48, 13178), (49, 13214), (51, 13250), (54, 13280), (65, 13367), (67, 13382), (75, 13409), (81, 13460), (84, 13490),

Gene: ExplosioNervosa_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for ExplosioNervosa_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: Eyeball_21 Start: 14310, Stop: 15161, Start Num: 22
Candidate Starts for Eyeball_21:
(Start: 22 @14310 has 500 MA's), (30, 14355), (54, 14580), (65, 14667), (68, 14685), (75, 14709), (87, 14814), (104, 14901), (105, 14949),

Gene: Fajezeel_23 Start: 14890, Stop: 15741, Start Num: 22
Candidate Starts for Fajezeel_23:
(Start: 22 @14890 has 500 MA's), (30, 14935), (54, 15160), (65, 15247), (68, 15265), (75, 15289), (87, 15394), (104, 15481), (105, 15529),

Gene: Fameo_23 Start: 15099, Stop: 15683, Start Num: 22
Candidate Starts for Fameo_23:
(Start: 22 @15099 has 500 MA's), (Start: 27 @15123 has 1 MA's), (30, 15144), (49, 15306), (64, 15447), (65, 15456), (72, 15486), (75, 15495), (77, 15513), (81, 15546), (87, 15600), (92, 15624), (99, 15660),

Gene: Farber_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for Farber_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Fascinus_20 Start: 14313, Stop: 15164, Start Num: 22
Candidate Starts for Fascinus_20:
(Start: 22 @14313 has 500 MA's), (30, 14358), (54, 14583), (65, 14670), (68, 14688), (75, 14712), (87, 14817), (104, 14904),

Gene: FatCactus_21 Start: 13165, Stop: 13758, Start Num: 22
Candidate Starts for FatCactus_21:
(Start: 22 @13165 has 500 MA's), (Start: 25 @13186 has 1 MA's), (Start: 27 @13189 has 1 MA's), (56, 13444), (64, 13516), (81, 13618), (87, 13672),

Gene: Fayely_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Fayely_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (65, 16296), (81, 16389), (99, 16503), (101, 16512),

Gene: Fenn_22 Start: 16118, Stop: 16969, Start Num: 22
Candidate Starts for Fenn_22:
(Start: 22 @16118 has 500 MA's), (30, 16163), (54, 16388), (65, 16475), (68, 16493), (75, 16517), (87, 16622), (104, 16709), (105, 16757),

Gene: Fernando_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Fernando_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Fibonacci_23 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Fibonacci_23:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: FiringLine_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for FiringLine_23:

(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (79, 15447), (87, 15528), (99, 15588),

Gene: First_0023 Start: 15114, Stop: 15710, Start Num: 22
Candidate Starts for First_0023:
(Start: 22 @15114 has 500 MA's), (Start: 27 @15138 has 1 MA's), (30, 15159), (49, 15327), (57, 15399), (59, 15420), (64, 15468), (65, 15477), (74, 15513), (77, 15534), (81, 15567),

Gene: Flare16_23 Start: 15150, Stop: 15740, Start Num: 22
Candidate Starts for Flare16_23:
(Start: 22 @15150 has 500 MA's), (Start: 27 @15174 has 1 MA's), (30, 15195), (54, 15426), (64, 15504), (65, 15513), (77, 15570), (87, 15657), (99, 15717),

Gene: Flaverint_23 Start: 15633, Stop: 16247, Start Num: 22
Candidate Starts for Flaverint_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Florean_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Florean_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Florence1_19 Start: 13296, Stop: 14123, Start Num: 2
Candidate Starts for Florence1_19:
(Start: 2 @13296 has 76 MA's), (5, 13425), (Start: 22 @13557 has 500 MA's), (23, 13563), (29, 13596), (34, 13629), (41, 13659), (48, 13719), (56, 13824), (64, 13896), (76, 13953), (91, 14073),

Gene: Florence4_20 Start: 13296, Stop: 14123, Start Num: 2
Candidate Starts for Florence4_20:
(Start: 2 @13296 has 76 MA's), (5, 13425), (Start: 22 @13557 has 500 MA's), (23, 13563), (29, 13596), (34, 13629), (41, 13659), (48, 13719), (56, 13824), (64, 13896), (76, 13953), (91, 14073),

Gene: Flux_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Flux_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: FlyCatcher_26 Start: 16066, Stop: 16650, Start Num: 22
Candidate Starts for FlyCatcher_26:
(Start: 22 @16066 has 500 MA's), (Start: 25 @16087 has 1 MA's), (Start: 27 @16090 has 1 MA's), (30, 16111), (32, 16126), (48, 16237), (52, 16312), (84, 16546),

Gene: ForGetIt_19 Start: 13358, Stop: 14185, Start Num: 2
Candidate Starts for ForGetIt_19:
(Start: 2 @13358 has 76 MA's), (5, 13487), (Start: 22 @13619 has 500 MA's), (23, 13625), (29, 13658), (34, 13691), (41, 13721), (48, 13781), (56, 13886), (64, 13958), (76, 14015), (91, 14135),

Gene: ForesterFrank_25 Start: 16618, Stop: 17211, Start Num: 22
Candidate Starts for ForesterFrank_25:
(Start: 22 @16618 has 500 MA's), (Start: 25 @16639 has 1 MA's), (Start: 27 @16642 has 1 MA's), (30, 16663), (31, 16669), (54, 16891), (64, 16969), (65, 16978), (75, 17017), (87, 17122),

Gene: Forsytheast_20 Start: 14580, Stop: 15431, Start Num: 22
Candidate Starts for Forsytheast_20:
(Start: 22 @14580 has 500 MA's), (30, 14625), (54, 14850), (65, 14937), (68, 14955), (75, 14979), (87, 15084), (104, 15171), (105, 15219),

Gene: Francis47_21 Start: 15127, Stop: 15978, Start Num: 22
Candidate Starts for Francis47_21:
(Start: 22 @15127 has 500 MA's), (30, 15172), (54, 15397), (65, 15484), (68, 15502), (75, 15526), (87, 15631), (104, 15718), (105, 15766),

Gene: Fred313_22 Start: 13710, Stop: 14321, Start Num: 21
Candidate Starts for Fred313_22:
(14, 13671), (Start: 21 @13710 has 322 MA's), (Start: 25 @13731 has 1 MA's), (Start: 27 @13734 has 1 MA's), (30, 13755), (32, 13770), (48, 13887), (75, 14115), (81, 14166), (87, 14220),

Gene: Froghopper_22 Start: 14543, Stop: 15394, Start Num: 22
Candidate Starts for Froghopper_22:
(Start: 22 @14543 has 500 MA's), (30, 14588), (54, 14813), (65, 14900), (68, 14918), (75, 14942), (87, 15047), (104, 15134), (105, 15182),

Gene: Funston_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Funston_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Fushigi_22 Start: 14990, Stop: 15841, Start Num: 22
Candidate Starts for Fushigi_22:
(Start: 22 @14990 has 500 MA's), (30, 15035), (54, 15260), (65, 15347), (68, 15365), (75, 15389), (87, 15494), (104, 15581), (105, 15629),

Gene: GMonster_20 Start: 14426, Stop: 15274, Start Num: 22
Candidate Starts for GMonster_20:
(Start: 22 @14426 has 500 MA's), (30, 14471), (54, 14696), (65, 14783), (68, 14801), (75, 14825), (102, 15002), (108, 15152), (112, 15257), (113, 15260),

Gene: Gachnar_21 Start: 14601, Stop: 15452, Start Num: 22
Candidate Starts for Gachnar_21:
(Start: 22 @14601 has 500 MA's), (30, 14646), (54, 14871), (65, 14958), (68, 14976), (87, 15105), (104, 15192), (105, 15240),

Gene: Gadost_22 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for Gadost_22:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: GageAP_23 Start: 15307, Stop: 16155, Start Num: 22
Candidate Starts for GageAP_23:
(Start: 22 @15307 has 500 MA's), (30, 15352), (54, 15577), (65, 15664), (68, 15682), (75, 15706), (102, 15883), (108, 16033), (112, 16138), (113, 16141),

Gene: Gail_22 Start: 14209, Stop: 14802, Start Num: 19
Candidate Starts for Gail_22:

(Start: 19 @14209 has 3 MA's), (Start: 27 @14233 has 1 MA's), (30, 14254), (42, 14338), (54, 14485), (75, 14611), (76, 14617), (87, 14716),

Gene: Gandalf20_22 Start: 15374, Stop: 16222, Start Num: 22
Candidate Starts for Gandalf20_22:
(Start: 22 @15374 has 500 MA's), (30, 15419), (54, 15644), (65, 15731), (68, 15749), (75, 15773), (87, 15878), (102, 15950), (108, 16100), (112, 16205), (113, 16208),

Gene: Garak_27 Start: 15205, Stop: 15807, Start Num: 22
Candidate Starts for Garak_27:
(Start: 22 @15205 has 500 MA's), (Start: 27 @15229 has 1 MA's), (47, 15358), (48, 15382), (65, 15568), (74, 15604), (76, 15613), (77, 15625), (83, 15682),

Gene: GaugeLDP_25 Start: 16391, Stop: 16981, Start Num: 22
Candidate Starts for GaugeLDP_25:
(3, 16178), (Start: 22 @16391 has 500 MA's), (Start: 27 @16415 has 1 MA's), (30, 16436), (36, 16478), (54, 16664), (64, 16742), (65, 16751), (77, 16808), (87, 16895),

Gene: Gemma_24 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Gemma_24:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: George_18 Start: 13508, Stop: 14335, Start Num: 2
Candidate Starts for George_18:
(Start: 2 @13508 has 76 MA's), (5, 13637), (Start: 22 @13769 has 500 MA's), (23, 13775), (29, 13808), (34, 13841), (41, 13871), (48, 13931), (56, 14036), (64, 14108), (76, 14165), (91, 14285),

Gene: Georgie2_24 Start: 15025, Stop: 15606, Start Num: 22
Candidate Starts for Georgie2_24:
(Start: 22 @15025 has 500 MA's), (Start: 27 @15049 has 1 MA's), (30, 15070), (47, 15175), (54, 15298), (64, 15376), (65, 15385), (75, 15424), (87, 15529), (99, 15589),

Gene: Ghoulboy_19 Start: 13583, Stop: 14443, Start Num: 2
Candidate Starts for Ghoulboy_19:
(Start: 2 @13583 has 76 MA's), (5, 13712), (12, 13799), (Start: 22 @13853 has 500 MA's), (29, 13892), (34, 13931), (41, 13979), (47, 14015), (48, 14039), (56, 14144), (64, 14216), (83, 14342), (91, 14393),

Gene: Gilberta_23 Start: 15630, Stop: 16244, Start Num: 22
Candidate Starts for Gilberta_23:
(Start: 22 @15630 has 500 MA's), (23, 15636), (30, 15675), (39, 15735), (49, 15843), (54, 15906), (56, 15912), (64, 15984), (81, 16083),

Gene: GingkoMaracino_24 Start: 14359, Stop: 14955, Start Num: 21
Candidate Starts for GingkoMaracino_24:
(Start: 21 @14359 has 322 MA's), (Start: 27 @14383 has 1 MA's), (30, 14404), (32, 14419), (48, 14530), (64, 14707), (76, 14767), (81, 14812),

Gene: Giroux_23 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for Giroux_23:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: Gladiator_26 Start: 15183, Stop: 15785, Start Num: 22
Candidate Starts for Gladiator_26:
(Start: 22 @15183 has 500 MA's), (Start: 27 @15207 has 1 MA's), (47, 15336), (48, 15360), (65, 15546), (74, 15582), (76, 15591), (77, 15603), (83, 15660),

Gene: Gollum_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Gollum_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Gompeii16_21 Start: 15075, Stop: 15926, Start Num: 22
Candidate Starts for Gompeii16_21:
(Start: 22 @15075 has 500 MA's), (30, 15120), (54, 15345), (65, 15432), (68, 15450), (75, 15474), (87, 15579), (104, 15666), (105, 15714),

Gene: Goose_22 Start: 14195, Stop: 14791, Start Num: 21
Candidate Starts for Goose_22:
(14, 14156), (Start: 21 @14195 has 322 MA's), (Start: 25 @14216 has 1 MA's), (Start: 27 @14219 has 1 MA's), (32, 14255), (48, 14372), (75, 14600), (76, 14606), (81, 14651), (84, 14681),

Gene: Goose1D_22 Start: 13247, Stop: 13831, Start Num: 21
Candidate Starts for Goose1D_22:
(14, 13208), (Start: 21 @13247 has 322 MA's), (Start: 25 @13268 has 1 MA's), (Start: 27 @13271 has 1 MA's), (30, 13292), (32, 13307), (48, 13418), (51, 13490), (75, 13646), (81, 13697), (84, 13727), (87, 13751),

Gene: Goose1X_22 Start: 13319, Stop: 13903, Start Num: 21
Candidate Starts for Goose1X_22:
(14, 13280), (Start: 21 @13319 has 322 MA's), (Start: 25 @13340 has 1 MA's), (Start: 27 @13343 has 1 MA's), (30, 13364), (32, 13379), (48, 13490), (51, 13562), (75, 13718), (81, 13769), (84, 13799), (87, 13823),

Gene: Graduation_23 Start: 15340, Stop: 16188, Start Num: 22
Candidate Starts for Graduation_23:
(Start: 22 @15340 has 500 MA's), (30, 15385), (54, 15610), (65, 15697), (68, 15715), (75, 15739), (87, 15844), (102, 15916), (108, 16066),

Gene: Gratitude_25 Start: 15592, Stop: 16182, Start Num: 22
Candidate Starts for Gratitude_25:
(Start: 22 @15592 has 500 MA's), (Start: 27 @15616 has 1 MA's), (30, 15637), (54, 15868), (64, 15946), (65, 15955), (77, 16012), (87, 16099), (99, 16159),

Gene: GrecoEtereo_22 Start: 14881, Stop: 15729, Start Num: 22
Candidate Starts for GrecoEtereo_22:
(Start: 22 @14881 has 500 MA's), (30, 14926), (54, 15151), (65, 15238), (68, 15256), (75, 15280), (87, 15385), (102, 15457), (106, 15574), (108, 15607), (112, 15712), (113, 15715),

Gene: GreedyLawyer_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for GreedyLawyer_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: Greg_23 Start: 14890, Stop: 15741, Start Num: 22
Candidate Starts for Greg_23:
(Start: 22 @14890 has 500 MA's), (30, 14935), (54, 15160), (65, 15247), (68, 15265), (75, 15289), (87, 15394), (104, 15481), (105, 15529),

Gene: Grif_24 Start: 14556, Stop: 15152, Start Num: 21
Candidate Starts for Grif_24:
(Start: 21 @14556 has 322 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (48, 14727), (64, 14904), (76, 14964), (81, 15009),

Gene: GroundGoblin_22 Start: 15412, Stop: 16263, Start Num: 22
Candidate Starts for GroundGoblin_22:
(Start: 22 @15412 has 500 MA's), (30, 15457), (54, 15682), (65, 15769), (68, 15787), (75, 15811), (87, 15916), (104, 16003), (105, 16051),

Gene: Groundhog_18 Start: 13005, Stop: 13607, Start Num: 21
Candidate Starts for Groundhog_18:
(Start: 18 @12999 has 1 MA's), (Start: 21 @13005 has 322 MA's), (48, 13179), (49, 13215), (51, 13251), (54, 13281), (65, 13368), (67, 13383), (75, 13410), (81, 13461), (84, 13491),

Gene: Groupthink_25 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Groupthink_25:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Grub_24 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for Grub_24:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: Grum1_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for Grum1_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Gruunaga_26 Start: 15183, Stop: 15785, Start Num: 22
Candidate Starts for Gruunaga_26:
(Start: 22 @15183 has 500 MA's), (Start: 27 @15207 has 1 MA's), (47, 15336), (48, 15360), (65, 15546), (74, 15582), (76, 15591), (77, 15603), (83, 15660),

Gene: GtownJaz_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for GtownJaz_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: Gwendoluna_23 Start: 15987, Stop: 16838, Start Num: 22
Candidate Starts for Gwendoluna_23:
(Start: 22 @15987 has 500 MA's), (30, 16032), (48, 16158), (54, 16257), (65, 16344), (68, 16362), (75, 16386), (87, 16491), (104, 16578), (105, 16626),

Gene: Gwennie_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for Gwennie_24:

(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Gyzlar_23 Start: 15817, Stop: 16668, Start Num: 22
Candidate Starts for Gyzlar_23:
(Start: 22 @15817 has 500 MA's), (30, 15862), (54, 16087), (65, 16174), (68, 16192), (75, 16216), (87, 16321), (104, 16408), (105, 16456),

Gene: HINdeR_22 Start: 15876, Stop: 16463, Start Num: 22
Candidate Starts for HINdeR_22:
(Start: 22 @15876 has 500 MA's), (Start: 25 @15897 has 1 MA's), (Start: 27 @15900 has 1 MA's), (48, 16053), (52, 16128), (74, 16278), (84, 16362),

Gene: HamSlice_21 Start: 14386, Stop: 14976, Start Num: 21
Candidate Starts for HamSlice_21:
(Start: 21 @14386 has 322 MA's), (Start: 25 @14407 has 1 MA's), (Start: 27 @14410 has 1 MA's), (48, 14557), (74, 14782), (81, 14836), (84, 14866),

Gene: Hami1_23 Start: 14962, Stop: 15813, Start Num: 22
Candidate Starts for Hami1_23:
(Start: 22 @14962 has 500 MA's), (30, 15007), (54, 15232), (65, 15319), (68, 15337), (75, 15361), (87, 15466), (104, 15553), (105, 15601),

Gene: Hammer_26 Start: 15198, Stop: 15800, Start Num: 22
Candidate Starts for Hammer_26:
(Start: 22 @15198 has 500 MA's), (Start: 27 @15222 has 1 MA's), (47, 15351), (48, 15375), (65, 15561), (74, 15597), (76, 15606), (77, 15618), (83, 15675),

Gene: HanShotFirst_21 Start: 14496, Stop: 15347, Start Num: 22
Candidate Starts for HanShotFirst_21:
(Start: 22 @14496 has 500 MA's), (30, 14541), (54, 14766), (65, 14853), (68, 14871), (75, 14895), (87, 15000), (104, 15087), (105, 15135),

Gene: Hanray_24 Start: 15904, Stop: 16500, Start Num: 22
Candidate Starts for Hanray_24:
(Start: 22 @15904 has 500 MA's), (Start: 27 @15928 has 1 MA's), (30, 15949), (36, 15991), (65, 16267), (75, 16309), (81, 16360), (99, 16474), (101, 16483),

Gene: Happiness_22 Start: 14394, Stop: 14984, Start Num: 21
Candidate Starts for Happiness_22:
(Start: 21 @14394 has 322 MA's), (Start: 25 @14415 has 1 MA's), (Start: 27 @14418 has 1 MA's), (48, 14565), (74, 14790), (81, 14844), (84, 14874),

Gene: Harlequin_18 Start: 10322, Stop: 11185, Start Num: 2
Candidate Starts for Harlequin_18:
(1, 10259), (Start: 2 @10322 has 76 MA's), (28, 10628), (54, 10880), (56, 10886), (63, 10949), (65, 10967), (74, 11009), (87, 11117),

Gene: HarryHoudini_25 Start: 15607, Stop: 16197, Start Num: 22
Candidate Starts for HarryHoudini_25:
(Start: 22 @15607 has 500 MA's), (Start: 27 @15631 has 1 MA's), (30, 15652), (54, 15883), (64, 15961), (65, 15970), (77, 16027), (87, 16114), (99, 16174),

Gene: HarryOW_22 Start: 14881, Stop: 15732, Start Num: 22
Candidate Starts for HarryOW_22:
(Start: 22 @14881 has 500 MA's), (30, 14926), (54, 15151), (65, 15238), (68, 15256), (75, 15280), (87, 15385), (104, 15472), (105, 15520),

Gene: HashRod_25 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for HashRod_25:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: HaveUMetTed_25 Start: 14541, Stop: 15146, Start Num: 21
Candidate Starts for HaveUMetTed_25:
(Start: 21 @14541 has 322 MA's), (Start: 27 @14565 has 1 MA's), (30, 14586), (32, 14601), (48, 14712), (64, 14889), (75, 14943), (76, 14949), (81, 14994),

Gene: Heathen_22 Start: 13793, Stop: 14377, Start Num: 21
Candidate Starts for Heathen_22:
(14, 13754), (Start: 21 @13793 has 322 MA's), (Start: 25 @13814 has 1 MA's), (Start: 27 @13817 has 1 MA's), (30, 13838), (32, 13853), (48, 13964), (51, 14036), (75, 14192), (81, 14243), (84, 14273), (87, 14297),

Gene: Heffalump_25 Start: 16901, Stop: 17485, Start Num: 22
Candidate Starts for Heffalump_25:
(Start: 22 @16901 has 500 MA's), (Start: 27 @16925 has 1 MA's), (30, 16946), (49, 17108), (64, 17249), (65, 17258), (72, 17288), (75, 17297), (77, 17315), (81, 17348), (87, 17402), (92, 17426), (99, 17462),

Gene: HelDan_22 Start: 14045, Stop: 14629, Start Num: 21
Candidate Starts for HelDan_22:
(14, 14006), (Start: 21 @14045 has 322 MA's), (Start: 25 @14066 has 1 MA's), (Start: 27 @14069 has 1 MA's), (30, 14090), (32, 14105), (48, 14216), (51, 14288), (75, 14444), (81, 14495), (84, 14525), (87, 14549),

Gene: Heliosoles_24 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Heliosoles_24:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Helmet_26 Start: 15205, Stop: 15807, Start Num: 22
Candidate Starts for Helmet_26:
(Start: 22 @15205 has 500 MA's), (Start: 27 @15229 has 1 MA's), (47, 15358), (48, 15382), (65, 15568), (74, 15604), (76, 15613), (77, 15625), (83, 15682),

Gene: Herbertwm_20 Start: 13809, Stop: 14399, Start Num: 22
Candidate Starts for Herbertwm_20:
(Start: 22 @13809 has 500 MA's), (Start: 27 @13833 has 1 MA's), (30, 13854), (32, 13869), (49, 14019), (57, 14091), (64, 14160), (65, 14169), (81, 14259), (87, 14313),

Gene: Hercules11_24 Start: 14480, Stop: 15076, Start Num: 21
Candidate Starts for Hercules11_24:
(Start: 21 @14480 has 322 MA's), (Start: 27 @14504 has 1 MA's), (30, 14525), (32, 14540), (48, 14651), (64, 14828), (76, 14888), (81, 14933),

Gene: Hermia_23 Start: 15604, Stop: 16455, Start Num: 22
Candidate Starts for Hermia_23:
(Start: 22 @15604 has 500 MA's), (30, 15649), (54, 15874), (65, 15961), (68, 15979), (75, 16003), (87, 16108), (104, 16195), (105, 16243),

Gene: HermioneGrange_21 Start: 14516, Stop: 15367, Start Num: 22
Candidate Starts for HermioneGrange_21:
(Start: 22 @14516 has 500 MA's), (30, 14561), (54, 14786), (65, 14873), (68, 14891), (75, 14915), (87, 15020), (104, 15107), (105, 15155),

Gene: Hexamo_26 Start: 15165, Stop: 15767, Start Num: 22
Candidate Starts for Hexamo_26:
(Start: 22 @15165 has 500 MA's), (Start: 27 @15189 has 1 MA's), (47, 15318), (48, 15342), (65, 15528), (74, 15564), (76, 15573), (77, 15585), (83, 15642),

Gene: HippoHollow_24 Start: 16860, Stop: 17453, Start Num: 22
Candidate Starts for HippoHollow_24:
(Start: 22 @16860 has 500 MA's), (Start: 27 @16884 has 1 MA's), (30, 16905), (36, 16947), (54, 17133), (64, 17211), (65, 17220), (75, 17259), (81, 17310), (87, 17364), (101, 17433),

Gene: Hiro_18 Start: 10322, Stop: 11179, Start Num: 2
Candidate Starts for Hiro_18:
(1, 10259), (Start: 2 @10322 has 76 MA's), (13, 10544), (28, 10628), (54, 10874), (56, 10880), (63, 10943), (65, 10961), (74, 11003), (87, 11111),

Gene: Holex_24 Start: 15904, Stop: 16500, Start Num: 22
Candidate Starts for Holex_24:
(Start: 22 @15904 has 500 MA's), (Start: 27 @15928 has 1 MA's), (30, 15949), (36, 15991), (65, 16267), (75, 16309), (81, 16360), (99, 16474), (101, 16483),

Gene: Holli_22 Start: 14178, Stop: 14768, Start Num: 21
Candidate Starts for Holli_22:
(Start: 21 @14178 has 322 MA's), (Start: 25 @14199 has 1 MA's), (Start: 27 @14202 has 1 MA's), (48, 14349), (74, 14574), (81, 14628), (84, 14658),

Gene: Homines_21 Start: 14606, Stop: 15457, Start Num: 22
Candidate Starts for Homines_21:
(Start: 22 @14606 has 500 MA's), (30, 14651), (54, 14876), (65, 14963), (68, 14981), (75, 15005), (87, 15110), (104, 15197), (105, 15245),

Gene: Hookmount_23 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Hookmount_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Hoot_26 Start: 15188, Stop: 15790, Start Num: 22
Candidate Starts for Hoot_26:
(Start: 22 @15188 has 500 MA's), (Start: 27 @15212 has 1 MA's), (48, 15365), (65, 15551), (74, 15587), (76, 15596), (77, 15608), (83, 15665),

Gene: Hope4ever_21 Start: 14992, Stop: 15840, Start Num: 22
Candidate Starts for Hope4ever_21:

(Start: 22 @14992 has 500 MA's), (30, 15037), (54, 15262), (65, 15349), (68, 15367), (75, 15391), (102, 15568), (108, 15718), (112, 15823), (113, 15826),

Gene: HortumSL17_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for HortumSL17_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (65, 16263), (81, 16356), (99, 16470), (101, 16479),

Gene: Houdini22_22 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for Houdini22_22:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: HuhtaEnerson15_19 Start: 13508, Stop: 14335, Start Num: 2
Candidate Starts for HuhtaEnerson15_19:
(Start: 2 @13508 has 76 MA's), (5, 13637), (Start: 22 @13769 has 500 MA's), (23, 13775), (29, 13808), (34, 13841), (41, 13871), (48, 13931), (56, 14036), (64, 14108), (76, 14165), (91, 14285),

Gene: Hutc2_23 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Hutc2_23:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: Huxley_22 Start: 14452, Stop: 15042, Start Num: 21
Candidate Starts for Huxley_22:
(Start: 21 @14452 has 322 MA's), (Start: 25 @14473 has 1 MA's), (Start: 27 @14476 has 1 MA's), (48, 14623), (74, 14848), (81, 14902), (84, 14932),

Gene: ICleared_22 Start: 14386, Stop: 14976, Start Num: 21
Candidate Starts for ICleared_22:
(Start: 21 @14386 has 322 MA's), (Start: 25 @14407 has 1 MA's), (Start: 27 @14410 has 1 MA's), (48, 14557), (74, 14782), (81, 14836), (84, 14866),

Gene: ILeeKay_23 Start: 14751, Stop: 15602, Start Num: 22
Candidate Starts for ILeeKay_23:
(Start: 22 @14751 has 500 MA's), (30, 14796), (54, 15021), (65, 15108), (68, 15126), (75, 15150), (87, 15255), (104, 15342), (105, 15390),

Gene: Iceman_23 Start: 14677, Stop: 15267, Start Num: 21
Candidate Starts for Iceman_23:
(Start: 21 @14677 has 322 MA's), (Start: 25 @14698 has 1 MA's), (Start: 27 @14701 has 1 MA's), (48, 14848), (74, 15073), (81, 15127), (84, 15157),

Gene: Ichabod_22 Start: 14608, Stop: 15456, Start Num: 22
Candidate Starts for Ichabod_22:
(Start: 22 @14608 has 500 MA's), (30, 14653), (54, 14878), (65, 14965), (68, 14983), (75, 15007), (102, 15184), (106, 15301), (108, 15334), (112, 15439), (113, 15442),

Gene: Idleandcovert_22 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for Idleandcovert_22:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: IgnatiusPatJac_20 Start: 14577, Stop: 15428, Start Num: 22
Candidate Starts for IgnatiusPatJac_20:
(Start: 22 @14577 has 500 MA's), (30, 14622), (54, 14847), (65, 14934), (68, 14952), (75, 14976), (87, 15081), (104, 15168), (105, 15216),

Gene: Imbriano_26 Start: 15210, Stop: 15812, Start Num: 22
Candidate Starts for Imbriano_26:
(Start: 22 @15210 has 500 MA's), (Start: 27 @15234 has 1 MA's), (48, 15387), (65, 15573), (74, 15609), (76, 15618), (77, 15630), (83, 15687),

Gene: Indra_26 Start: 15210, Stop: 15812, Start Num: 22
Candidate Starts for Indra_26:
(Start: 22 @15210 has 500 MA's), (Start: 27 @15234 has 1 MA's), (47, 15363), (48, 15387), (65, 15573), (74, 15609), (76, 15618), (77, 15630), (83, 15687),

Gene: Insomnia_23 Start: 15685, Stop: 16305, Start Num: 22
Candidate Starts for Insomnia_23:
(Start: 22 @15685 has 500 MA's), (23, 15691), (30, 15730), (39, 15790), (49, 15898), (54, 15961), (56, 15967), (64, 16039), (81, 16138),

Gene: Inyanga_20 Start: 14354, Stop: 15205, Start Num: 22
Candidate Starts for Inyanga_20:
(Start: 22 @14354 has 500 MA's), (30, 14399), (54, 14624), (65, 14711), (68, 14729), (75, 14753), (87, 14858), (104, 14945), (105, 14993),

Gene: Iqorha_20 Start: 14353, Stop: 15204, Start Num: 22
Candidate Starts for Iqorha_20:
(Start: 22 @14353 has 500 MA's), (30, 14398), (54, 14623), (65, 14710), (68, 14728), (75, 14752), (87, 14857), (104, 14944), (105, 14992),

Gene: Iracema64_23 Start: 14700, Stop: 15290, Start Num: 21
Candidate Starts for Iracema64_23:
(Start: 21 @14700 has 322 MA's), (Start: 25 @14721 has 1 MA's), (Start: 27 @14724 has 1 MA's), (48, 14871), (74, 15096), (81, 15150), (84, 15180),

Gene: IronMan_25 Start: 16801, Stop: 17391, Start Num: 20
Candidate Starts for IronMan_25:
(Start: 20 @16801 has 5 MA's), (Start: 27 @16825 has 1 MA's), (54, 17074), (56, 17080), (65, 17161), (75, 17200), (87, 17305), (99, 17365),

Gene: Isca_22 Start: 13881, Stop: 14504, Start Num: 21
Candidate Starts for Isca_22:
(Start: 21 @13881 has 322 MA's), (Start: 25 @13902 has 1 MA's), (Start: 27 @13905 has 1 MA's), (30, 13926), (32, 13941), (48, 14058), (75, 14286),

Gene: Isiphiwo_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for Isiphiwo_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Iwokeuplikedis_24 Start: 15094, Stop: 15681, Start Num: 22
Candidate Starts for Iwokeuplikedis_24:

(Start: 22 @15094 has 500 MA's), (Start: 27 @15118 has 1 MA's), (30, 15139), (36, 15181), (54, 15367), (64, 15445), (65, 15454), (77, 15511), (87, 15598), (99, 15658),

Gene: JC27_23 Start: 15487, Stop: 16338, Start Num: 22
Candidate Starts for JC27_23:
(Start: 22 @15487 has 500 MA's), (30, 15532), (54, 15757), (65, 15844), (68, 15862), (75, 15886), (87, 15991), (104, 16078), (105, 16126),

Gene: JF2_22 Start: 13644, Stop: 14255, Start Num: 21
Candidate Starts for JF2_22:
(Start: 21 @13644 has 322 MA's), (Start: 25 @13665 has 1 MA's), (Start: 27 @13668 has 1 MA's), (30, 13689), (32, 13704), (48, 13821), (75, 14049),

Gene: JF4_22 Start: 13644, Stop: 14255, Start Num: 21
Candidate Starts for JF4_22:
(Start: 21 @13644 has 322 MA's), (Start: 25 @13665 has 1 MA's), (Start: 27 @13668 has 1 MA's), (30, 13689), (32, 13704), (48, 13821), (75, 14049),

Gene: JHC117_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for JHC117_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: JSwag_25 Start: 14218, Stop: 14820, Start Num: 21
Candidate Starts for JSwag_25:
(Start: 21 @14218 has 322 MA's), (Start: 25 @14239 has 1 MA's), (28, 14254), (30, 14263), (48, 14392), (49, 14428),

Gene: Jaan_26 Start: 17199, Stop: 17789, Start Num: 20
Candidate Starts for Jaan_26:
(Start: 20 @17199 has 5 MA's), (Start: 27 @17223 has 1 MA's), (30, 17244), (54, 17472), (56, 17478), (65, 17559), (75, 17598), (87, 17703),

Gene: Jabiru_19 Start: 13398, Stop: 14228, Start Num: 2
Candidate Starts for Jabiru_19:
(Start: 2 @13398 has 76 MA's), (5, 13527), (11, 13581), (Start: 22 @13659 has 500 MA's), (23, 13665), (33, 13725), (34, 13731), (35, 13737), (41, 13764), (48, 13824), (56, 13929), (64, 14001), (65, 14010), (74, 14049), (76, 14058), (91, 14178),

Gene: Jabith_23 Start: 15685, Stop: 16305, Start Num: 22
Candidate Starts for Jabith_23:
(Start: 22 @15685 has 500 MA's), (23, 15691), (30, 15730), (39, 15790), (49, 15898), (54, 15961), (56, 15967), (64, 16039), (81, 16138),

Gene: JackSparrow_22 Start: 14918, Stop: 15769, Start Num: 22
Candidate Starts for JackSparrow_22:
(Start: 22 @14918 has 500 MA's), (30, 14963), (54, 15188), (65, 15275), (68, 15293), (75, 15317), (87, 15422), (104, 15509), (105, 15557),

Gene: Jasper_22 Start: 14419, Stop: 15270, Start Num: 22
Candidate Starts for Jasper_22:
(Start: 22 @14419 has 500 MA's), (30, 14464), (54, 14689), (65, 14776), (68, 14794), (75, 14818), (87, 14923), (104, 15010), (105, 15058), (110, 15217),

Gene: Jaykayelowell_22 Start: 14384, Stop: 14974, Start Num: 21
Candidate Starts for Jaykayelowell_22:
(Start: 21 @14384 has 322 MA's), (Start: 25 @14405 has 1 MA's), (Start: 27 @14408 has 1 MA's), (48, 14555), (74, 14780), (81, 14834), (84, 14864),

Gene: Jeeves_22 Start: 14240, Stop: 14827, Start Num: 19
Candidate Starts for Jeeves_22:
(7, 14135), (Start: 19 @14240 has 3 MA's), (Start: 27 @14264 has 1 MA's), (30, 14285), (54, 14516), (75, 14642), (76, 14648), (87, 14747), (99, 14807),

Gene: Jeffabunny_26 Start: 15217, Stop: 15819, Start Num: 22
Candidate Starts for Jeffabunny_26:
(Start: 22 @15217 has 500 MA's), (Start: 27 @15241 has 1 MA's), (47, 15370), (48, 15394), (65, 15580), (74, 15616), (76, 15625), (77, 15637), (83, 15694),

Gene: JenCasNa_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for JenCasNa_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: JeppNRM_25 Start: 14545, Stop: 15141, Start Num: 21
Candidate Starts for JeppNRM_25:
(Start: 21 @14545 has 322 MA's), (Start: 27 @14569 has 1 MA's), (30, 14590), (32, 14605), (48, 14716), (64, 14893), (75, 14947), (76, 14953), (81, 14998),

Gene: Jerm_25 Start: 15532, Stop: 16122, Start Num: 22
Candidate Starts for Jerm_25:
(3, 15319), (Start: 22 @15532 has 500 MA's), (Start: 27 @15556 has 1 MA's), (30, 15577), (49, 15745), (54, 15808), (57, 15817), (64, 15886), (65, 15895), (72, 15925), (77, 15952), (81, 15985), (87, 16039),

Gene: Jerm2_22 Start: 14788, Stop: 15639, Start Num: 22
Candidate Starts for Jerm2_22:
(Start: 22 @14788 has 500 MA's), (30, 14833), (54, 15058), (65, 15145), (68, 15163), (75, 15187), (87, 15292), (104, 15379), (105, 15427),

Gene: Jester_18 Start: 10322, Stop: 11179, Start Num: 2
Candidate Starts for Jester_18:
(1, 10259), (Start: 2 @10322 has 76 MA's), (28, 10628), (54, 10874), (56, 10880), (63, 10943), (65, 10961), (74, 11003),

Gene: JetBlade_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for JetBlade_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: JewelBug_26 Start: 15212, Stop: 15814, Start Num: 22
Candidate Starts for JewelBug_26:
(Start: 22 @15212 has 500 MA's), (Start: 27 @15236 has 1 MA's), (48, 15389), (65, 15575), (74, 15611), (76, 15620), (77, 15632), (83, 15689),

Gene: Jhitchelle_14 Start: 9794, Stop: 10351, Start Num: 22
Candidate Starts for Jhitchelle_14:

(Start: 22 @9794 has 500 MA's), (54, 10028), (71, 10145), (76, 10166), (90, 10283), (100, 10334),

Gene: Jiawan_24 Start: 15936, Stop: 16532, Start Num: 22
Candidate Starts for Jiawan_24:
(Start: 22 @15936 has 500 MA's), (Start: 27 @15960 has 1 MA's), (30, 15981), (36, 16023), (65, 16299), (75, 16341), (81, 16392), (99, 16506), (101, 16515),

Gene: Jobu08_24 Start: 14540, Stop: 15136, Start Num: 21
Candidate Starts for Jobu08_24:
(Start: 21 @14540 has 322 MA's), (Start: 27 @14564 has 1 MA's), (30, 14585), (32, 14600), (48, 14711), (64, 14888), (75, 14942), (76, 14948), (81, 14993),

Gene: JoongJeon_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for JoongJeon_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Jordennis_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for Jordennis_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Jorgensen_21 Start: 14375, Stop: 15226, Start Num: 22
Candidate Starts for Jorgensen_21:
(Start: 22 @14375 has 500 MA's), (30, 14420), (54, 14645), (65, 14732), (68, 14750), (75, 14774), (87, 14879), (104, 14966), (105, 15014),

Gene: Joselito_23 Start: 15633, Stop: 16253, Start Num: 22
Candidate Starts for Joselito_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: JoshKayV_25 Start: 15499, Stop: 16092, Start Num: 22
Candidate Starts for JoshKayV_25:
(Start: 22 @15499 has 500 MA's), (Start: 27 @15523 has 1 MA's), (30, 15544), (49, 15712), (54, 15775), (64, 15853), (65, 15862), (72, 15892), (75, 15901), (77, 15919), (81, 15952),

Gene: Journey13_21 Start: 14241, Stop: 14840, Start Num: 22
Candidate Starts for Journey13_21:
(Start: 22 @14241 has 500 MA's), (Start: 27 @14265 has 1 MA's), (30, 14286), (54, 14514), (64, 14592), (65, 14601), (74, 14637), (77, 14658), (81, 14691), (83, 14715), (87, 14745),

Gene: Jovo_19 Start: 13614, Stop: 14441, Start Num: 2
Candidate Starts for Jovo_19:
(Start: 2 @13614 has 76 MA's), (5, 13743), (Start: 22 @13875 has 500 MA's), (23, 13881), (29, 13914), (34, 13947), (41, 13977), (48, 14037), (56, 14142), (64, 14214), (76, 14271), (91, 14391),

Gene: Jsquared_22 Start: 13941, Stop: 14531, Start Num: 22
Candidate Starts for Jsquared_22:
(Start: 22 @13941 has 500 MA's), (Start: 25 @13962 has 1 MA's), (Start: 27 @13965 has 1 MA's), (30, 13986), (54, 14214), (64, 14292), (65, 14301), (72, 14331), (75, 14340), (77, 14358),

Gene: JuliaChild_23 Start: 15046, Stop: 15897, Start Num: 22

Candidate Starts for JuliaChild_23:
(Start: 22 @15046 has 500 MA's), (30, 15091), (54, 15316), (65, 15403), (68, 15421), (75, 15445), (87, 15550), (104, 15637),

Gene: Junimo_21 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Junimo_21:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: KADY_25 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for KADY_25:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: KBG_22 Start: 15496, Stop: 16344, Start Num: 22
Candidate Starts for KBG_22:
(Start: 22 @15496 has 500 MA's), (30, 15541), (54, 15766), (65, 15853), (68, 15871), (75, 15895), (102, 16072), (106, 16189), (108, 16222), (112, 16327), (113, 16330),

Gene: KFPoly_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for KFPoly_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: KSSJEB_21 Start: 14393, Stop: 15241, Start Num: 22
Candidate Starts for KSSJEB_21:
(Start: 22 @14393 has 500 MA's), (30, 14438), (54, 14663), (65, 14750), (68, 14768), (75, 14792), (102, 14969), (108, 15119), (112, 15224), (113, 15227),

Gene: Kachowdy_22 Start: 14045, Stop: 14629, Start Num: 21
Candidate Starts for Kachowdy_22:
(14, 14006), (Start: 21 @14045 has 322 MA's), (Start: 25 @14066 has 1 MA's), (Start: 27 @14069 has 1 MA's), (30, 14090), (32, 14105), (48, 14216), (51, 14288), (75, 14444), (81, 14495), (84, 14525), (87, 14549),

Gene: Kaine_15 Start: 9859, Stop: 10422, Start Num: 22
Candidate Starts for Kaine_15:
(Start: 22 @9859 has 500 MA's), (54, 10093), (76, 10231), (90, 10348),

Gene: Kalb97_25 Start: 14545, Stop: 15141, Start Num: 21
Candidate Starts for Kalb97_25:
(Start: 21 @14545 has 322 MA's), (Start: 27 @14569 has 1 MA's), (30, 14590), (32, 14605), (48, 14716), (64, 14893), (75, 14947), (76, 14953), (81, 14998),

Gene: Kalnoky_25 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Kalnoky_25:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Kalpine_26 Start: 16884, Stop: 17477, Start Num: 22
Candidate Starts for Kalpine_26:
(Start: 22 @16884 has 500 MA's), (Start: 27 @16908 has 1 MA's), (30, 16929), (54, 17157), (64, 17235), (65, 17244), (77, 17301), (87, 17388), (101, 17457),

Gene: Kampy_22 Start: 14386, Stop: 14976, Start Num: 21
Candidate Starts for Kampy_22:
(Start: 21 @14386 has 322 MA's), (Start: 25 @14407 has 1 MA's), (Start: 27 @14410 has 1 MA's), (48, 14557), (74, 14782), (81, 14836), (84, 14866),

Gene: Kanely_22 Start: 15155, Stop: 16006, Start Num: 22
Candidate Starts for Kanely_22:
(Start: 22 @15155 has 500 MA's), (30, 15200), (54, 15425), (65, 15512), (68, 15530), (75, 15554), (87, 15659), (104, 15746), (105, 15794),

Gene: Katalie136_22 Start: 14396, Stop: 14983, Start Num: 21
Candidate Starts for Katalie136_22:
(Start: 21 @14396 has 322 MA's), (Start: 25 @14417 has 1 MA's), (Start: 27 @14420 has 1 MA's), (32, 14456), (48, 14573), (74, 14798), (77, 14819), (81, 14852), (84, 14882),

Gene: KatherineG_25 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for KatherineG_25:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: Kazan_26 Start: 15215, Stop: 15817, Start Num: 22
Candidate Starts for Kazan_26:
(Start: 22 @15215 has 500 MA's), (Start: 27 @15239 has 1 MA's), (48, 15392), (65, 15578), (74, 15614), (76, 15623), (77, 15635), (83, 15692),

Gene: KekoraPapaka_21 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for KekoraPapaka_21:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Kenmech_24 Start: 15957, Stop: 16808, Start Num: 22
Candidate Starts for Kenmech_24:
(Start: 22 @15957 has 500 MA's), (30, 16002), (54, 16227), (65, 16314), (68, 16332), (75, 16356), (87, 16461), (104, 16548), (105, 16596),

Gene: Kerberos_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for Kerberos_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: Keziacharles14_22 Start: 14027, Stop: 14620, Start Num: 22
Candidate Starts for Keziacharles14_22:
(Start: 22 @14027 has 500 MA's), (Start: 27 @14051 has 1 MA's), (30, 14072), (64, 14378), (81, 14480), (94, 14567), (99, 14594),

Gene: KikiBouba_23 Start: 15413, Stop: 16264, Start Num: 22
Candidate Starts for KikiBouba_23:
(Start: 22 @15413 has 500 MA's), (30, 15458), (54, 15683), (65, 15770), (68, 15788), (75, 15812), (87, 15917), (104, 16004), (105, 16052),

Gene: Killigrew_19 Start: 14029, Stop: 14877, Start Num: 22
Candidate Starts for Killigrew_19:

(Start: 22 @14029 has 500 MA's), (30, 14074), (54, 14299), (65, 14386), (68, 14404), (75, 14428), (87, 14533), (102, 14605), (108, 14755), (112, 14860), (113, 14863),

Gene: Kimba_23 Start: 15685, Stop: 16305, Start Num: 22
Candidate Starts for Kimba_23:
(Start: 22 @15685 has 500 MA's), (23, 15691), (30, 15730), (39, 15790), (49, 15898), (54, 15961), (56, 15967), (64, 16039), (81, 16138),

Gene: Kimona_19 Start: 11906, Stop: 12499, Start Num: 22
Candidate Starts for Kimona_19:
(Start: 22 @11906 has 500 MA's), (Start: 25 @11927 has 1 MA's), (Start: 27 @11930 has 1 MA's), (30, 11951), (32, 11966), (46, 12053), (48, 12083), (65, 12269), (74, 12308), (77, 12329), (81, 12362), (84, 12392), (87, 12416), (95, 12452),

Gene: KingCyrus_25 Start: 15499, Stop: 16089, Start Num: 22
Candidate Starts for KingCyrus_25:
(Start: 22 @15499 has 500 MA's), (Start: 27 @15523 has 1 MA's), (30, 15544), (49, 15712), (54, 15775), (57, 15784), (64, 15853), (65, 15862), (72, 15892), (75, 15901), (77, 15919),

Gene: Kingmustik0402_22 Start: 14380, Stop: 14970, Start Num: 21
Candidate Starts for Kingmustik0402_22:
(Start: 21 @14380 has 322 MA's), (Start: 25 @14401 has 1 MA's), (Start: 27 @14404 has 1 MA's), (48, 14551), (74, 14776), (81, 14830), (84, 14860),

Gene: Kinmap_22 Start: 14932, Stop: 15522, Start Num: 22
Candidate Starts for Kinmap_22:
(Start: 22 @14932 has 500 MA's), (Start: 27 @14956 has 1 MA's), (49, 15142),

Gene: Kipper29_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for Kipper29_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: KittenMittens_21 Start: 12294, Stop: 12890, Start Num: 21
Candidate Starts for KittenMittens_21:
(Start: 21 @12294 has 322 MA's), (Start: 25 @12315 has 1 MA's), (Start: 27 @12318 has 1 MA's), (32, 12354), (48, 12471), (75, 12699), (76, 12705), (84, 12780),

Gene: Klodlith_23 Start: 14035, Stop: 14631, Start Num: 22
Candidate Starts for Klodlith_23:
(Start: 22 @14035 has 500 MA's), (Start: 27 @14059 has 1 MA's), (30, 14080), (75, 14440), (76, 14446),

Gene: Koan_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Koan_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Koduck_24 Start: 14266, Stop: 14862, Start Num: 21
Candidate Starts for Koduck_24:
(Start: 21 @14266 has 322 MA's), (Start: 25 @14287 has 1 MA's), (Start: 27 @14290 has 1 MA's), (30, 14311), (36, 14353), (64, 14617), (65, 14626), (72, 14656), (75, 14665), (77, 14683), (101, 14839),

Gene: Koko_26 Start: 15231, Stop: 15824, Start Num: 22
Candidate Starts for Koko_26:
(Start: 22 @15231 has 500 MA's), (Start: 27 @15255 has 1 MA's), (31, 15282), (54, 15501), (59, 15531), (64, 15579), (65, 15588), (77, 15645),

Gene: Koreni_21 Start: 14034, Stop: 14624, Start Num: 21
Candidate Starts for Koreni_21:
(Start: 21 @14034 has 322 MA's), (Start: 25 @14055 has 1 MA's), (Start: 27 @14058 has 1 MA's), (48, 14205), (74, 14430), (81, 14484), (84, 14514),

Gene: Kratark_22 Start: 14383, Stop: 14973, Start Num: 21
Candidate Starts for Kratark_22:
(Start: 21 @14383 has 322 MA's), (Start: 25 @14404 has 1 MA's), (Start: 27 @14407 has 1 MA's), (48, 14554), (74, 14779), (81, 14833), (84, 14863),

Gene: Kremtemulon_22 Start: 14436, Stop: 15026, Start Num: 21
Candidate Starts for Kremtemulon_22:
(Start: 21 @14436 has 322 MA's), (Start: 25 @14457 has 1 MA's), (Start: 27 @14460 has 1 MA's), (48, 14607), (74, 14832), (81, 14886), (84, 14916),

Gene: Krishelle_18 Start: 10337, Stop: 11194, Start Num: 2
Candidate Starts for Krishelle_18:
(1, 10274), (Start: 2 @10337 has 76 MA's), (13, 10559), (28, 10643), (54, 10889), (56, 10895), (63, 10958), (65, 10976), (74, 11018), (87, 11126),

Gene: Kristoff_23 Start: 14382, Stop: 14978, Start Num: 21
Candidate Starts for Kristoff_23:
(14, 14343), (Start: 21 @14382 has 322 MA's), (Start: 25 @14403 has 1 MA's), (Start: 27 @14406 has 1 MA's), (32, 14442), (48, 14559), (63, 14727), (76, 14793), (79, 14811), (84, 14868),

Gene: Kugel_22 Start: 14667, Stop: 15518, Start Num: 22
Candidate Starts for Kugel_22:
(Start: 22 @14667 has 500 MA's), (30, 14712), (54, 14937), (65, 15024), (68, 15042), (75, 15066), (87, 15171), (104, 15258), (105, 15306),

Gene: KyMonks1A_23 Start: 14894, Stop: 15745, Start Num: 22
Candidate Starts for KyMonks1A_23:
(Start: 22 @14894 has 500 MA's), (30, 14939), (54, 15164), (65, 15251), (68, 15269), (75, 15293), (87, 15398), (104, 15485), (105, 15533),

Gene: Kyee_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Kyee_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: Kykar_19 Start: 14164, Stop: 15015, Start Num: 22
Candidate Starts for Kykar_19:
(Start: 22 @14164 has 500 MA's), (30, 14209), (54, 14434), (65, 14521), (68, 14539), (75, 14563), (87, 14668), (104, 14755),

Gene: L5_23 Start: 14277, Stop: 14873, Start Num: 21
Candidate Starts for L5_23:

(Start: 21 @14277 has 322 MA's), (Start: 25 @14298 has 1 MA's), (Start: 27 @14301 has 1 MA's), (30, 14322), (36, 14364), (64, 14628), (65, 14637), (72, 14667), (75, 14676), (77, 14694), (101, 14850),

Gene: LBerry_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for LBerry_24:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: LHTSCC_23 Start: 14700, Stop: 15290, Start Num: 21
Candidate Starts for LHTSCC_23:
(Start: 21 @14700 has 322 MA's), (Start: 25 @14721 has 1 MA's), (Start: 27 @14724 has 1 MA's), (48, 14871), (74, 15096), (81, 15150), (84, 15180),

Gene: LadyBird_23 Start: 15069, Stop: 15665, Start Num: 22
Candidate Starts for LadyBird_23:
(Start: 22 @15069 has 500 MA's), (Start: 27 @15093 has 1 MA's), (30, 15114), (49, 15282), (57, 15354), (59, 15375), (64, 15423), (65, 15432), (74, 15468), (77, 15489), (81, 15522), (87, 15576),

Gene: Lambert1_23 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Lambert1_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Lamina13_21 Start: 14170, Stop: 15021, Start Num: 22
Candidate Starts for Lamina13_21:
(Start: 22 @14170 has 500 MA's), (30, 14215), (54, 14440), (65, 14527), (68, 14545), (75, 14569), (87, 14674), (104, 14761), (105, 14809),

Gene: Landor_24 Start: 16851, Stop: 17441, Start Num: 20
Candidate Starts for Landor_24:
(Start: 20 @16851 has 5 MA's), (Start: 27 @16875 has 1 MA's), (30, 16896), (54, 17124), (56, 17130), (65, 17211), (75, 17250), (87, 17355),

Gene: LappelDuVide_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for LappelDuVide_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Larenn_24 Start: 15375, Stop: 15962, Start Num: 22
Candidate Starts for Larenn_24:
(Start: 22 @15375 has 500 MA's), (Start: 27 @15399 has 1 MA's), (30, 15420), (44, 15507), (47, 15525), (54, 15648), (64, 15726), (65, 15735), (75, 15774), (87, 15879), (99, 15939),

Gene: LarryKay_24 Start: 14559, Stop: 15155, Start Num: 21
Candidate Starts for LarryKay_24:
(Start: 21 @14559 has 322 MA's), (Start: 27 @14583 has 1 MA's), (30, 14604), (32, 14619), (48, 14730), (64, 14907), (76, 14967), (81, 15012),

Gene: LastResort_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for LastResort_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Lemur_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Lemur_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: LeoAvram_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for LeoAvram_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Leogania_25 Start: 17242, Stop: 17832, Start Num: 22
Candidate Starts for Leogania_25:
(Start: 22 @17242 has 500 MA's), (Start: 27 @17266 has 1 MA's), (30, 17287), (49, 17452), (54, 17515), (65, 17602), (77, 17659), (81, 17692), (87, 17746), (99, 17806), (101, 17815),

Gene: Lesedi_20 Start: 14331, Stop: 15182, Start Num: 22
Candidate Starts for Lesedi_20:
(Start: 22 @14331 has 500 MA's), (30, 14376), (54, 14601), (65, 14688), (68, 14706), (75, 14730), (87, 14835), (104, 14922), (105, 14970),

Gene: Lev2_19 Start: 13326, Stop: 14153, Start Num: 2
Candidate Starts for Lev2_19:
(Start: 2 @13326 has 76 MA's), (5, 13455), (Start: 22 @13587 has 500 MA's), (23, 13593), (29, 13626), (34, 13659), (41, 13689), (48, 13749), (56, 13854), (64, 13926), (73, 13971), (76, 13983), (91, 14103),

Gene: Levia_21 Start: 15357, Stop: 16205, Start Num: 22
Candidate Starts for Levia_21:
(Start: 22 @15357 has 500 MA's), (30, 15402), (54, 15627), (65, 15714), (68, 15732), (75, 15756), (102, 15933), (108, 16083),

Gene: Leviathan_25 Start: 15588, Stop: 16178, Start Num: 22
Candidate Starts for Leviathan_25:
(Start: 22 @15588 has 500 MA's), (Start: 27 @15612 has 1 MA's), (30, 15633), (49, 15801), (54, 15864), (57, 15873), (64, 15942), (65, 15951), (72, 15981), (77, 16008), (81, 16041), (87, 16095),

Gene: Licorice_23 Start: 15483, Stop: 16334, Start Num: 22
Candidate Starts for Licorice_23:
(Start: 22 @15483 has 500 MA's), (30, 15528), (54, 15753), (65, 15840), (68, 15858), (75, 15882), (87, 15987), (104, 16074), (105, 16122),

Gene: LilBib_22 Start: 15413, Stop: 16264, Start Num: 22
Candidate Starts for LilBib_22:
(Start: 22 @15413 has 500 MA's), (30, 15458), (54, 15683), (65, 15770), (68, 15788), (75, 15812), (87, 15917), (104, 16004),

Gene: LilTurb_25 Start: 15591, Stop: 16181, Start Num: 22
Candidate Starts for LilTurb_25:
(3, 15378), (Start: 22 @15591 has 500 MA's), (Start: 27 @15615 has 1 MA's), (30, 15636), (49, 15804), (54, 15867), (57, 15876), (64, 15945), (65, 15954), (72, 15984), (77, 16011), (81, 16044), (87, 16098),

Gene: Lilbunny_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for Lilbunny_26:

(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: Lilith_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for Lilith_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Lilleskat_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for Lilleskat_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (36, 15987), (65, 16263), (75, 16305), (81, 16356), (99, 16470), (101, 16479),

Gene: Lillie_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Lillie_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: LionsBait_24 Start: 16854, Stop: 17447, Start Num: 22
Candidate Starts for LionsBait_24:
(Start: 22 @16854 has 500 MA's), (Start: 27 @16878 has 1 MA's), (30, 16899), (36, 16941), (54, 17127), (64, 17205), (65, 17214), (75, 17253), (81, 17304), (87, 17358), (101, 17427),

Gene: LittleB_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for LittleB_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: LittleCherry_19 Start: 13509, Stop: 14336, Start Num: 2
Candidate Starts for LittleCherry_19:
(Start: 2 @13509 has 76 MA's), (5, 13638), (Start: 22 @13770 has 500 MA's), (23, 13776), (29, 13809), (34, 13842), (41, 13872), (48, 13932), (56, 14037), (64, 14109), (76, 14166), (91, 14286),

Gene: LittleGuy_22 Start: 14331, Stop: 14921, Start Num: 21
Candidate Starts for LittleGuy_22:
(Start: 21 @14331 has 322 MA's), (Start: 25 @14352 has 1 MA's), (Start: 27 @14355 has 1 MA's), (48, 14502), (74, 14727), (81, 14781), (84, 14811),

Gene: LochMonster_22 Start: 14363, Stop: 14953, Start Num: 21
Candidate Starts for LochMonster_22:
(Start: 21 @14363 has 322 MA's), (Start: 25 @14384 has 1 MA's), (Start: 27 @14387 has 1 MA's), (48, 14534), (74, 14759), (81, 14813), (84, 14843),

Gene: Lockley_21 Start: 14508, Stop: 15359, Start Num: 22
Candidate Starts for Lockley_21:
(Start: 22 @14508 has 500 MA's), (30, 14553), (54, 14778), (65, 14865), (68, 14883), (75, 14907), (87, 15012), (104, 15099),

Gene: LogiBear_25 Start: 14961, Stop: 15545, Start Num: 21
Candidate Starts for LogiBear_25:
(Start: 21 @14961 has 322 MA's), (Start: 25 @14982 has 1 MA's), (Start: 27 @14985 has 1 MA's), (28, 14997), (30, 15006), (48, 15132), (56, 15237), (75, 15363),

Gene: Lokk_26 Start: 16757, Stop: 17338, Start Num: 22
Candidate Starts for Lokk_26:
(Start: 22 @16757 has 500 MA's), (Start: 27 @16781 has 1 MA's), (30, 16802), (54, 17030), (64, 17108), (65, 17117), (75, 17156), (87, 17261),

Gene: LoneWolf_24 Start: 15703, Stop: 16296, Start Num: 22
Candidate Starts for LoneWolf_24:
(Start: 22 @15703 has 500 MA's), (Start: 27 @15727 has 1 MA's), (30, 15748), (31, 15754), (64, 16054), (81, 16156), (99, 16270), (101, 16279),

Gene: Looper_26 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for Looper_26:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Lopton_22 Start: 15932, Stop: 16783, Start Num: 22
Candidate Starts for Lopton_22:
(Start: 22 @15932 has 500 MA's), (30, 15977), (54, 16202), (65, 16289), (68, 16307), (75, 16331), (87, 16436), (104, 16523), (105, 16571),

Gene: Lorenzo_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Lorenzo_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Loser_26 Start: 16879, Stop: 17472, Start Num: 22
Candidate Starts for Loser_26:
(Start: 22 @16879 has 500 MA's), (Start: 27 @16903 has 1 MA's), (30, 16924), (49, 17089), (54, 17152), (64, 17230), (65, 17239), (77, 17296), (87, 17383), (101, 17452),

Gene: Louie6_24 Start: 14560, Stop: 15156, Start Num: 21
Candidate Starts for Louie6_24:
(Start: 21 @14560 has 322 MA's), (Start: 27 @14584 has 1 MA's), (30, 14605), (32, 14620), (48, 14731), (64, 14908), (76, 14968), (81, 15013),

Gene: Lowa_24 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for Lowa_24:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: Luchador_24 Start: 15438, Stop: 16031, Start Num: 22
Candidate Starts for Luchador_24:
(Start: 22 @15438 has 500 MA's), (Start: 27 @15462 has 1 MA's), (30, 15483), (75, 15840), (76, 15846), (101, 16014),

Gene: Lucivia_23 Start: 15682, Stop: 16302, Start Num: 22
Candidate Starts for Lucivia_23:
(Start: 22 @15682 has 500 MA's), (23, 15688), (30, 15727), (39, 15787), (49, 15895), (54, 15958), (56, 15964), (64, 16036), (81, 16135),

Gene: Lucyedi_24 Start: 15265, Stop: 15858, Start Num: 22
Candidate Starts for Lucyedi_24:

(Start: 22 @15265 has 500 MA's), (Start: 27 @15289 has 1 MA's), (30, 15310), (59, 15568), (81, 15715), (94, 15802), (101, 15838),

Gene: LugYA_26 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for LugYA_26:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: LunarLander_21 Start: 14287, Stop: 15138, Start Num: 22
Candidate Starts for LunarLander_21:
(Start: 22 @14287 has 500 MA's), (30, 14332), (54, 14557), (65, 14644), (68, 14662), (75, 14686), (87, 14791), (104, 14878), (105, 14926),

Gene: Lunsford_23 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Lunsford_23:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: MA5_22 Start: 13589, Stop: 14191, Start Num: 21
Candidate Starts for MA5_22:
(14, 13550), (Start: 21 @13589 has 322 MA's), (Start: 25 @13610 has 1 MA's), (Start: 27 @13613 has 1 MA's), (30, 13634), (32, 13649), (48, 13766), (75, 13994),

Gene: MK4_22 Start: 13878, Stop: 14489, Start Num: 21
Candidate Starts for MK4_22:
(Start: 21 @13878 has 322 MA's), (Start: 25 @13899 has 1 MA's), (Start: 27 @13902 has 1 MA's), (30, 13923), (32, 13938), (48, 14055), (75, 14283),

Gene: MPlant7149_20 Start: 14142, Stop: 14993, Start Num: 22
Candidate Starts for MPlant7149_20:
(Start: 22 @14142 has 500 MA's), (30, 14187), (54, 14412), (65, 14499), (68, 14517), (75, 14541), (87, 14646), (104, 14733), (105, 14781),

Gene: MaCh_23 Start: 15630, Stop: 16244, Start Num: 22
Candidate Starts for MaCh_23:
(Start: 22 @15630 has 500 MA's), (23, 15636), (30, 15675), (39, 15735), (49, 15843), (54, 15906), (56, 15912), (64, 15984), (81, 16083),

Gene: Mabel_23 Start: 15697, Stop: 16305, Start Num: 22
Candidate Starts for Mabel_23:
(Start: 22 @15697 has 500 MA's), (23, 15703), (30, 15742), (39, 15802), (49, 15910), (54, 15973), (64, 16051), (81, 16150),

Gene: MadMarie_24 Start: 14475, Stop: 15071, Start Num: 21
Candidate Starts for MadMarie_24:
(Start: 21 @14475 has 322 MA's), (Start: 27 @14499 has 1 MA's), (30, 14520), (32, 14535), (48, 14646), (64, 14823), (76, 14883), (81, 14928),

Gene: Magnar_21 Start: 14289, Stop: 15140, Start Num: 22
Candidate Starts for Magnar_21:
(Start: 22 @14289 has 500 MA's), (30, 14334), (54, 14559), (65, 14646), (68, 14664), (75, 14688), (87, 14793), (104, 14880), (105, 14928),

Gene: Magnito_20 Start: 14053, Stop: 14904, Start Num: 22
Candidate Starts for Magnito_20:
(Start: 22 @14053 has 500 MA's), (30, 14098), (54, 14323), (65, 14410), (68, 14428), (75, 14452), (87, 14557), (104, 14644),

Gene: Mainiac_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for Mainiac_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: MajorMajor_22 Start: 14011, Stop: 14601, Start Num: 22
Candidate Starts for MajorMajor_22:
(Start: 22 @14011 has 500 MA's), (Start: 27 @14035 has 1 MA's), (30, 14056), (36, 14098), (54, 14284), (64, 14362), (65, 14371), (72, 14401), (75, 14410), (77, 14428),

Gene: Makemake_21 Start: 15782, Stop: 16630, Start Num: 22
Candidate Starts for Makemake_21:
(Start: 22 @15782 has 500 MA's), (30, 15827), (54, 16052), (65, 16139), (68, 16157), (75, 16181), (87, 16286), (102, 16358), (108, 16508), (112, 16613), (113, 16616),

Gene: Malec_24 Start: 15380, Stop: 15967, Start Num: 22
Candidate Starts for Malec_24:
(Start: 22 @15380 has 500 MA's), (Start: 27 @15404 has 1 MA's), (30, 15425), (44, 15512), (47, 15530), (54, 15653), (64, 15731), (65, 15740), (75, 15779), (87, 15884), (99, 15944),

Gene: Malinsilva_26 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for Malinsilva_26:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: Maminiaina_24 Start: 15630, Stop: 16226, Start Num: 22
Candidate Starts for Maminiaina_24:
(Start: 22 @15630 has 500 MA's), (Start: 27 @15654 has 1 MA's), (65, 15993), (75, 16035), (76, 16041), (81, 16086), (99, 16200), (101, 16209),

Gene: Manatee_22 Start: 14804, Stop: 15652, Start Num: 22
Candidate Starts for Manatee_22:
(Start: 22 @14804 has 500 MA's), (30, 14849), (54, 15074), (65, 15161), (68, 15179), (75, 15203), (87, 15308), (102, 15380), (108, 15530), (112, 15635), (113, 15638),

Gene: Manu_25 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Manu_25:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: MarQuardt_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for MarQuardt_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: Marcell_21 Start: 14802, Stop: 15653, Start Num: 22
Candidate Starts for Marcell_21:

(Start: 22 @14802 has 500 MA's), (30, 14847), (54, 15072), (65, 15159), (68, 15177), (75, 15201), (87, 15306), (104, 15393), (105, 15441),

Gene: Marchesa_22 Start: 14043, Stop: 14627, Start Num: 21
Candidate Starts for Marchesa_22:
(14, 14004), (Start: 21 @14043 has 322 MA's), (Start: 25 @14064 has 1 MA's), (Start: 27 @14067 has 1 MA's), (30, 14088), (32, 14103), (48, 14214), (51, 14286), (75, 14442), (81, 14493), (84, 14523), (87, 14547),

Gene: Marchy_20 Start: 14132, Stop: 14980, Start Num: 22
Candidate Starts for Marchy_20:
(Start: 22 @14132 has 500 MA's), (30, 14177), (54, 14402), (65, 14489), (68, 14507), (75, 14531), (87, 14636), (102, 14708), (108, 14858), (112, 14963), (113, 14966),

Gene: Marco3_21 Start: 14777, Stop: 15628, Start Num: 22
Candidate Starts for Marco3_21:
(Start: 22 @14777 has 500 MA's), (30, 14822), (54, 15047), (65, 15134), (68, 15152), (75, 15176), (87, 15281), (104, 15368), (105, 15416),

Gene: Marge_22 Start: 15028, Stop: 15879, Start Num: 22
Candidate Starts for Marge_22:
(Start: 22 @15028 has 500 MA's), (30, 15073), (54, 15298), (65, 15385), (68, 15403), (75, 15427), (87, 15532), (104, 15619), (105, 15667),

Gene: Margo_23 Start: 14556, Stop: 15155, Start Num: 21
Candidate Starts for Margo_23:
(Start: 21 @14556 has 322 MA's), (Start: 25 @14577 has 1 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (45, 14697), (48, 14733), (51, 14805), (75, 14961), (84, 15042),

Gene: Marie_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Marie_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Marius_25 Start: 14547, Stop: 15143, Start Num: 21
Candidate Starts for Marius_25:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Maroc7_20 Start: 14314, Stop: 15165, Start Num: 22
Candidate Starts for Maroc7_20:
(Start: 22 @14314 has 500 MA's), (30, 14359), (54, 14584), (65, 14671), (68, 14689), (75, 14713), (87, 14818), (104, 14905), (105, 14953),

Gene: Marsha_21 Start: 15070, Stop: 15921, Start Num: 22
Candidate Starts for Marsha_21:
(Start: 22 @15070 has 500 MA's), (30, 15115), (54, 15340), (65, 15427), (68, 15445), (75, 15469), (87, 15574), (104, 15661), (105, 15709),

Gene: MaryBeth_21 Start: 14736, Stop: 15584, Start Num: 22
Candidate Starts for MaryBeth_21:
(Start: 22 @14736 has 500 MA's), (30, 14781), (54, 15006), (65, 15093), (68, 15111), (75, 15135), (87, 15240), (108, 15462), (112, 15567), (113, 15570),

Gene: MarysWell_18 Start: 13476, Stop: 14303, Start Num: 2
Candidate Starts for MarysWell_18:
(Start: 2 @13476 has 76 MA's), (5, 13605), (Start: 22 @13737 has 500 MA's), (23, 13743), (29, 13776), (34, 13809), (41, 13839), (48, 13899), (56, 14004), (64, 14076), (76, 14133), (91, 14253),

Gene: Maverick_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Maverick_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Maxo_22 Start: 14386, Stop: 14976, Start Num: 21
Candidate Starts for Maxo_22:
(Start: 21 @14386 has 322 MA's), (Start: 25 @14407 has 1 MA's), (Start: 27 @14410 has 1 MA's), (48, 14557), (74, 14782), (81, 14836), (84, 14866),

Gene: Mayonnaise_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Mayonnaise_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Mazhar510_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Mazhar510_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: McFly_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for McFly_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: McGuire_22 Start: 14623, Stop: 15471, Start Num: 22
Candidate Starts for McGuire_22:
(Start: 22 @14623 has 500 MA's), (30, 14668), (54, 14893), (65, 14980), (68, 14998), (75, 15022), (102, 15199), (108, 15349), (112, 15454), (113, 15457),

Gene: McSinger_22 Start: 14997, Stop: 15845, Start Num: 22
Candidate Starts for McSinger_22:
(Start: 22 @14997 has 500 MA's), (30, 15042), (54, 15267), (65, 15354), (68, 15372), (75, 15396), (102, 15573), (108, 15723),

Gene: Medusa_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Medusa_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: MeeZee_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for MeeZee_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: MegTheThird_22 Start: 14023, Stop: 14619, Start Num: 22
Candidate Starts for MegTheThird_22:

(Start: 22 @14023 has 500 MA's), (Start: 27 @14047 has 1 MA's), (64, 14377), (72, 14419), (75, 14428), (81, 14479),

Gene: Melvin_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Melvin_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: MetalQZJ_21 Start: 14736, Stop: 15584, Start Num: 22
Candidate Starts for MetalQZJ_21:
(Start: 22 @14736 has 500 MA's), (30, 14781), (54, 15006), (65, 15093), (68, 15111), (75, 15135), (87, 15240), (108, 15462), (112, 15567), (113, 15570),

Gene: Methuselah_23 Start: 14556, Stop: 15152, Start Num: 21
Candidate Starts for Methuselah_23:
(Start: 21 @14556 has 322 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (48, 14727), (64, 14904), (76, 14964), (81, 15009),

Gene: Micasa_19 Start: 13477, Stop: 14304, Start Num: 2
Candidate Starts for Micasa_19:
(Start: 2 @13477 has 76 MA's), (5, 13606), (Start: 22 @13738 has 500 MA's), (23, 13744), (29, 13777), (34, 13810), (41, 13840), (48, 13900), (56, 14005), (64, 14077), (76, 14134), (91, 14254),

Gene: Michley_21 Start: 14483, Stop: 15331, Start Num: 22
Candidate Starts for Michley_21:
(Start: 22 @14483 has 500 MA's), (30, 14528), (54, 14753), (65, 14840), (68, 14858), (75, 14882), (102, 15059), (108, 15209), (112, 15314), (113, 15317),

Gene: Microwolf_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for Microwolf_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: MiculUcigas_23 Start: 15150, Stop: 15740, Start Num: 22
Candidate Starts for MiculUcigas_23:
(Start: 22 @15150 has 500 MA's), (Start: 27 @15174 has 1 MA's), (30, 15195), (32, 15210), (54, 15426), (64, 15504), (65, 15513), (77, 15570), (87, 15657), (99, 15717),

Gene: Midas2_19 Start: 13476, Stop: 14303, Start Num: 2
Candidate Starts for Midas2_19:
(Start: 2 @13476 has 76 MA's), (5, 13605), (Start: 22 @13737 has 500 MA's), (23, 13743), (29, 13776), (34, 13809), (41, 13839), (48, 13899), (56, 14004), (64, 14076), (76, 14133), (91, 14253),

Gene: Miko_26 Start: 16727, Stop: 17308, Start Num: 22
Candidate Starts for Miko_26:
(Start: 22 @16727 has 500 MA's), (Start: 27 @16751 has 1 MA's), (30, 16772), (36, 16814), (54, 17000), (64, 17078), (65, 17087), (75, 17126), (87, 17231), (99, 17291),

Gene: Milcery_19 Start: 13513, Stop: 14340, Start Num: 2
Candidate Starts for Milcery_19:
(Start: 2 @13513 has 76 MA's), (5, 13642), (Start: 22 @13774 has 500 MA's), (23, 13780), (29, 13813), (34, 13846), (41, 13876), (48, 13936), (56, 14041), (64, 14113), (76, 14170), (91, 14290),

Gene: MilleFeuille_20 Start: 14060, Stop: 14911, Start Num: 22
Candidate Starts for MilleFeuille_20:
(Start: 22 @14060 has 500 MA's), (30, 14105), (54, 14330), (65, 14417), (68, 14435), (75, 14459), (87, 14564), (104, 14651), (105, 14699),

Gene: Millski_22 Start: 14391, Stop: 14981, Start Num: 21
Candidate Starts for Millski_22:
(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (48, 14562), (74, 14787), (81, 14841), (84, 14871),

Gene: MinecraftSteve_26 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for MinecraftSteve_26:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: Minispark_21 Start: 13967, Stop: 14563, Start Num: 22
Candidate Starts for Minispark_21:
(Start: 22 @13967 has 500 MA's), (Start: 27 @13991 has 1 MA's), (30, 14012), (31, 14018), (72, 14363), (75, 14372), (76, 14378), (81, 14423), (99, 14537), (101, 14546),

Gene: Miramae_22 Start: 14342, Stop: 14929, Start Num: 21
Candidate Starts for Miramae_22:
(Start: 21 @14342 has 322 MA's), (Start: 25 @14363 has 1 MA's), (Start: 27 @14366 has 1 MA's), (32, 14402), (48, 14519), (77, 14765), (81, 14798), (84, 14828),

Gene: Misomonster_26 Start: 14556, Stop: 15152, Start Num: 21
Candidate Starts for Misomonster_26:
(Start: 21 @14556 has 322 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (48, 14727), (64, 14904), (76, 14964), (81, 15009),

Gene: MissWhite_23 Start: 14201, Stop: 14800, Start Num: 22
Candidate Starts for MissWhite_23:
(Start: 22 @14201 has 500 MA's), (Start: 25 @14222 has 1 MA's), (Start: 27 @14225 has 1 MA's), (30, 14246), (49, 14411), (64, 14552), (65, 14561), (74, 14597), (77, 14618), (87, 14705),

Gene: Mkhuseli_22 Start: 14637, Stop: 15488, Start Num: 22
Candidate Starts for Mkhuseli_22:
(Start: 22 @14637 has 500 MA's), (30, 14682), (54, 14907), (65, 14994), (68, 15012), (75, 15036), (87, 15141), (104, 15228), (105, 15276),

Gene: Molly_22 Start: 14344, Stop: 15195, Start Num: 22
Candidate Starts for Molly_22:
(Start: 22 @14344 has 500 MA's), (30, 14389), (54, 14614), (65, 14701), (68, 14719), (75, 14743), (87, 14848), (104, 14935), (105, 14983),

Gene: Monet_23 Start: 15839, Stop: 16690, Start Num: 22
Candidate Starts for Monet_23:
(Start: 22 @15839 has 500 MA's), (30, 15884), (54, 16109), (65, 16196), (68, 16214), (73, 16232), (75, 16238), (87, 16343), (104, 16430), (105, 16478),

Gene: MoneyMay_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for MoneyMay_24:

(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Montavir_23 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for Montavir_23:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Moose_20 Start: 14580, Stop: 15431, Start Num: 22
Candidate Starts for Moose_20:
(Start: 22 @14580 has 500 MA's), (30, 14625), (54, 14850), (65, 14937), (68, 14955), (75, 14979), (87, 15084), (104, 15171), (105, 15219),

Gene: Morpher26_22 Start: 14396, Stop: 14983, Start Num: 21
Candidate Starts for Morpher26_22:
(Start: 21 @14396 has 322 MA's), (Start: 25 @14417 has 1 MA's), (Start: 27 @14420 has 1 MA's), (32, 14456), (48, 14573), (74, 14798), (77, 14819), (81, 14852), (84, 14882),

Gene: Morrow_22 Start: 14391, Stop: 14981, Start Num: 21
Candidate Starts for Morrow_22:
(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (48, 14562), (74, 14787), (81, 14841), (84, 14871),

Gene: MrGordo_21 Start: 14296, Stop: 15144, Start Num: 22
Candidate Starts for MrGordo_21:
(Start: 22 @14296 has 500 MA's), (30, 14341), (54, 14566), (65, 14653), (68, 14671), (75, 14695), (106, 14989), (108, 15022),

Gene: Mryolo_20 Start: 14330, Stop: 15181, Start Num: 22
Candidate Starts for Mryolo_20:
(Start: 22 @14330 has 500 MA's), (30, 14375), (54, 14600), (65, 14687), (68, 14705), (75, 14729), (87, 14834), (104, 14921), (105, 14969),

Gene: MuchMore_26 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for MuchMore_26:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: Mulciber_23 Start: 15633, Stop: 16247, Start Num: 22
Candidate Starts for Mulciber_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Mule_21 Start: 14618, Stop: 15469, Start Num: 22
Candidate Starts for Mule_21:
(Start: 22 @14618 has 500 MA's), (30, 14663), (54, 14888), (65, 14975), (68, 14993), (75, 15017), (87, 15122), (104, 15209), (105, 15257),

Gene: Munch_23 Start: 15633, Stop: 16253, Start Num: 22
Candidate Starts for Munch_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Mundrea_22 Start: 14362, Stop: 14949, Start Num: 21
Candidate Starts for Mundrea_22:
(Start: 21 @14362 has 322 MA's), (Start: 25 @14383 has 1 MA's), (Start: 27 @14386 has 1 MA's), (32, 14422), (48, 14539), (77, 14785), (81, 14818), (84, 14848),

Gene: Museum_23 Start: 14637, Stop: 15488, Start Num: 22
Candidate Starts for Museum_23:
(Start: 22 @14637 has 500 MA's), (30, 14682), (54, 14907), (65, 14994), (68, 15012), (75, 15036), (87, 15141), (104, 15228), (105, 15276),

Gene: MyraDee_20 Start: 12568, Stop: 13170, Start Num: 2
Candidate Starts for MyraDee_20:
(Start: 2 @12568 has 76 MA's), (9, 12736), (24, 12838), (26, 12847), (35, 12907), (38, 12925), (45, 12973), (50, 13048), (54, 13093),

Gene: Myxus_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for Myxus_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (65, 16263), (81, 16356), (99, 16470), (101, 16479),

Gene: NEHalo_21 Start: 14366, Stop: 15217, Start Num: 22
Candidate Starts for NEHalo_21:
(Start: 22 @14366 has 500 MA's), (30, 14411), (54, 14636), (65, 14723), (68, 14741), (75, 14765), (87, 14870), (104, 14957), (105, 15005),

Gene: NaSiaTalie_23 Start: 15147, Stop: 15737, Start Num: 22
Candidate Starts for NaSiaTalie_23:
(Start: 22 @15147 has 500 MA's), (Start: 27 @15171 has 1 MA's), (30, 15192), (54, 15423), (64, 15501), (65, 15510), (77, 15567), (87, 15654), (99, 15714),

Gene: Naca_19 Start: 13432, Stop: 14262, Start Num: 2
Candidate Starts for Naca_19:
(Start: 2 @13432 has 76 MA's), (5, 13561), (11, 13615), (Start: 22 @13693 has 500 MA's), (23, 13699), (34, 13765), (41, 13798), (48, 13858), (56, 13963), (64, 14035), (65, 14044), (74, 14083), (76, 14092), (87, 14191), (91, 14212),

Gene: Naiad_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Naiad_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Naira_22 Start: 16118, Stop: 16969, Start Num: 22
Candidate Starts for Naira_22:
(Start: 22 @16118 has 500 MA's), (30, 16163), (54, 16388), (65, 16475), (68, 16493), (75, 16517), (87, 16622), (104, 16709), (105, 16757),

Gene: Naji_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for Naji_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: Nancinator_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Nancinator_18:

(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Natosaleda_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Natosaleda_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: NearlyHeadless_19 Start: 13054, Stop: 13656, Start Num: 21
Candidate Starts for NearlyHeadless_19:
(8, 12952), (Start: 18 @13048 has 1 MA's), (Start: 21 @13054 has 322 MA's), (36, 13141), (48, 13228), (49, 13264), (51, 13300), (54, 13330), (65, 13417), (67, 13432), (75, 13459), (81, 13510), (84, 13540),

Gene: Nebs_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Nebs_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Nebulosus_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for Nebulosus_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Nedarya_24 Start: 14901, Stop: 15500, Start Num: 21
Candidate Starts for Nedarya_24:
(Start: 21 @14901 has 322 MA's), (Start: 25 @14922 has 1 MA's), (Start: 27 @14925 has 1 MA's), (48, 15075), (65, 15261),

Gene: Neeharika16_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for Neeharika16_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Nemo27_22 Start: 14408, Stop: 14977, Start Num: 25
Candidate Starts for Nemo27_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (48, 14558), (74, 14783), (81, 14837), (84, 14867),

Gene: Nerujay_22 Start: 15042, Stop: 15893, Start Num: 22
Candidate Starts for Nerujay_22:
(Start: 22 @15042 has 500 MA's), (30, 15087), (54, 15312), (65, 15399), (68, 15417), (75, 15441), (87, 15546), (104, 15633), (105, 15681),

Gene: Newrala_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for Newrala_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: Nhonho_21 Start: 14795, Stop: 15646, Start Num: 22
Candidate Starts for Nhonho_21:
(Start: 22 @14795 has 500 MA's), (30, 14840), (54, 15065), (65, 15152), (68, 15170), (75, 15194), (87, 15299), (104, 15386), (105, 15434),

Gene: NicoleTera_27 Start: 16855, Stop: 17448, Start Num: 22
Candidate Starts for NicoleTera_27:
(Start: 22 @16855 has 500 MA's), (Start: 27 @16879 has 1 MA's), (30, 16900), (49, 17065), (54, 17128), (64, 17206), (65, 17215), (72, 17245), (77, 17272), (87, 17359), (101, 17428),

Gene: Niza_23 Start: 15653, Stop: 16501, Start Num: 22
Candidate Starts for Niza_23:
(Start: 22 @15653 has 500 MA's), (30, 15698), (54, 15923), (65, 16010), (68, 16028), (75, 16052), (102, 16229), (108, 16379), (112, 16484), (113, 16487),

Gene: Noella_23 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Noella_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Noelle_22 Start: 14448, Stop: 15035, Start Num: 21
Candidate Starts for Noelle_22:
(Start: 21 @14448 has 322 MA's), (Start: 25 @14469 has 1 MA's), (Start: 27 @14472 has 1 MA's), (32, 14508), (48, 14625), (73, 14847), (81, 14904), (84, 14934),

Gene: Norbert_22 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Norbert_22:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: NorthStar_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for NorthStar_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Northrop_22 Start: 14384, Stop: 14974, Start Num: 21
Candidate Starts for Northrop_22:
(Start: 21 @14384 has 322 MA's), (Start: 25 @14405 has 1 MA's), (Start: 27 @14408 has 1 MA's), (48, 14555), (74, 14780), (81, 14834), (84, 14864),

Gene: Norz_23 Start: 15289, Stop: 16140, Start Num: 22
Candidate Starts for Norz_23:
(Start: 22 @15289 has 500 MA's), (30, 15334), (54, 15559), (65, 15646), (68, 15664), (75, 15688), (87, 15793), (104, 15880), (105, 15928),

Gene: NotAPhaseMom_22 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for NotAPhaseMom_22:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: NothingSpecial_25 Start: 17114, Stop: 17704, Start Num: 22
Candidate Starts for NothingSpecial_25:
(Start: 22 @17114 has 500 MA's), (Start: 27 @17138 has 1 MA's), (30, 17159), (54, 17387), (64, 17465), (65, 17474), (75, 17513), (77, 17531), (81, 17564), (87, 17618), (101, 17687),

Gene: Noxious_23 Start: 15604, Stop: 16455, Start Num: 22
Candidate Starts for Noxious_23:

(Start: 22 @15604 has 500 MA's), (30, 15649), (54, 15874), (65, 15961), (68, 15979), (75, 16003), (87, 16108), (104, 16195), (105, 16243),

Gene: Nyxis_22 Start: 14331, Stop: 14921, Start Num: 21
Candidate Starts for Nyxis_22:
(Start: 21 @14331 has 322 MA's), (Start: 25 @14352 has 1 MA's), (Start: 27 @14355 has 1 MA's), (48, 14502), (74, 14727), (81, 14781), (84, 14811),

Gene: OKCentral2016_22 Start: 13895, Stop: 14491, Start Num: 21
Candidate Starts for OKCentral2016_22:
(14, 13856), (Start: 21 @13895 has 322 MA's), (Start: 25 @13916 has 1 MA's), (Start: 27 @13919 has 1 MA's), (32, 13955), (48, 14072), (75, 14300), (76, 14306), (81, 14351), (84, 14381),

Gene: OKaNui_23 Start: 14441, Stop: 15031, Start Num: 21
Candidate Starts for OKaNui_23:
(Start: 21 @14441 has 322 MA's), (Start: 25 @14462 has 1 MA's), (Start: 27 @14465 has 1 MA's), (48, 14612), (74, 14837), (81, 14891), (84, 14921),

Gene: Obama12_23 Start: 14702, Stop: 15292, Start Num: 21
Candidate Starts for Obama12_23:
(Start: 21 @14702 has 322 MA's), (Start: 25 @14723 has 1 MA's), (Start: 27 @14726 has 1 MA's), (48, 14873), (74, 15098), (81, 15152), (84, 15182),

Gene: Odin_22 Start: 13878, Stop: 14471, Start Num: 22
Candidate Starts for Odin_22:
(Start: 22 @13878 has 500 MA's), (Start: 25 @13899 has 1 MA's), (Start: 27 @13902 has 1 MA's), (30, 13923), (54, 14151), (64, 14229), (65, 14238), (72, 14268), (74, 14274), (77, 14295), (87, 14382),

Gene: Ohfah_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Ohfah_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Ohno789_21 Start: 14436, Stop: 15287, Start Num: 22
Candidate Starts for Ohno789_21:
(Start: 22 @14436 has 500 MA's), (30, 14481), (54, 14706), (65, 14793), (68, 14811), (75, 14835), (87, 14940), (104, 15027), (105, 15075),

Gene: OlanP_24 Start: 14727, Stop: 15332, Start Num: 21
Candidate Starts for OlanP_24:
(Start: 21 @14727 has 322 MA's), (Start: 27 @14751 has 1 MA's), (30, 14772), (32, 14787), (48, 14898), (64, 15075), (76, 15135), (81, 15180),

Gene: Ollie_24 Start: 14344, Stop: 14940, Start Num: 21
Candidate Starts for Ollie_24:
(Start: 21 @14344 has 322 MA's), (Start: 27 @14368 has 1 MA's), (30, 14389), (32, 14404), (48, 14515), (64, 14692), (75, 14746), (76, 14752), (81, 14797),

Gene: Onglai_23 Start: 14234, Stop: 14830, Start Num: 22
Candidate Starts for Onglai_23:
(Start: 22 @14234 has 500 MA's), (Start: 27 @14258 has 1 MA's), (30, 14279), (36, 14321), (65, 14597), (75, 14639), (81, 14690), (99, 14804), (101, 14813),

Gene: Oofda_25 Start: 14203, Stop: 14805, Start Num: 21
Candidate Starts for Oofda_25:
(Start: 21 @14203 has 322 MA's), (Start: 25 @14224 has 1 MA's), (28, 14239), (30, 14248), (48, 14377), (49, 14413),

Gene: Oogway_20 Start: 14548, Stop: 15399, Start Num: 22
Candidate Starts for Oogway_20:
(Start: 22 @14548 has 500 MA's), (30, 14593), (54, 14818), (65, 14905), (68, 14923), (75, 14947), (87, 15052), (104, 15139), (105, 15187),

Gene: Orange_23 Start: 15633, Stop: 16253, Start Num: 22
Candidate Starts for Orange_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: P28Green_24 Start: 14475, Stop: 15068, Start Num: 21
Candidate Starts for P28Green_24:
(Start: 21 @14475 has 322 MA's), (Start: 27 @14499 has 1 MA's), (30, 14520), (32, 14535), (48, 14646), (64, 14823), (76, 14883), (81, 14928),

Gene: PGHhamlin_26 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for PGHhamlin_26:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: PP_32 Start: 20281, Stop: 20862, Start Num: 22
Candidate Starts for PP_32:
(Start: 22 @20281 has 500 MA's), (Start: 25 @20302 has 1 MA's), (48, 20452), (49, 20488), (52, 20527), (74, 20677), (84, 20761),

Gene: PSullivan_23 Start: 15046, Stop: 15897, Start Num: 22
Candidate Starts for PSullivan_23:
(Start: 22 @15046 has 500 MA's), (30, 15091), (54, 15316), (65, 15403), (68, 15421), (75, 15445), (87, 15550), (104, 15637),

Gene: PacerPaul_21 Start: 14813, Stop: 15661, Start Num: 22
Candidate Starts for PacerPaul_21:
(Start: 22 @14813 has 500 MA's), (30, 14858), (54, 15083), (65, 15170), (68, 15188), (75, 15212), (87, 15317), (108, 15539), (112, 15644), (113, 15647),

Gene: PackMan_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for PackMan_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (65, 16263), (81, 16356), (99, 16470), (101, 16479),

Gene: PainterBoy_24 Start: 15265, Stop: 15858, Start Num: 22
Candidate Starts for PainterBoy_24:
(Start: 22 @15265 has 500 MA's), (Start: 27 @15289 has 1 MA's), (30, 15310), (59, 15568), (81, 15715), (94, 15802), (101, 15838),

Gene: Palestino_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Palestino_22:

(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Panamaxus_22 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Panamaxus_22:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Papez_23 Start: 16265, Stop: 17116, Start Num: 22
Candidate Starts for Papez_23:
(Start: 22 @16265 has 500 MA's), (30, 16310), (54, 16535), (65, 16622), (68, 16640), (75, 16664), (87, 16769), (105, 16904),

Gene: Paphu_20 Start: 14002, Stop: 14853, Start Num: 22
Candidate Starts for Paphu_20:
(Start: 22 @14002 has 500 MA's), (30, 14047), (54, 14272), (65, 14359), (68, 14377), (75, 14401), (87, 14506), (104, 14593), (105, 14641),

Gene: Paraselene_20 Start: 14318, Stop: 15166, Start Num: 22
Candidate Starts for Paraselene_20:
(Start: 22 @14318 has 500 MA's), (30, 14363), (54, 14588), (65, 14675), (68, 14693), (75, 14717), (87, 14822), (102, 14894), (108, 15044), (112, 15149), (113, 15152),

Gene: Pari_22 Start: 14793, Stop: 15641, Start Num: 22
Candidate Starts for Pari_22:
(Start: 22 @14793 has 500 MA's), (30, 14838), (54, 15063), (65, 15150), (68, 15168), (75, 15192), (102, 15369), (108, 15519), (112, 15624), (113, 15627),

Gene: Parliament_20 Start: 14682, Stop: 15530, Start Num: 22
Candidate Starts for Parliament_20:
(Start: 22 @14682 has 500 MA's), (30, 14727), (54, 14952), (65, 15039), (68, 15057), (75, 15081), (102, 15258), (108, 15408), (112, 15513), (113, 15516),

Gene: Partridge_18 Start: 10405, Stop: 11268, Start Num: 2
Candidate Starts for Partridge_18:
(1, 10342), (Start: 2 @10405 has 76 MA's), (28, 10711), (54, 10963), (56, 10969), (63, 11032), (65, 11050), (74, 11092), (87, 11200),

Gene: PascalRango_20 Start: 14237, Stop: 15085, Start Num: 22
Candidate Starts for PascalRango_20:
(Start: 22 @14237 has 500 MA's), (30, 14282), (54, 14507), (65, 14594), (68, 14612), (75, 14636), (87, 14741), (102, 14813), (106, 14930), (108, 14963), (112, 15068), (113, 15071),

Gene: PattyP_23 Start: 14846, Stop: 15697, Start Num: 22
Candidate Starts for PattyP_23:
(Start: 22 @14846 has 500 MA's), (30, 14891), (54, 15116), (65, 15203), (68, 15221), (75, 15245), (87, 15350), (104, 15437), (105, 15485),

Gene: Pavo_16 Start: 10136, Stop: 10711, Start Num: 22
Candidate Starts for Pavo_16:
(Start: 22 @10136 has 500 MA's), (54, 10370), (76, 10508), (90, 10625),

Gene: Pawn_24 Start: 14547, Stop: 15143, Start Num: 21

Candidate Starts for Pawn_24:
(Start: 21 @14547 has 322 MA's), (Start: 27 @14571 has 1 MA's), (30, 14592), (32, 14607), (48, 14718), (64, 14895), (75, 14949), (76, 14955), (81, 15000),

Gene: Payneful_21 Start: 14132, Stop: 14980, Start Num: 22
Candidate Starts for Payneful_21:
(Start: 22 @14132 has 500 MA's), (30, 14177), (54, 14402), (65, 14489), (68, 14507), (75, 14531), (87, 14636), (102, 14708), (108, 14858), (112, 14963), (113, 14966),

Gene: PeaceMeal1_21 Start: 12295, Stop: 12891, Start Num: 21
Candidate Starts for PeaceMeal1_21:
(Start: 21 @12295 has 322 MA's), (Start: 25 @12316 has 1 MA's), (Start: 27 @12319 has 1 MA's), (32, 12355), (48, 12472), (75, 12700), (76, 12706), (84, 12781),

Gene: Peaches_22 Start: 14387, Stop: 14977, Start Num: 21
Candidate Starts for Peaches_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (48, 14558), (74, 14783), (81, 14837), (84, 14867),

Gene: Pelly_22 Start: 15082, Stop: 15933, Start Num: 22
Candidate Starts for Pelly_22:
(Start: 22 @15082 has 500 MA's), (30, 15127), (54, 15352), (65, 15439), (68, 15457), (75, 15481), (87, 15586), (104, 15673), (105, 15721),

Gene: Pembroke_24 Start: 14474, Stop: 15070, Start Num: 21
Candidate Starts for Pembroke_24:
(Start: 21 @14474 has 322 MA's), (Start: 27 @14498 has 1 MA's), (30, 14519), (32, 14534), (48, 14645), (64, 14822), (76, 14882), (81, 14927),

Gene: Penny1_24 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for Penny1_24:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Pepe_22 Start: 15037, Stop: 15885, Start Num: 22
Candidate Starts for Pepe_22:
(Start: 22 @15037 has 500 MA's), (30, 15082), (54, 15307), (65, 15394), (68, 15412), (75, 15436), (102, 15613), (108, 15763), (112, 15868), (113, 15871),

Gene: Perplexer_22 Start: 14390, Stop: 14977, Start Num: 21
Candidate Starts for Perplexer_22:
(Start: 21 @14390 has 322 MA's), (Start: 25 @14411 has 1 MA's), (Start: 27 @14414 has 1 MA's), (32, 14450), (48, 14567), (74, 14792), (77, 14813), (81, 14846), (84, 14876),

Gene: Perseus_22 Start: 14701, Stop: 15552, Start Num: 22
Candidate Starts for Perseus_22:
(Start: 22 @14701 has 500 MA's), (30, 14746), (54, 14971), (65, 15058), (68, 15076), (75, 15100), (87, 15205), (104, 15292), (105, 15340),

Gene: PeterPeter_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for PeterPeter_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Petersenfast_23 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Petersenfast_23:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: Peterson_24 Start: 16292, Stop: 17143, Start Num: 22
Candidate Starts for Peterson_24:
(Start: 22 @16292 has 500 MA's), (30, 16337), (54, 16562), (65, 16649), (68, 16667), (75, 16691), (87, 16796), (104, 16883),

Gene: PetiteSangsue_22 Start: 14396, Stop: 14983, Start Num: 21
Candidate Starts for PetiteSangsue_22:
(Start: 21 @14396 has 322 MA's), (Start: 25 @14417 has 1 MA's), (Start: 27 @14420 has 1 MA's), (32, 14456), (48, 14573), (74, 14798), (77, 14819), (81, 14852), (84, 14882),

Gene: Petp2012_23 Start: 15514, Stop: 16365, Start Num: 22
Candidate Starts for Petp2012_23:
(Start: 22 @15514 has 500 MA's), (30, 15559), (54, 15784), (65, 15871), (68, 15889), (75, 15913), (87, 16018), (104, 16105), (105, 16153),

Gene: Petruchio_21 Start: 14543, Stop: 15394, Start Num: 22
Candidate Starts for Petruchio_21:
(Start: 22 @14543 has 500 MA's), (30, 14588), (54, 14813), (65, 14900), (68, 14918), (75, 14942), (87, 15047), (104, 15134), (105, 15182),

Gene: PetterN_20 Start: 13318, Stop: 14148, Start Num: 2
Candidate Starts for PetterN_20:
(Start: 2 @13318 has 76 MA's), (5, 13447), (11, 13501), (Start: 22 @13579 has 500 MA's), (23, 13585), (34, 13651), (35, 13657), (41, 13684), (48, 13744), (56, 13849), (58, 13855), (64, 13921), (65, 13930), (73, 13966), (74, 13969), (76, 13978), (91, 14098),

Gene: Ph8s_24 Start: 13834, Stop: 14427, Start Num: 22
Candidate Starts for Ph8s_24:
(Start: 22 @13834 has 500 MA's), (Start: 25 @13855 has 1 MA's), (Start: 27 @13858 has 1 MA's), (30, 13879), (54, 14107), (64, 14185), (65, 14194), (72, 14224), (74, 14230), (77, 14251), (87, 14338),

Gene: Phacado_22 Start: 14387, Stop: 14977, Start Num: 21
Candidate Starts for Phacado_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (48, 14558), (74, 14783), (81, 14837), (84, 14867),

Gene: Phaded_26 Start: 17198, Stop: 17788, Start Num: 20
Candidate Starts for Phaded_26:
(Start: 20 @17198 has 5 MA's), (Start: 27 @17222 has 1 MA's), (30, 17243), (54, 17471), (56, 17477), (65, 17558), (75, 17597), (87, 17702),

Gene: Phaeder_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for Phaeder_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (65, 16263), (81, 16356), (99, 16470), (101, 16479),

Gene: PhailMary_17 Start: 10388, Stop: 11245, Start Num: 2

Candidate Starts for PhailMary_17:
(1, 10325), (Start: 2 @10388 has 76 MA's), (10, 10568), (28, 10694), (54, 10940), (56, 10946), (63, 11009), (65, 11027), (74, 11069), (87, 11177),

Gene: Phantastic_22 Start: 13958, Stop: 14542, Start Num: 21
Candidate Starts for Phantastic_22:
(14, 13919), (Start: 21 @13958 has 322 MA's), (Start: 25 @13979 has 1 MA's), (Start: 27 @13982 has 1 MA's), (30, 14003), (32, 14018), (48, 14129), (51, 14201), (75, 14357), (81, 14408),

Gene: Pharaoh_23 Start: 15662, Stop: 16255, Start Num: 22
Candidate Starts for Pharaoh_23:
(Start: 22 @15662 has 500 MA's), (Start: 27 @15686 has 1 MA's), (64, 16013), (75, 16064), (87, 16169), (101, 16238),

Gene: Phelipe_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Phelipe_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: PherrisBueller_22 Start: 14466, Stop: 15314, Start Num: 22
Candidate Starts for PherrisBueller_22:
(Start: 22 @14466 has 500 MA's), (30, 14511), (54, 14736), (65, 14823), (68, 14841), (75, 14865), (87, 14970), (102, 15042), (108, 15192), (112, 15297), (113, 15300),

Gene: Phighter1804_22 Start: 14366, Stop: 14956, Start Num: 21
Candidate Starts for Phighter1804_22:
(Start: 21 @14366 has 322 MA's), (Start: 25 @14387 has 1 MA's), (Start: 27 @14390 has 1 MA's), (48, 14537), (74, 14762), (81, 14816), (84, 14846),

Gene: Phillis_19 Start: 13012, Stop: 13614, Start Num: 21
Candidate Starts for Phillis_19:
(Start: 18 @13006 has 1 MA's), (Start: 21 @13012 has 322 MA's), (48, 13186), (49, 13222), (51, 13258), (65, 13375), (67, 13390), (75, 13417), (76, 13423), (81, 13468), (84, 13498),

Gene: PhineBark_20 Start: 15357, Stop: 16205, Start Num: 22
Candidate Starts for PhineBark_20:
(Start: 22 @15357 has 500 MA's), (30, 15402), (54, 15627), (65, 15714), (68, 15732), (75, 15756), (102, 15933), (108, 16083),

Gene: PhishRPhriends_23 Start: 13732, Stop: 14337, Start Num: 21
Candidate Starts for PhishRPhriends_23:
(Start: 21 @13732 has 322 MA's), (Start: 27 @13756 has 1 MA's), (30, 13777), (32, 13792), (48, 13903), (64, 14080), (75, 14134), (76, 14140), (81, 14185),

Gene: Phlei_18 Start: 15680, Stop: 16519, Start Num: 22
Candidate Starts for Phlei_18:
(Start: 22 @15680 has 500 MA's), (31, 15731), (37, 15770), (56, 15956), (64, 16028), (66, 16043), (72, 16067), (76, 16082), (77, 16094), (87, 16181), (105, 16316), (107, 16388), (109, 16463), (111, 16505), (112, 16511),

Gene: Phlippers_20 Start: 15537, Stop: 16388, Start Num: 22
Candidate Starts for Phlippers_20:

(Start: 22 @15537 has 500 MA's), (30, 15582), (54, 15807), (65, 15894), (68, 15912), (75, 15936), (87, 16041), (104, 16128),

Gene: Phlorence_19 Start: 13613, Stop: 14440, Start Num: 2
Candidate Starts for Phlorence_19:
(Start: 2 @13613 has 76 MA's), (5, 13742), (Start: 22 @13874 has 500 MA's), (23, 13880), (29, 13913), (34, 13946), (41, 13976), (48, 14036), (56, 14141), (64, 14213), (76, 14270), (91, 14390),

Gene: Phoebe_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Phoebe_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Phonnegut_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Phonnegut_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: Phontbonne_22 Start: 14332, Stop: 14922, Start Num: 21
Candidate Starts for Phontbonne_22:
(Start: 21 @14332 has 322 MA's), (Start: 25 @14353 has 1 MA's), (Start: 27 @14356 has 1 MA's), (48, 14503), (74, 14728), (81, 14782), (84, 14812),

Gene: Phoxy_24 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for Phoxy_24:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: Phrankenstein_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Phrankenstein_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Phranny_25 Start: 14539, Stop: 15135, Start Num: 21
Candidate Starts for Phranny_25:
(Start: 21 @14539 has 322 MA's), (Start: 27 @14563 has 1 MA's), (30, 14584), (32, 14599), (48, 14710), (64, 14887), (75, 14941), (76, 14947), (81, 14992),

Gene: PhrostyMug_21 Start: 14615, Stop: 15466, Start Num: 22
Candidate Starts for PhrostyMug_21:
(Start: 22 @14615 has 500 MA's), (30, 14660), (54, 14885), (65, 14972), (68, 14990), (75, 15014), (87, 15119), (104, 15206), (105, 15254),

Gene: PickleBack_19 Start: 13327, Stop: 14154, Start Num: 2
Candidate Starts for PickleBack_19:
(Start: 2 @13327 has 76 MA's), (5, 13456), (Start: 22 @13588 has 500 MA's), (23, 13594), (29, 13627), (34, 13660), (41, 13690), (48, 13750), (56, 13855), (64, 13927), (76, 13984), (91, 14104),

Gene: PinkPlastic_20 Start: 14380, Stop: 15231, Start Num: 22
Candidate Starts for PinkPlastic_20:
(Start: 22 @14380 has 500 MA's), (30, 14425), (54, 14650), (65, 14737), (68, 14755), (75, 14779), (87, 14884), (104, 14971), (105, 15019),

Gene: Pinto_23 Start: 14697, Stop: 15545, Start Num: 22
Candidate Starts for Pinto_23:
(Start: 22 @14697 has 500 MA's), (30, 14742), (54, 14967), (65, 15054), (68, 15072), (75, 15096), (102, 15273), (108, 15423), (112, 15528), (113, 15531),

Gene: Pioneer_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Pioneer_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: Pipcraft_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Pipcraft_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Pippin_23 Start: 14949, Stop: 15800, Start Num: 22
Candidate Starts for Pippin_23:
(Start: 22 @14949 has 500 MA's), (30, 14994), (54, 15219), (65, 15306), (68, 15324), (75, 15348), (87, 15453), (104, 15540), (105, 15588),

Gene: Piro94_24 Start: 15608, Stop: 16198, Start Num: 22
Candidate Starts for Piro94_24:
(Start: 22 @15608 has 500 MA's), (Start: 27 @15632 has 1 MA's), (30, 15653), (54, 15884), (64, 15962), (65, 15971), (77, 16028), (87, 16115), (99, 16175),

Gene: Pistachio_23 Start: 13539, Stop: 14123, Start Num: 21
Candidate Starts for Pistachio_23:
(14, 13500), (Start: 21 @13539 has 322 MA's), (Start: 25 @13560 has 1 MA's), (Start: 27 @13563 has 1 MA's), (30, 13584), (32, 13599), (48, 13710), (51, 13782), (75, 13938), (81, 13989), (84, 14019), (87, 14043),

Gene: Pita2_23 Start: 15046, Stop: 15897, Start Num: 22
Candidate Starts for Pita2_23:
(Start: 22 @15046 has 500 MA's), (30, 15091), (54, 15316), (65, 15403), (68, 15421), (75, 15445), (87, 15550), (104, 15637),

Gene: Pmask_26 Start: 15201, Stop: 15803, Start Num: 22
Candidate Starts for Pmask_26:
(Start: 22 @15201 has 500 MA's), (Start: 27 @15225 has 1 MA's), (48, 15378), (65, 15564), (74, 15600), (76, 15609), (77, 15621), (83, 15678),

Gene: Pocahontas_23 Start: 14528, Stop: 15127, Start Num: 21
Candidate Starts for Pocahontas_23:
(Start: 21 @14528 has 322 MA's), (Start: 25 @14549 has 1 MA's), (Start: 27 @14552 has 1 MA's), (30, 14573), (32, 14588), (45, 14669), (48, 14705), (51, 14777), (75, 14933), (84, 15014),

Gene: Polymorphads_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Polymorphads_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Polyphemus_26 Start: 15202, Stop: 15804, Start Num: 22
Candidate Starts for Polyphemus_26:

(Start: 22 @15202 has 500 MA's), (Start: 27 @15226 has 1 MA's), (48, 15379), (65, 15565), (74, 15601), (76, 15610), (77, 15622), (83, 15679),

Gene: Pomar16_26 Start: 15026, Stop: 15622, Start Num: 22
Candidate Starts for Pomar16_26:
(Start: 22 @15026 has 500 MA's), (Start: 27 @15050 has 1 MA's), (30, 15071), (55, 15302), (64, 15377), (65, 15386), (75, 15425), (77, 15443),

Gene: Poompha_21 Start: 12293, Stop: 12889, Start Num: 21
Candidate Starts for Poompha_21:
(Start: 21 @12293 has 322 MA's), (Start: 25 @12314 has 1 MA's), (Start: 27 @12317 has 1 MA's), (32, 12353), (48, 12470), (75, 12698), (76, 12704), (84, 12779),

Gene: Popcicle_23 Start: 14528, Stop: 15127, Start Num: 21
Candidate Starts for Popcicle_23:
(Start: 21 @14528 has 322 MA's), (Start: 25 @14549 has 1 MA's), (Start: 27 @14552 has 1 MA's), (30, 14573), (32, 14588), (45, 14669), (48, 14705), (51, 14777), (75, 14933), (84, 15014),

Gene: PotatoSplit_25 Start: 14473, Stop: 15069, Start Num: 21
Candidate Starts for PotatoSplit_25:
(Start: 21 @14473 has 322 MA's), (Start: 27 @14497 has 1 MA's), (30, 14518), (32, 14533), (48, 14644), (64, 14821), (76, 14881), (81, 14926),

Gene: Power_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for Power_23:
(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (87, 15528), (99, 15588),

Gene: PowerRanger_21 Start: 15173, Stop: 16024, Start Num: 22
Candidate Starts for PowerRanger_21:
(Start: 22 @15173 has 500 MA's), (30, 15218), (54, 15443), (65, 15530), (68, 15548), (75, 15572), (87, 15677), (104, 15764), (105, 15812),

Gene: Priamo_26 Start: 15225, Stop: 15827, Start Num: 22
Candidate Starts for Priamo_26:
(Start: 22 @15225 has 500 MA's), (Start: 27 @15249 has 1 MA's), (48, 15402), (65, 15588), (74, 15624), (76, 15633), (77, 15645), (83, 15702),

Gene: Prinashe11_19 Start: 13476, Stop: 14303, Start Num: 2
Candidate Starts for Prinashe11_19:
(Start: 2 @13476 has 76 MA's), (5, 13605), (Start: 22 @13737 has 500 MA's), (23, 13743), (29, 13776), (34, 13809), (41, 13839), (48, 13899), (56, 14004), (64, 14076), (76, 14133), (91, 14253),

Gene: Priya_24 Start: 15931, Stop: 16527, Start Num: 22
Candidate Starts for Priya_24:
(Start: 22 @15931 has 500 MA's), (Start: 27 @15955 has 1 MA's), (30, 15976), (31, 15982), (65, 16294), (75, 16336), (81, 16387), (94, 16474), (99, 16501), (101, 16510),

Gene: ProMouse_22 Start: 15022, Stop: 15870, Start Num: 22
Candidate Starts for ProMouse_22:
(Start: 22 @15022 has 500 MA's), (30, 15067), (54, 15292), (65, 15379), (68, 15397), (75, 15421), (106, 15715), (108, 15748),

Gene: Provolone_16 Start: 9866, Stop: 10441, Start Num: 22
Candidate Starts for Provolone_16:
(Start: 22 @9866 has 500 MA's), (54, 10100), (76, 10238), (90, 10355),

Gene: Prudy_26 Start: 16907, Stop: 17500, Start Num: 22
Candidate Starts for Prudy_26:
(Start: 22 @16907 has 500 MA's), (Start: 27 @16931 has 1 MA's), (30, 16952), (54, 17180), (64, 17258), (75, 17306), (87, 17411), (101, 17480),

Gene: Pukovnik_25 Start: 16753, Stop: 17343, Start Num: 22
Candidate Starts for Pukovnik_25:
(Start: 22 @16753 has 500 MA's), (Start: 27 @16777 has 1 MA's), (30, 16798), (54, 17026), (56, 17032), (65, 17113), (75, 17152), (87, 17257), (99, 17317),

Gene: Pumbaa_22 Start: 14363, Stop: 14953, Start Num: 21
Candidate Starts for Pumbaa_22:
(Start: 21 @14363 has 322 MA's), (Start: 25 @14384 has 1 MA's), (Start: 27 @14387 has 1 MA's), (48, 14534), (74, 14759), (81, 14813), (84, 14843),

Gene: Puppet_21 Start: 14619, Stop: 15470, Start Num: 22
Candidate Starts for Puppet_21:
(Start: 22 @14619 has 500 MA's), (30, 14664), (54, 14889), (65, 14976), (68, 14994), (75, 15018), (87, 15123), (104, 15210), (105, 15258),

Gene: Puppy_23 Start: 13611, Stop: 14195, Start Num: 21
Candidate Starts for Puppy_23:
(14, 13572), (Start: 21 @13611 has 322 MA's), (Start: 25 @13632 has 1 MA's), (Start: 27 @13635 has 1 MA's), (30, 13656), (32, 13671), (48, 13782), (51, 13854), (75, 14010), (81, 14061), (84, 14091),

Gene: PurpleHaze_24 Start: 14546, Stop: 15142, Start Num: 21
Candidate Starts for PurpleHaze_24:
(Start: 21 @14546 has 322 MA's), (Start: 27 @14570 has 1 MA's), (30, 14591), (32, 14606), (48, 14717), (64, 14894), (75, 14948), (76, 14954), (81, 14999),

Gene: QTRlifeCrisis_21 Start: 15023, Stop: 15874, Start Num: 22
Candidate Starts for QTRlifeCrisis_21:
(Start: 22 @15023 has 500 MA's), (30, 15068), (54, 15293), (65, 15380), (68, 15398), (75, 15422), (87, 15527), (104, 15614), (105, 15662),

Gene: Qobbit_24 Start: 15930, Stop: 16526, Start Num: 22
Candidate Starts for Qobbit_24:
(Start: 22 @15930 has 500 MA's), (Start: 27 @15954 has 1 MA's), (30, 15975), (36, 16017), (65, 16293), (75, 16335), (81, 16386), (99, 16500), (101, 16509),

Gene: QueenB2_23 Start: 15099, Stop: 15683, Start Num: 22
Candidate Starts for QueenB2_23:
(Start: 22 @15099 has 500 MA's), (Start: 27 @15123 has 1 MA's), (30, 15144), (49, 15306), (64, 15447), (65, 15456), (72, 15486), (75, 15495), (77, 15513), (81, 15546), (87, 15600), (92, 15624), (99, 15660),

Gene: QueenBeesly_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for QueenBeesly_23:

(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (79, 15447), (87, 15528), (99, 15588),

Gene: QuinnKiro_22 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for QuinnKiro_22:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Quokka_21 Start: 14011, Stop: 14601, Start Num: 22
Candidate Starts for Quokka_21:
(Start: 22 @14011 has 500 MA's), (Start: 27 @14035 has 1 MA's), (30, 14056), (36, 14098), (54, 14284), (64, 14362), (65, 14371), (72, 14401), (75, 14410), (77, 14428),

Gene: RER2_11 Start: 7250, Stop: 8107, Start Num: 2
Candidate Starts for RER2_11:
(1, 7187), (Start: 2 @7250 has 76 MA's), (6, 7391), (16, 7502), (28, 7556), (54, 7802), (56, 7808), (63, 7871), (65, 7889), (74, 7931), (87, 8039), (99, 8099),

Gene: RGL3_11 Start: 7217, Stop: 8077, Start Num: 2
Candidate Starts for RGL3_11:
(1, 7154), (Start: 2 @7217 has 76 MA's), (4, 7316), (28, 7523), (35, 7574), (54, 7775), (56, 7781), (63, 7844), (64, 7853), (65, 7862), (69, 7886), (74, 7904), (76, 7913), (87, 8012),

Gene: Rachaly_26 Start: 16754, Stop: 17335, Start Num: 22
Candidate Starts for Rachaly_26:
(Start: 22 @16754 has 500 MA's), (Start: 27 @16778 has 1 MA's), (30, 16799), (54, 17027), (64, 17105), (65, 17114), (75, 17153), (87, 17258),

Gene: Rahalelujah_22 Start: 13967, Stop: 14563, Start Num: 22
Candidate Starts for Rahalelujah_22:
(Start: 22 @13967 has 500 MA's), (Start: 27 @13991 has 1 MA's), (30, 14012), (31, 14018), (72, 14363), (75, 14372), (76, 14378), (81, 14423), (99, 14537), (101, 14546),

Gene: Raid_21 Start: 14307, Stop: 15155, Start Num: 22
Candidate Starts for Raid_21:
(Start: 22 @14307 has 500 MA's), (30, 14352), (54, 14577), (65, 14664), (68, 14682), (75, 14706), (102, 14883), (108, 15033), (112, 15138), (113, 15141),

Gene: Rajelicia_21 Start: 14831, Stop: 15679, Start Num: 22
Candidate Starts for Rajelicia_21:
(Start: 22 @14831 has 500 MA's), (30, 14876), (54, 15101), (65, 15188), (68, 15206), (75, 15230), (102, 15407), (108, 15557), (112, 15662), (113, 15665),

Gene: Rasputin_18 Start: 10346, Stop: 11203, Start Num: 2
Candidate Starts for Rasputin_18:
(1, 10283), (Start: 2 @10346 has 76 MA's), (16, 10598), (28, 10652), (54, 10898), (56, 10904), (63, 10967), (74, 11027), (76, 11036), (87, 11135),

Gene: Ravana_25 Start: 14193, Stop: 14795, Start Num: 21
Candidate Starts for Ravana_25:
(Start: 21 @14193 has 322 MA's), (Start: 25 @14214 has 1 MA's), (28, 14229), (30, 14238), (48, 14367), (49, 14403),

Gene: ReMo_25 Start: 14232, Stop: 14834, Start Num: 21
Candidate Starts for ReMo_25:
(Start: 21 @14232 has 322 MA's), (Start: 25 @14253 has 1 MA's), (28, 14268), (30, 14277), (48, 14406), (49, 14442),

Gene: Reba_25 Start: 14212, Stop: 14808, Start Num: 21
Candidate Starts for Reba_25:
(Start: 21 @14212 has 322 MA's), (Start: 27 @14236 has 1 MA's), (30, 14257), (32, 14272), (48, 14383), (64, 14560), (75, 14614), (76, 14620), (81, 14665),

Gene: Rebeuca_23 Start: 14383, Stop: 14979, Start Num: 21
Candidate Starts for Rebeuca_23:
(14, 14344), (Start: 21 @14383 has 322 MA's), (Start: 25 @14404 has 1 MA's), (Start: 27 @14407 has 1 MA's), (32, 14443), (48, 14560), (63, 14728), (76, 14794), (79, 14812), (84, 14869),

Gene: RedRock_26 Start: 17037, Stop: 17630, Start Num: 22
Candidate Starts for RedRock_26:
(Start: 22 @17037 has 500 MA's), (Start: 27 @17061 has 1 MA's), (30, 17082), (49, 17247), (54, 17310), (64, 17388), (65, 17397), (77, 17454), (87, 17541),

Gene: Refuge_26 Start: 17440, Stop: 18033, Start Num: 22
Candidate Starts for Refuge_26:
(Start: 22 @17440 has 500 MA's), (Start: 27 @17464 has 1 MA's), (87, 17950), (101, 18019),

Gene: Relief_22 Start: 14386, Stop: 14976, Start Num: 21
Candidate Starts for Relief_22:
(Start: 21 @14386 has 322 MA's), (Start: 25 @14407 has 1 MA's), (Start: 27 @14410 has 1 MA's), (48, 14557), (74, 14782), (81, 14836), (84, 14866),

Gene: Remus_25 Start: 14193, Stop: 14795, Start Num: 21
Candidate Starts for Remus_25:
(Start: 21 @14193 has 322 MA's), (Start: 25 @14214 has 1 MA's), (28, 14229), (30, 14238), (48, 14367), (49, 14403),

Gene: ResDef_23 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for ResDef_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Retro23_23 Start: 15172, Stop: 15756, Start Num: 22
Candidate Starts for Retro23_23:
(Start: 22 @15172 has 500 MA's), (Start: 27 @15196 has 1 MA's), (30, 15217), (45, 15313), (64, 15526), (65, 15535), (72, 15565), (77, 15592), (81, 15625), (87, 15679),

Gene: RexFury_18 Start: 10409, Stop: 11266, Start Num: 2
Candidate Starts for RexFury_18:
(1, 10346), (Start: 2 @10409 has 76 MA's), (6, 10550), (16, 10661), (28, 10715), (54, 10961), (56, 10967), (63, 11030), (65, 11048), (74, 11090), (87, 11198),

Gene: Rhodalysa_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Rhodalysa_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: RhynO_23 Start: 14353, Stop: 14949, Start Num: 21
Candidate Starts for RhynO_23:
(14, 14314), (Start: 21 @14353 has 322 MA's), (Start: 25 @14374 has 1 MA's), (Start: 27 @14377 has 1 MA's), (32, 14413), (48, 14530), (63, 14698), (76, 14764), (79, 14782), (84, 14839),

Gene: Rhynn_21 Start: 14624, Stop: 15475, Start Num: 22
Candidate Starts for Rhynn_21:
(Start: 22 @14624 has 500 MA's), (30, 14669), (54, 14894), (65, 14981), (68, 14999), (75, 15023), (87, 15128), (104, 15215), (105, 15263),

Gene: RidgeCB_21 Start: 14398, Stop: 15249, Start Num: 22
Candidate Starts for RidgeCB_21:
(Start: 22 @14398 has 500 MA's), (30, 14443), (54, 14668), (65, 14755), (68, 14773), (75, 14797), (87, 14902), (104, 14989), (105, 15037),

Gene: Rifter_26 Start: 15182, Stop: 15784, Start Num: 22
Candidate Starts for Rifter_26:
(Start: 22 @15182 has 500 MA's), (Start: 27 @15206 has 1 MA's), (47, 15335), (48, 15359), (49, 15395), (65, 15545), (74, 15581), (76, 15590), (77, 15602), (83, 15659),

Gene: Ringer_21 Start: 14882, Stop: 15733, Start Num: 22
Candidate Starts for Ringer_21:
(Start: 22 @14882 has 500 MA's), (30, 14927), (54, 15152), (65, 15239), (68, 15257), (75, 15281), (87, 15386), (104, 15473), (105, 15521),

Gene: Roary_19 Start: 12997, Stop: 13605, Start Num: 18
Candidate Starts for Roary_19:
(Start: 18 @12997 has 1 MA's), (Start: 21 @13003 has 322 MA's), (48, 13177), (49, 13213), (51, 13249), (54, 13279), (65, 13366), (67, 13381), (75, 13408), (81, 13459), (84, 13489),

Gene: RockieBear_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for RockieBear_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Rocksand_22 Start: 14384, Stop: 14974, Start Num: 21
Candidate Starts for Rocksand_22:
(Start: 21 @14384 has 322 MA's), (Start: 25 @14405 has 1 MA's), (Start: 27 @14408 has 1 MA's), (48, 14555), (74, 14780), (81, 14834), (84, 14864),

Gene: Rockstar_22 Start: 13886, Stop: 14497, Start Num: 21
Candidate Starts for Rockstar_22:
(Start: 21 @13886 has 322 MA's), (Start: 25 @13907 has 1 MA's), (Start: 27 @13910 has 1 MA's), (30, 13931), (32, 13946), (48, 14063), (75, 14291),

Gene: Rohr_22 Start: 14821, Stop: 15672, Start Num: 22
Candidate Starts for Rohr_22:
(Start: 22 @14821 has 500 MA's), (30, 14866), (54, 15091), (65, 15178), (68, 15196), (75, 15220), (87, 15325), (104, 15412), (105, 15460),

Gene: Roimos_22 Start: 13961, Stop: 14545, Start Num: 21
Candidate Starts for Roimos_22:

(14, 13922), (Start: 21 @13961 has 322 MA's), (Start: 25 @13982 has 1 MA's), (Start: 27 @13985 has 1 MA's), (30, 14006), (32, 14021), (48, 14132), (51, 14204), (75, 14360), (81, 14411), (84, 14441), (87, 14465),

Gene: Roksolana_26 Start: 15210, Stop: 15812, Start Num: 22
Candidate Starts for Roksolana_26:
(Start: 22 @15210 has 500 MA's), (Start: 27 @15234 has 1 MA's), (47, 15363), (48, 15387), (65, 15573), (74, 15609), (76, 15618), (77, 15630), (83, 15687),

Gene: Romney_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Romney_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Roosevelt_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Roosevelt_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Rosa24_21 Start: 14361, Stop: 14951, Start Num: 21
Candidate Starts for Rosa24_21:
(Start: 21 @14361 has 322 MA's), (Start: 25 @14382 has 1 MA's), (Start: 27 @14385 has 1 MA's), (48, 14532), (74, 14757), (81, 14811), (84, 14841),

Gene: Rosalind_25 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for Rosalind_25:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: Rowdy_25 Start: 14264, Stop: 14860, Start Num: 21
Candidate Starts for Rowdy_25:
(14, 14225), (Start: 21 @14264 has 322 MA's), (Start: 25 @14285 has 1 MA's), (Start: 27 @14288 has 1 MA's), (32, 14324), (48, 14441), (63, 14609), (76, 14675), (79, 14693), (84, 14750),

Gene: Rubeus_22 Start: 14656, Stop: 15507, Start Num: 22
Candidate Starts for Rubeus_22:
(Start: 22 @14656 has 500 MA's), (30, 14701), (54, 14926), (65, 15013), (68, 15031), (75, 15055), (87, 15160), (104, 15247), (105, 15295),

Gene: Rufus_22 Start: 14989, Stop: 15840, Start Num: 22
Candidate Starts for Rufus_22:
(Start: 22 @14989 has 500 MA's), (30, 15034), (54, 15259), (65, 15346), (68, 15364), (75, 15388), (87, 15493), (104, 15580), (105, 15628),

Gene: Ruin_22 Start: 14384, Stop: 14974, Start Num: 21
Candidate Starts for Ruin_22:
(Start: 21 @14384 has 322 MA's), (Start: 25 @14405 has 1 MA's), (Start: 27 @14408 has 1 MA's), (48, 14555), (74, 14780), (81, 14834), (84, 14864),

Gene: Rummer_24 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for Rummer_24:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: Ruotula_20 Start: 14826, Stop: 15677, Start Num: 22
Candidate Starts for Ruotula_20:
(Start: 22 @14826 has 500 MA's), (30, 14871), (54, 15096), (65, 15183), (68, 15201), (75, 15225), (87, 15330), (104, 15417), (105, 15465),

Gene: Rutherferd_23 Start: 15169, Stop: 16020, Start Num: 22
Candidate Starts for Rutherferd_23:
(Start: 22 @15169 has 500 MA's), (30, 15214), (54, 15439), (65, 15526), (68, 15544), (72, 15559), (75, 15568), (87, 15673), (104, 15760), (105, 15808),

Gene: RyeScarlet_24 Start: 15904, Stop: 16500, Start Num: 22
Candidate Starts for RyeScarlet_24:
(Start: 22 @15904 has 500 MA's), (Start: 27 @15928 has 1 MA's), (30, 15949), (36, 15991), (65, 16267), (75, 16309), (81, 16360), (99, 16474), (101, 16483),

Gene: STLscum_22 Start: 15032, Stop: 15883, Start Num: 22
Candidate Starts for STLscum_22:
(Start: 22 @15032 has 500 MA's), (30, 15077), (54, 15302), (65, 15389), (68, 15407), (75, 15431), (87, 15536), (104, 15623), (105, 15671),

Gene: Sabertooth_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Sabertooth_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Sabia_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for Sabia_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Sabinator_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Sabinator_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Sachima_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for Sachima_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (36, 15987), (65, 16263), (75, 16305), (81, 16356), (99, 16470), (101, 16479),

Gene: Saftant_15 Start: 10158, Stop: 10715, Start Num: 22
Candidate Starts for Saftant_15:
(Start: 22 @10158 has 500 MA's), (54, 10392), (70, 10506), (76, 10530), (90, 10647),

Gene: Sagefire_22 Start: 15429, Stop: 16280, Start Num: 22
Candidate Starts for Sagefire_22:
(Start: 22 @15429 has 500 MA's), (30, 15474), (54, 15699), (65, 15786), (68, 15804), (75, 15828), (87, 15933), (104, 16020), (105, 16068),

Gene: Saintus_19 Start: 13018, Stop: 13620, Start Num: 21
Candidate Starts for Saintus_19:

(Start: 18 @13012 has 1 MA's), (Start: 21 @13018 has 322 MA's), (48, 13192), (49, 13228), (51, 13264), (54, 13294), (65, 13381), (67, 13396), (75, 13423), (81, 13474), (84, 13504),

Gene: Salz_23 Start: 15630, Stop: 16244, Start Num: 22
Candidate Starts for Salz_23:
(Start: 22 @15630 has 500 MA's), (23, 15636), (30, 15675), (39, 15735), (49, 15843), (54, 15906), (56, 15912), (64, 15984), (81, 16083),

Gene: Sandaddy_20 Start: 14544, Stop: 15395, Start Num: 22
Candidate Starts for Sandaddy_20:
(Start: 22 @14544 has 500 MA's), (30, 14589), (54, 14814), (65, 14901), (68, 14919), (75, 14943), (87, 15048), (104, 15135), (105, 15183),

Gene: Sanya_21 Start: 15206, Stop: 16057, Start Num: 22
Candidate Starts for Sanya_21:
(Start: 22 @15206 has 500 MA's), (30, 15251), (54, 15476), (65, 15563), (68, 15581), (75, 15605), (87, 15710), (104, 15797), (105, 15845),

Gene: SarFire_21 Start: 14698, Stop: 15546, Start Num: 22
Candidate Starts for SarFire_21:
(Start: 22 @14698 has 500 MA's), (30, 14743), (54, 14968), (65, 15055), (68, 15073), (75, 15097), (87, 15202), (102, 15274), (108, 15424), (112, 15529), (113, 15532),

Gene: Saskia_23 Start: 15633, Stop: 16247, Start Num: 22
Candidate Starts for Saskia_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: SaturnRing_22 Start: 13992, Stop: 14576, Start Num: 21
Candidate Starts for SaturnRing_22:
(14, 13953), (Start: 21 @13992 has 322 MA's), (Start: 25 @14013 has 1 MA's), (Start: 27 @14016 has 1 MA's), (30, 14037), (32, 14052), (48, 14163), (51, 14235), (75, 14391), (81, 14442), (84, 14472), (87, 14496),

Gene: Scamp_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Scamp_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Scherzo_24 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Scherzo_24:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: Scorpia_20 Start: 13320, Stop: 14150, Start Num: 2
Candidate Starts for Scorpia_20:
(Start: 2 @13320 has 76 MA's), (5, 13449), (11, 13503), (Start: 22 @13581 has 500 MA's), (23, 13587), (28, 13614), (33, 13647), (34, 13653), (35, 13659), (41, 13686), (48, 13746), (56, 13851), (64, 13923), (65, 13932), (74, 13971), (76, 13980), (91, 14100),

Gene: Scout_22 Start: 13292, Stop: 13876, Start Num: 21
Candidate Starts for Scout_22:

(14, 13253), (Start: 21 @13292 has 322 MA's), (Start: 25 @13313 has 1 MA's), (Start: 27 @13316 has 1 MA's), (30, 13337), (32, 13352), (48, 13463), (51, 13535), (75, 13691), (81, 13742), (84, 13772), (87, 13796),

Gene: Scowl_22 Start: 15095, Stop: 15943, Start Num: 22
Candidate Starts for Scowl_22:
(Start: 22 @15095 has 500 MA's), (30, 15140), (54, 15365), (65, 15452), (68, 15470), (75, 15494), (87, 15599), (102, 15671), (108, 15821), (112, 15926), (113, 15929),

Gene: Seabiscuit_23 Start: 14630, Stop: 15478, Start Num: 22
Candidate Starts for Seabiscuit_23:
(Start: 22 @14630 has 500 MA's), (30, 14675), (54, 14900), (65, 14987), (68, 15005), (75, 15029), (102, 15206), (108, 15356), (112, 15461), (113, 15464),

Gene: Seanderson_22 Start: 15065, Stop: 15916, Start Num: 22
Candidate Starts for Seanderson_22:
(Start: 22 @15065 has 500 MA's), (30, 15110), (54, 15335), (65, 15422), (68, 15440), (75, 15464), (87, 15569), (104, 15656), (105, 15704),

Gene: SemperFi_25 Start: 15451, Stop: 16032, Start Num: 22
Candidate Starts for SemperFi_25:
(Start: 22 @15451 has 500 MA's), (Start: 27 @15475 has 1 MA's), (30, 15496), (36, 15538), (47, 15601), (54, 15724), (64, 15802), (65, 15811), (75, 15850), (87, 15955), (99, 16015),

Gene: SenorClean_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for SenorClean_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Serenity_22 Start: 14023, Stop: 14619, Start Num: 22
Candidate Starts for Serenity_22:
(Start: 22 @14023 has 500 MA's), (Start: 25 @14044 has 1 MA's), (Start: 27 @14047 has 1 MA's), (30, 14068), (36, 14110), (54, 14296), (64, 14374), (65, 14383), (72, 14413), (75, 14422), (77, 14440), (101, 14596),

Gene: Severus_21 Start: 12293, Stop: 12889, Start Num: 21
Candidate Starts for Severus_21:
(Start: 21 @12293 has 322 MA's), (Start: 25 @12314 has 1 MA's), (Start: 27 @12317 has 1 MA's), (32, 12353), (48, 12470), (75, 12698), (76, 12704), (84, 12779),

Gene: Shaka_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Shaka_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Sham4_23 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Sham4_23:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: Shapes_25 Start: 14264, Stop: 14860, Start Num: 21
Candidate Starts for Shapes_25:

(14, 14225), (Start: 21 @14264 has 322 MA's), (Start: 25 @14285 has 1 MA's), (Start: 27 @14288 has 1 MA's), (32, 14324), (48, 14441), (63, 14609), (76, 14675), (79, 14693), (84, 14750),

Gene: ShayRa_26 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for ShayRa_26:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: SheaKeira_23 Start: 14062, Stop: 14658, Start Num: 22
Candidate Starts for SheaKeira_23:
(Start: 22 @14062 has 500 MA's), (Start: 27 @14086 has 1 MA's), (30, 14107), (57, 14347), (75, 14467), (76, 14473),

Gene: Sheen_24 Start: 16124, Stop: 16708, Start Num: 22
Candidate Starts for Sheen_24:
(Start: 22 @16124 has 500 MA's), (Start: 25 @16145 has 1 MA's), (Start: 27 @16148 has 1 MA's), (30, 16169), (32, 16184), (48, 16295), (52, 16370), (84, 16604),

Gene: SheldonCooper_23 Start: 14701, Stop: 15291, Start Num: 21
Candidate Starts for SheldonCooper_23:
(Start: 21 @14701 has 322 MA's), (Start: 25 @14722 has 1 MA's), (Start: 27 @14725 has 1 MA's), (48, 14872), (74, 15097), (81, 15151), (84, 15181),

Gene: Shep_22 Start: 13247, Stop: 13831, Start Num: 21
Candidate Starts for Shep_22:
(14, 13208), (Start: 21 @13247 has 322 MA's), (Start: 25 @13268 has 1 MA's), (Start: 27 @13271 has 1 MA's), (30, 13292), (32, 13307), (48, 13418), (51, 13490), (75, 13646), (81, 13697), (84, 13727), (87, 13751),

Gene: ShortQueendom_21 Start: 14504, Stop: 15355, Start Num: 22
Candidate Starts for ShortQueendom_21:
(Start: 22 @14504 has 500 MA's), (30, 14549), (54, 14774), (65, 14861), (68, 14879), (75, 14903), (87, 15008), (104, 15095), (105, 15143),

Gene: Shuman_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Shuman_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Shygu2_22 Start: 14391, Stop: 14978, Start Num: 21
Candidate Starts for Shygu2_22:
(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (32, 14451), (48, 14568), (77, 14814), (81, 14847), (84, 14877),

Gene: Sibs6_23 Start: 15141, Stop: 15992, Start Num: 22
Candidate Starts for Sibs6_23:
(Start: 22 @15141 has 500 MA's), (30, 15186), (54, 15411), (65, 15498), (68, 15516), (75, 15540), (87, 15645), (104, 15732), (105, 15780),

Gene: Skadoosh_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Skadoosh_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: SkiPole_23 Start: 14718, Stop: 15566, Start Num: 22
Candidate Starts for SkiPole_23:
(Start: 22 @14718 has 500 MA's), (30, 14763), (54, 14988), (65, 15075), (68, 15093), (75, 15117), (102, 15294), (108, 15444), (112, 15549), (113, 15552),

Gene: Skipitt_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Skipitt_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Sknot_23 Start: 15150, Stop: 15740, Start Num: 22
Candidate Starts for Sknot_23:
(Start: 22 @15150 has 500 MA's), (Start: 27 @15174 has 1 MA's), (30, 15195), (54, 15426), (64, 15504), (65, 15513), (77, 15570), (87, 15657), (99, 15717),

Gene: Slagathor_22 Start: 14493, Stop: 15344, Start Num: 22
Candidate Starts for Slagathor_22:
(Start: 22 @14493 has 500 MA's), (30, 14538), (54, 14763), (65, 14850), (68, 14868), (75, 14892), (87, 14997), (104, 15084), (105, 15132),

Gene: Smairt_22 Start: 15324, Stop: 16175, Start Num: 22
Candidate Starts for Smairt_22:
(Start: 22 @15324 has 500 MA's), (30, 15369), (54, 15594), (65, 15681), (68, 15699), (75, 15723), (87, 15828), (104, 15915), (105, 15963),

Gene: Smeadley_19 Start: 13036, Stop: 13638, Start Num: 21
Candidate Starts for Smeadley_19:
(Start: 18 @13030 has 1 MA's), (Start: 21 @13036 has 322 MA's), (48, 13210), (49, 13246), (51, 13282), (54, 13312), (65, 13399), (67, 13414), (75, 13441), (81, 13492), (84, 13522),

Gene: Smeagan_25 Start: 15591, Stop: 16181, Start Num: 22
Candidate Starts for Smeagan_25:
(Start: 22 @15591 has 500 MA's), (Start: 27 @15615 has 1 MA's), (30, 15636), (49, 15804), (54, 15867), (57, 15876), (64, 15945), (65, 15954), (72, 15984), (77, 16011), (81, 16044), (87, 16098),

Gene: Smeagol_23 Start: 15913, Stop: 16764, Start Num: 22
Candidate Starts for Smeagol_23:
(Start: 22 @15913 has 500 MA's), (54, 16183), (65, 16270), (68, 16288), (75, 16312), (87, 16417), (104, 16504),

Gene: SmellyB_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for SmellyB_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: SnapTap_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for SnapTap_23:
(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (87, 15528), (99, 15588),

Gene: Snape_23 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Snape_23:

(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: Snazzy_19 Start: 14013, Stop: 14864, Start Num: 22
Candidate Starts for Snazzy_19:
(Start: 22 @14013 has 500 MA's), (30, 14058), (54, 14283), (65, 14370), (68, 14388), (75, 14412), (87, 14517), (104, 14604), (105, 14652),

Gene: Snickers_24 Start: 14447, Stop: 15043, Start Num: 21
Candidate Starts for Snickers_24:
(Start: 21 @14447 has 322 MA's), (Start: 27 @14471 has 1 MA's), (30, 14492), (32, 14507), (48, 14618), (64, 14795), (76, 14855), (81, 14900),

Gene: SoYo_24 Start: 14384, Stop: 14980, Start Num: 21
Candidate Starts for SoYo_24:
(Start: 21 @14384 has 322 MA's), (Start: 27 @14408 has 1 MA's), (30, 14429), (32, 14444), (48, 14555), (64, 14732), (76, 14792), (81, 14837),

Gene: SoilDragon_24 Start: 14156, Stop: 14752, Start Num: 21
Candidate Starts for SoilDragon_24:
(Start: 21 @14156 has 322 MA's), (Start: 27 @14180 has 1 MA's), (30, 14201), (32, 14216), (48, 14327), (64, 14504), (75, 14558), (76, 14564), (81, 14609),

Gene: Solon_21 Start: 15176, Stop: 16027, Start Num: 22
Candidate Starts for Solon_21:
(Start: 22 @15176 has 500 MA's), (30, 15221), (54, 15446), (65, 15533), (68, 15551), (75, 15575), (87, 15680), (104, 15767), (105, 15815),

Gene: SororFago_22 Start: 14230, Stop: 14817, Start Num: 19
Candidate Starts for SororFago_22:
(7, 14125), (Start: 19 @14230 has 3 MA's), (Start: 27 @14254 has 1 MA's), (30, 14275), (54, 14506), (65, 14593), (75, 14632), (87, 14737), (99, 14797),

Gene: Sorpresa_21 Start: 14544, Stop: 15395, Start Num: 22
Candidate Starts for Sorpresa_21:
(Start: 22 @14544 has 500 MA's), (30, 14589), (54, 14814), (65, 14901), (68, 14919), (75, 14943), (87, 15048), (104, 15135), (105, 15183),

Gene: Soshari_26 Start: 14556, Stop: 15152, Start Num: 21
Candidate Starts for Soshari_26:
(Start: 21 @14556 has 322 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (48, 14727), (64, 14904), (76, 14964), (81, 15009),

Gene: Soups_25 Start: 14354, Stop: 14956, Start Num: 21
Candidate Starts for Soups_25:
(Start: 21 @14354 has 322 MA's), (Start: 25 @14375 has 1 MA's), (28, 14390), (30, 14399), (48, 14528), (49, 14564),

Gene: Sparxx_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for Sparxx_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Speedwell_20 Start: 11882, Stop: 12448, Start Num: 22
Candidate Starts for Speedwell_20:
(Start: 22 @11882 has 500 MA's), (54, 12116), (70, 12230), (76, 12254), (88, 12362), (90, 12371),

Gene: Spike509_24 Start: 14557, Stop: 15153, Start Num: 21
Candidate Starts for Spike509_24:
(Start: 21 @14557 has 322 MA's), (Start: 27 @14581 has 1 MA's), (30, 14602), (32, 14617), (48, 14728), (64, 14905), (76, 14965), (81, 15010),

Gene: SpikeBT_23 Start: 15480, Stop: 16331, Start Num: 22
Candidate Starts for SpikeBT_23:
(Start: 22 @15480 has 500 MA's), (30, 15525), (54, 15750), (65, 15837), (68, 15855), (75, 15879), (87, 15984), (104, 16071), (105, 16119),

Gene: Spino_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Spino_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Spouty_24 Start: 15930, Stop: 16526, Start Num: 22
Candidate Starts for Spouty_24:
(Start: 22 @15930 has 500 MA's), (Start: 27 @15954 has 1 MA's), (30, 15975), (31, 15981), (65, 16293), (75, 16335), (81, 16386), (94, 16473), (99, 16500), (101, 16509),

Gene: Squee_22 Start: 15314, Stop: 16165, Start Num: 22
Candidate Starts for Squee_22:
(Start: 22 @15314 has 500 MA's), (30, 15359), (54, 15584), (65, 15671), (68, 15689), (75, 15713), (87, 15818), (104, 15905), (105, 15953),

Gene: StCroix_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for StCroix_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Stagni_24 Start: 14475, Stop: 15071, Start Num: 21
Candidate Starts for Stagni_24:
(Start: 21 @14475 has 322 MA's), (Start: 27 @14499 has 1 MA's), (30, 14520), (32, 14535), (48, 14646), (64, 14823), (76, 14883), (81, 14928),

Gene: StarStuff_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for StarStuff_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: Stasia_23 Start: 14829, Stop: 15422, Start Num: 21
Candidate Starts for Stasia_23:
(Start: 21 @14829 has 322 MA's), (Start: 25 @14850 has 1 MA's), (Start: 27 @14853 has 1 MA's), (32, 14889), (48, 15006), (63, 15174), (81, 15285), (84, 15315),

Gene: SteMason_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for SteMason_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Steamy_24 Start: 15670, Stop: 16260, Start Num: 22
Candidate Starts for Steamy_24:
(Start: 22 @15670 has 500 MA's), (Start: 27 @15694 has 1 MA's), (87, 16177), (101, 16246),

Gene: StepMih_24 Start: 14466, Stop: 15062, Start Num: 21
Candidate Starts for StepMih_24:
(Start: 21 @14466 has 322 MA's), (Start: 27 @14490 has 1 MA's), (30, 14511), (32, 14526), (48, 14637), (64, 14814), (76, 14874), (81, 14919),

Gene: Stephig9_19 Start: 13017, Stop: 13619, Start Num: 21
Candidate Starts for Stephig9_19:
(Start: 18 @13011 has 1 MA's), (Start: 21 @13017 has 322 MA's), (48, 13191), (49, 13227), (51, 13263), (54, 13293), (65, 13380), (67, 13395), (75, 13422), (81, 13473), (84, 13503),

Gene: StewieG_20 Start: 14388, Stop: 15239, Start Num: 22
Candidate Starts for StewieG_20:
(Start: 22 @14388 has 500 MA's), (30, 14433), (54, 14658), (65, 14745), (68, 14763), (75, 14787), (87, 14892), (104, 14979), (105, 15027),

Gene: Stink_23 Start: 14679, Stop: 15266, Start Num: 21
Candidate Starts for Stink_23:
(Start: 21 @14679 has 322 MA's), (Start: 25 @14700 has 1 MA's), (Start: 27 @14703 has 1 MA's), (32, 14739), (48, 14856), (77, 15102), (81, 15135), (84, 15165),

Gene: StrongArm_20 Start: 15565, Stop: 16416, Start Num: 22
Candidate Starts for StrongArm_20:
(Start: 22 @15565 has 500 MA's), (30, 15610), (54, 15835), (65, 15922), (68, 15940), (75, 15964), (87, 16069), (104, 16156), (105, 16204),

Gene: Strosahl_25 Start: 14193, Stop: 14795, Start Num: 21
Candidate Starts for Strosahl_25:
(Start: 21 @14193 has 322 MA's), (Start: 25 @14214 has 1 MA's), (28, 14229), (30, 14238), (48, 14367), (49, 14403),

Gene: Sudan_15 Start: 10146, Stop: 10709, Start Num: 22
Candidate Starts for Sudan_15:
(Start: 22 @10146 has 500 MA's), (54, 10380), (76, 10518), (90, 10635),

Gene: Sultana_22 Start: 14389, Stop: 14979, Start Num: 21
Candidate Starts for Sultana_22:
(Start: 21 @14389 has 322 MA's), (Start: 25 @14410 has 1 MA's), (Start: 27 @14413 has 1 MA's), (48, 14560), (74, 14785), (81, 14839), (84, 14869),

Gene: Sumter_20 Start: 14135, Stop: 14986, Start Num: 22
Candidate Starts for Sumter_20:
(Start: 22 @14135 has 500 MA's), (30, 14180), (54, 14405), (65, 14492), (68, 14510), (75, 14534), (87, 14639), (104, 14726), (105, 14774),

Gene: Sunhee_22 Start: 14286, Stop: 14870, Start Num: 22
Candidate Starts for Sunhee_22:
(Start: 22 @14286 has 500 MA's), (Start: 27 @14310 has 1 MA's), (30, 14331), (45, 14427), (75, 14688), (76, 14694), (87, 14793),

Gene: Sunshine924_20 Start: 14119, Stop: 14970, Start Num: 22
Candidate Starts for Sunshine924_20:
(Start: 22 @14119 has 500 MA's), (30, 14164), (54, 14389), (65, 14476), (68, 14494), (75, 14518), (87, 14623), (104, 14710), (105, 14758),

Gene: SuperAwesome_26 Start: 15200, Stop: 15802, Start Num: 22
Candidate Starts for SuperAwesome_26:
(Start: 22 @15200 has 500 MA's), (Start: 27 @15224 has 1 MA's), (48, 15377), (65, 15563), (74, 15599), (76, 15608), (77, 15620), (83, 15677),

Gene: SuperCallie99_26 Start: 15199, Stop: 15801, Start Num: 22
Candidate Starts for SuperCallie99_26:
(Start: 22 @15199 has 500 MA's), (Start: 27 @15223 has 1 MA's), (48, 15376), (65, 15562), (74, 15598), (76, 15607), (77, 15619), (83, 15676),

Gene: Superchunk_22 Start: 13739, Stop: 14335, Start Num: 22
Candidate Starts for Superchunk_22:
(Start: 22 @13739 has 500 MA's), (Start: 25 @13760 has 1 MA's), (Start: 27 @13763 has 1 MA's), (30, 13784), (54, 14012), (64, 14090), (65, 14099), (72, 14129), (74, 14135), (77, 14156), (87, 14243),

Gene: Swann_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for Swann_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: SweetiePie_23 Start: 15024, Stop: 15614, Start Num: 22
Candidate Starts for SweetiePie_23:
(Start: 22 @15024 has 500 MA's), (Start: 27 @15048 has 1 MA's), (30, 15069), (47, 15174), (54, 15297), (64, 15375), (65, 15384), (75, 15423), (87, 15528), (99, 15588),

Gene: SwirlSquare_24 Start: 13913, Stop: 14509, Start Num: 22
Candidate Starts for SwirlSquare_24:
(Start: 22 @13913 has 500 MA's), (Start: 27 @13937 has 1 MA's), (30, 13958), (44, 14045), (54, 14186), (64, 14264), (65, 14273), (72, 14303), (74, 14309), (77, 14330), (87, 14417),

Gene: Swirley_19 Start: 13478, Stop: 14305, Start Num: 2
Candidate Starts for Swirley_19:
(Start: 2 @13478 has 76 MA's), (5, 13607), (Start: 22 @13739 has 500 MA's), (23, 13745), (29, 13778), (34, 13811), (41, 13841), (48, 13901), (56, 14006), (64, 14078), (76, 14135), (91, 14255),

Gene: SwissCheese_21 Start: 14580, Stop: 15431, Start Num: 22
Candidate Starts for SwissCheese_21:
(Start: 22 @14580 has 500 MA's), (30, 14625), (54, 14850), (65, 14937), (68, 14955), (75, 14979), (87, 15084), (104, 15171), (105, 15219),

Gene: Switzer_22 Start: 14736, Stop: 15584, Start Num: 22
Candidate Starts for Switzer_22:
(Start: 22 @14736 has 500 MA's), (30, 14781), (54, 15006), (65, 15093), (68, 15111), (75, 15135), (102, 15312), (108, 15462), (112, 15567), (113, 15570),

Gene: Switzerland_25 Start: 14347, Stop: 14949, Start Num: 21
Candidate Starts for Switzerland_25:

(Start: 21 @14347 has 322 MA's), (Start: 25 @14368 has 1 MA's), (28, 14383), (30, 14392), (48, 14521), (49, 14557),

Gene: Swole_23 Start: 15046, Stop: 15897, Start Num: 22
Candidate Starts for Swole_23:
(Start: 22 @15046 has 500 MA's), (30, 15091), (54, 15316), (65, 15403), (68, 15421), (75, 15445), (87, 15550), (104, 15637),

Gene: SydNat_19 Start: 13583, Stop: 14443, Start Num: 2
Candidate Starts for SydNat_19:
(Start: 2 @13583 has 76 MA's), (5, 13712), (12, 13799), (Start: 22 @13853 has 500 MA's), (29, 13892), (34, 13931), (41, 13979), (47, 14015), (48, 14039), (56, 14144), (64, 14216), (83, 14342), (91, 14393),

Gene: TNguyen7_22 Start: 13962, Stop: 14546, Start Num: 21
Candidate Starts for TNguyen7_22:
(14, 13923), (Start: 21 @13962 has 322 MA's), (Start: 25 @13983 has 1 MA's), (Start: 27 @13986 has 1 MA's), (30, 14007), (32, 14022), (48, 14133), (51, 14205), (75, 14361), (81, 14412), (84, 14442),

Gene: TWAMP_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for TWAMP_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Tailonex_19 Start: 13567, Stop: 14118, Start Num: 22
Candidate Starts for Tailonex_19:
(Start: 22 @13567 has 500 MA's), (38, 13666), (53, 13816),

Gene: Takoda_18 Start: 10338, Stop: 11195, Start Num: 2
Candidate Starts for Takoda_18:
(1, 10275), (Start: 2 @10338 has 76 MA's), (28, 10644), (54, 10890), (56, 10896), (63, 10959), (65, 10977), (72, 11013), (74, 11019), (87, 11127),

Gene: Taquarus_22 Start: 14391, Stop: 14981, Start Num: 21
Candidate Starts for Taquarus_22:
(Start: 21 @14391 has 322 MA's), (Start: 25 @14412 has 1 MA's), (Start: 27 @14415 has 1 MA's), (48, 14562), (74, 14787), (81, 14841), (84, 14871),

Gene: Target_23 Start: 15387, Stop: 16238, Start Num: 22
Candidate Starts for Target_23:
(Start: 22 @15387 has 500 MA's), (30, 15432), (54, 15657), (65, 15744), (68, 15762), (75, 15786), (87, 15891), (104, 15978), (105, 16026),

Gene: TarsusIV_23 Start: 15124, Stop: 15717, Start Num: 22
Candidate Starts for TarsusIV_23:
(Start: 22 @15124 has 500 MA's), (Start: 27 @15148 has 1 MA's), (30, 15169), (31, 15175), (54, 15400), (65, 15487), (72, 15517), (75, 15526), (77, 15544), (81, 15577), (87, 15631), (99, 15691),

Gene: Tarynearal_18 Start: 13505, Stop: 14332, Start Num: 2
Candidate Starts for Tarynearal_18:
(Start: 2 @13505 has 76 MA's), (5, 13634), (Start: 22 @13766 has 500 MA's), (23, 13772), (29, 13805), (34, 13838), (41, 13868), (48, 13928), (56, 14033), (64, 14105), (76, 14162), (91, 14282),

Gene: Tasp14_22 Start: 14825, Stop: 15673, Start Num: 22

Candidate Starts for Tasp14_22:
(Start: 22 @14825 has 500 MA's), (30, 14870), (54, 15095), (65, 15182), (68, 15200), (75, 15224), (102, 15401), (108, 15551), (112, 15656), (113, 15659),

Gene: Taurus_24 Start: 14471, Stop: 15067, Start Num: 21
Candidate Starts for Taurus_24:
(Start: 21 @14471 has 322 MA's), (Start: 27 @14495 has 1 MA's), (30, 14516), (32, 14531), (48, 14642), (64, 14819), (76, 14879), (81, 14924),

Gene: Temprado_26 Start: 15205, Stop: 15807, Start Num: 22
Candidate Starts for Temprado_26:
(Start: 22 @15205 has 500 MA's), (Start: 27 @15229 has 1 MA's), (47, 15358), (48, 15382), (65, 15568), (74, 15604), (76, 15613), (77, 15625), (83, 15682),

Gene: Teodoridan_19 Start: 13952, Stop: 14803, Start Num: 22
Candidate Starts for Teodoridan_19:
(Start: 22 @13952 has 500 MA's), (30, 13997), (54, 14222), (65, 14309), (68, 14327), (75, 14351), (87, 14456), (104, 14543), (105, 14591),

Gene: Terrific_25 Start: 15604, Stop: 16194, Start Num: 22
Candidate Starts for Terrific_25:
(Start: 22 @15604 has 500 MA's), (Start: 27 @15628 has 1 MA's), (30, 15649), (54, 15880), (64, 15958), (65, 15967), (77, 16024), (87, 16111), (99, 16171),

Gene: Texage_22 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Texage_22:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Thanksgivukkah_22 Start: 14392, Stop: 14982, Start Num: 21
Candidate Starts for Thanksgivukkah_22:
(Start: 21 @14392 has 322 MA's), (Start: 25 @14413 has 1 MA's), (Start: 27 @14416 has 1 MA's), (48, 14563), (74, 14788), (81, 14842), (84, 14872),

Gene: Theia_17 Start: 13444, Stop: 14271, Start Num: 2
Candidate Starts for Theia_17:
(Start: 2 @13444 has 76 MA's), (5, 13573), (Start: 22 @13705 has 500 MA's), (23, 13711), (29, 13744), (34, 13777), (41, 13807), (48, 13867), (56, 13972), (64, 14044), (76, 14101), (91, 14221),

Gene: TheloniousMonk_23 Start: 15860, Stop: 16711, Start Num: 22
Candidate Starts for TheloniousMonk_23:
(Start: 22 @15860 has 500 MA's), (30, 15905), (54, 16130), (65, 16217), (68, 16235), (75, 16259), (87, 16364), (104, 16451), (105, 16499),

Gene: Thor_21 Start: 14698, Stop: 15546, Start Num: 22
Candidate Starts for Thor_21:
(Start: 22 @14698 has 500 MA's), (30, 14743), (54, 14968), (65, 15055), (68, 15073), (75, 15097), (87, 15202), (102, 15274), (108, 15424), (112, 15529), (113, 15532),

Gene: Tiffany_24 Start: 14367, Stop: 14963, Start Num: 21
Candidate Starts for Tiffany_24:
(Start: 21 @14367 has 322 MA's), (Start: 27 @14391 has 1 MA's), (30, 14412), (32, 14427), (48, 14538), (64, 14715), (76, 14775), (81, 14820),

Gene: Tiger_19 Start: 13332, Stop: 14159, Start Num: 2
Candidate Starts for Tiger_19:
(Start: 2 @13332 has 76 MA's), (5, 13461), (Start: 22 @13593 has 500 MA's), (23, 13599), (29, 13632), (34, 13665), (41, 13695), (48, 13755), (56, 13860), (64, 13932), (76, 13989), (91, 14109),

Gene: Timothy_23 Start: 15633, Stop: 16247, Start Num: 22
Candidate Starts for Timothy_23:
(Start: 22 @15633 has 500 MA's), (23, 15639), (30, 15678), (39, 15738), (49, 15846), (54, 15909), (56, 15915), (64, 15987), (81, 16086),

Gene: Timshel_23 Start: 16007, Stop: 16594, Start Num: 22
Candidate Starts for Timshel_23:
(Start: 22 @16007 has 500 MA's), (Start: 25 @16028 has 1 MA's), (Start: 27 @16031 has 1 MA's), (48, 16184), (52, 16259), (74, 16409), (84, 16493),

Gene: TinaFeyge_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for TinaFeyge_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: TinyPebbles_24 Start: 14556, Stop: 15152, Start Num: 21
Candidate Starts for TinyPebbles_24:
(Start: 21 @14556 has 322 MA's), (Start: 27 @14580 has 1 MA's), (30, 14601), (32, 14616), (48, 14727), (64, 14904), (76, 14964), (81, 15009),

Gene: TinyTimmy_23 Start: 15676, Stop: 16290, Start Num: 22
Candidate Starts for TinyTimmy_23:
(Start: 22 @15676 has 500 MA's), (23, 15682), (30, 15721), (39, 15781), (49, 15889), (54, 15952), (56, 15958), (64, 16030), (81, 16129),

Gene: Tinybot_21 Start: 14366, Stop: 14956, Start Num: 21
Candidate Starts for Tinybot_21:
(Start: 21 @14366 has 322 MA's), (Start: 25 @14387 has 1 MA's), (Start: 27 @14390 has 1 MA's), (48, 14537), (74, 14762), (81, 14816), (84, 14846),

Gene: TipsytheTRex_22 Start: 14188, Stop: 14784, Start Num: 22
Candidate Starts for TipsytheTRex_22:
(Start: 22 @14188 has 500 MA's), (Start: 25 @14209 has 1 MA's), (Start: 27 @14212 has 1 MA's), (30, 14233), (36, 14275), (54, 14461), (64, 14539), (65, 14548), (72, 14578), (75, 14587), (77, 14605), (101, 14761),

Gene: TiroTheta9_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for TiroTheta9_22:
(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Toaka_22 Start: 14253, Stop: 14849, Start Num: 22
Candidate Starts for Toaka_22:
(Start: 22 @14253 has 500 MA's), (Start: 27 @14277 has 1 MA's), (30, 14298), (72, 14649), (75, 14658), (76, 14664), (81, 14709), (99, 14823), (101, 14832),

Gene: Todacoro_23 Start: 14531, Stop: 15130, Start Num: 21

Candidate Starts for Todacoro_23:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Tomathan_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for Tomathan_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: ToneTone_24 Start: 15123, Stop: 15725, Start Num: 22
Candidate Starts for ToneTone_24:
(Start: 22 @15123 has 500 MA's), (Start: 27 @15147 has 1 MA's), (47, 15276), (48, 15300), (49, 15336), (65, 15486), (74, 15522), (76, 15531), (77, 15543), (83, 15600),

Gene: Topanga_22 Start: 14336, Stop: 14932, Start Num: 21
Candidate Starts for Topanga_22:
(14, 14297), (Start: 21 @14336 has 322 MA's), (Start: 25 @14357 has 1 MA's), (Start: 27 @14360 has 1 MA's), (32, 14396), (48, 14513), (74, 14738), (76, 14747), (81, 14792), (84, 14822),

Gene: Topgun_21 Start: 14300, Stop: 15151, Start Num: 22
Candidate Starts for Topgun_21:
(Start: 22 @14300 has 500 MA's), (30, 14345), (54, 14570), (65, 14657), (68, 14675), (75, 14699), (87, 14804), (104, 14891), (105, 14939),

Gene: Toro_25 Start: 16066, Stop: 16650, Start Num: 22
Candidate Starts for Toro_25:
(Start: 22 @16066 has 500 MA's), (Start: 25 @16087 has 1 MA's), (Start: 27 @16090 has 1 MA's), (30, 16111), (32, 16126), (48, 16237), (52, 16312), (84, 16546),

Gene: Tote_23 Start: 15046, Stop: 15897, Start Num: 22
Candidate Starts for Tote_23:
(Start: 22 @15046 has 500 MA's), (30, 15091), (54, 15316), (65, 15403), (68, 15421), (75, 15445), (87, 15550), (104, 15637),

Gene: Traft412_23 Start: 15527, Stop: 16378, Start Num: 22
Candidate Starts for Traft412_23:
(Start: 22 @15527 has 500 MA's), (30, 15572), (54, 15797), (65, 15884), (68, 15902), (75, 15926), (87, 16031), (104, 16118), (105, 16166),

Gene: Travvers_26 Start: 14985, Stop: 15581, Start Num: 22
Candidate Starts for Travvers_26:
(Start: 22 @14985 has 500 MA's), (Start: 27 @15009 has 1 MA's), (30, 15030), (55, 15261), (64, 15336), (65, 15345), (75, 15384), (77, 15402),

Gene: Treddle_23 Start: 15840, Stop: 16691, Start Num: 22
Candidate Starts for Treddle_23:
(Start: 22 @15840 has 500 MA's), (30, 15885), (54, 16110), (65, 16197), (68, 16215), (73, 16233), (75, 16239), (87, 16344), (104, 16431), (105, 16479),

Gene: Trike_20 Start: 12301, Stop: 12897, Start Num: 21
Candidate Starts for Trike_20:
(Start: 21 @12301 has 322 MA's), (Start: 25 @12322 has 1 MA's), (Start: 27 @12325 has 1 MA's), (32, 12361), (48, 12478), (75, 12706), (76, 12712), (84, 12787),

Gene: Tripl3t_22 Start: 15525, Stop: 16376, Start Num: 22
Candidate Starts for Tripl3t_22:
(Start: 22 @15525 has 500 MA's), (30, 15570), (54, 15795), (65, 15882), (68, 15900), (75, 15924), (87, 16029), (104, 16116), (105, 16164),

Gene: Tristan_24 Start: 16870, Stop: 17460, Start Num: 20
Candidate Starts for Tristan_24:
(Start: 20 @16870 has 5 MA's), (Start: 27 @16894 has 1 MA's), (54, 17143), (56, 17149), (65, 17230), (75, 17269), (77, 17287), (81, 17320), (87, 17374), (99, 17434),

Gene: Trixie_26 Start: 16751, Stop: 17341, Start Num: 22
Candidate Starts for Trixie_26:
(Start: 22 @16751 has 500 MA's), (Start: 27 @16775 has 1 MA's), (30, 16796), (54, 17024), (64, 17102), (65, 17111), (77, 17168), (87, 17255),

Gene: Trooper_23 Start: 14931, Stop: 15512, Start Num: 22
Candidate Starts for Trooper_23:
(Start: 22 @14931 has 500 MA's), (Start: 27 @14955 has 1 MA's), (30, 14976), (36, 15018), (54, 15204), (64, 15282), (65, 15291), (75, 15330), (77, 15348), (87, 15435), (99, 15495),

Gene: Trouble_21 Start: 14886, Stop: 15737, Start Num: 22
Candidate Starts for Trouble_21:
(Start: 22 @14886 has 500 MA's), (30, 14931), (54, 15156), (65, 15243), (68, 15261), (75, 15285), (87, 15390), (104, 15477), (105, 15525),

Gene: TroyPia_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for TroyPia_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Tubs_24 Start: 15900, Stop: 16496, Start Num: 22
Candidate Starts for Tubs_24:
(Start: 22 @15900 has 500 MA's), (Start: 27 @15924 has 1 MA's), (30, 15945), (65, 16263), (81, 16356), (99, 16470), (101, 16479),

Gene: Tucker_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for Tucker_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (47, 15362), (48, 15386), (49, 15422), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: Turbido_25 Start: 15594, Stop: 16184, Start Num: 22
Candidate Starts for Turbido_25:
(3, 15381), (Start: 22 @15594 has 500 MA's), (Start: 27 @15618 has 1 MA's), (30, 15639), (49, 15807), (54, 15870), (57, 15879), (64, 15948), (65, 15957), (72, 15987), (77, 16014), (87, 16101),

Gene: Turj99_20 Start: 14324, Stop: 15175, Start Num: 22
Candidate Starts for Turj99_20:
(Start: 22 @14324 has 500 MA's), (30, 14369), (54, 14594), (65, 14681), (68, 14699), (75, 14723), (87, 14828), (104, 14915),

Gene: Twigg_19 Start: 13477, Stop: 14304, Start Num: 2
Candidate Starts for Twigg_19:

(Start: 2 @13477 has 76 MA's), (5, 13606), (Start: 22 @13738 has 500 MA's), (23, 13744), (29, 13777), (34, 13810), (41, 13840), (48, 13900), (56, 14005), (64, 14077), (76, 14134), (91, 14254),

Gene: Twister_22 Start: 14235, Stop: 14831, Start Num: 21
Candidate Starts for Twister_22:
(14, 14196), (Start: 21 @14235 has 322 MA's), (Start: 25 @14256 has 1 MA's), (Start: 27 @14259 has 1 MA's), (32, 14295), (48, 14412), (74, 14637), (76, 14646), (81, 14691), (84, 14721),

Gene: TwoPeat_22 Start: 14839, Stop: 15690, Start Num: 22
Candidate Starts for TwoPeat_22:
(Start: 22 @14839 has 500 MA's), (30, 14884), (54, 15109), (65, 15196), (68, 15214), (75, 15238), (87, 15343), (104, 15430), (105, 15478),

Gene: TygerBlood_22 Start: 14387, Stop: 14977, Start Num: 21
Candidate Starts for TygerBlood_22:
(Start: 21 @14387 has 322 MA's), (Start: 25 @14408 has 1 MA's), (Start: 27 @14411 has 1 MA's), (48, 14558), (74, 14783), (81, 14837), (84, 14867),

Gene: U2_21 Start: 14742, Stop: 15590, Start Num: 22
Candidate Starts for U2_21:
(Start: 22 @14742 has 500 MA's), (30, 14787), (54, 15012), (65, 15099), (68, 15117), (75, 15141), (102, 15318), (108, 15468), (112, 15573), (113, 15576),

Gene: Ugenie5_21 Start: 15933, Stop: 16529, Start Num: 22
Candidate Starts for Ugenie5_21:
(Start: 22 @15933 has 500 MA's), (Start: 27 @15957 has 1 MA's), (30, 15978), (36, 16020), (65, 16296), (75, 16338), (81, 16389), (99, 16503), (101, 16512),

Gene: UhSalsa_18 Start: 10378, Stop: 11235, Start Num: 2
Candidate Starts for UhSalsa_18:
(1, 10315), (Start: 2 @10378 has 76 MA's), (6, 10519), (16, 10630), (28, 10684), (54, 10930), (56, 10936), (63, 10999), (65, 11017), (74, 11059), (87, 11167), (99, 11227),

Gene: Ulysses_21 Start: 14109, Stop: 14699, Start Num: 21
Candidate Starts for Ulysses_21:
(Start: 21 @14109 has 322 MA's), (Start: 25 @14130 has 1 MA's), (Start: 27 @14133 has 1 MA's), (48, 14280), (74, 14505), (81, 14559), (84, 14589),

Gene: UnionJack_19 Start: 13058, Stop: 13888, Start Num: 2
Candidate Starts for UnionJack_19:
(Start: 2 @13058 has 76 MA's), (5, 13187), (11, 13241), (Start: 22 @13319 has 500 MA's), (23, 13325), (34, 13391), (47, 13460), (48, 13484), (56, 13589), (64, 13661), (65, 13670), (73, 13706), (74, 13709), (76, 13718), (90, 13832), (91, 13838),

Gene: Updawg_25 Start: 15592, Stop: 16182, Start Num: 22
Candidate Starts for Updawg_25:
(Start: 22 @15592 has 500 MA's), (Start: 27 @15616 has 1 MA's), (30, 15637), (54, 15868), (64, 15946), (65, 15955), (77, 16012), (87, 16099), (99, 16159),

Gene: VA6_23 Start: 15104, Stop: 15694, Start Num: 22
Candidate Starts for VA6_23:
(Start: 22 @15104 has 500 MA's), (Start: 27 @15128 has 1 MA's), (30, 15149), (45, 15245), (49, 15317), (57, 15389), (59, 15410), (65, 15467), (72, 15497), (75, 15506), (77, 15524), (81, 15557), (87,

15611), (99, 15671),

Gene: VC3_26 Start: 15076, Stop: 15669, Start Num: 22
Candidate Starts for VC3_26:
(Start: 22 @15076 has 500 MA's), (Start: 27 @15100 has 1 MA's), (30, 15121), (43, 15205), (55, 15349), (64, 15424), (65, 15433), (75, 15472), (77, 15490),

Gene: Vanisoa_22 Start: 13983, Stop: 14579, Start Num: 22
Candidate Starts for Vanisoa_22:
(Start: 22 @13983 has 500 MA's), (Start: 27 @14007 has 1 MA's), (30, 14028), (31, 14034), (72, 14379), (75, 14388), (76, 14394), (99, 14553), (101, 14562),

Gene: Vanseggelen_19 Start: 9793, Stop: 10368, Start Num: 22
Candidate Starts for Vanseggelen_19:
(Start: 22 @9793 has 500 MA's), (54, 10027), (76, 10165), (90, 10282),

Gene: Verabelle_16 Start: 10140, Stop: 10703, Start Num: 22
Candidate Starts for Verabelle_16:
(Start: 22 @10140 has 500 MA's), (54, 10374), (71, 10491), (76, 10512), (90, 10629),

Gene: Veracruz_22 Start: 14531, Stop: 15130, Start Num: 21
Candidate Starts for Veracruz_22:
(Start: 21 @14531 has 322 MA's), (Start: 25 @14552 has 1 MA's), (Start: 27 @14555 has 1 MA's), (30, 14576), (32, 14591), (45, 14672), (48, 14708), (51, 14780), (75, 14936), (84, 15017),

Gene: Violet_20 Start: 15131, Stop: 15982, Start Num: 22
Candidate Starts for Violet_20:
(Start: 22 @15131 has 500 MA's), (30, 15176), (54, 15401), (65, 15488), (68, 15506), (75, 15530), (87, 15635), (104, 15722), (105, 15770),

Gene: Vix_24 Start: 14555, Stop: 15151, Start Num: 21
Candidate Starts for Vix_24:
(Start: 21 @14555 has 322 MA's), (Start: 27 @14579 has 1 MA's), (30, 14600), (32, 14615), (48, 14726), (64, 14903), (76, 14963), (81, 15008),

Gene: VohminGhazi_26 Start: 15209, Stop: 15811, Start Num: 22
Candidate Starts for VohminGhazi_26:
(Start: 22 @15209 has 500 MA's), (Start: 27 @15233 has 1 MA's), (48, 15386), (65, 15572), (74, 15608), (76, 15617), (77, 15629), (83, 15686),

Gene: Waits_25 Start: 14199, Stop: 14801, Start Num: 21
Candidate Starts for Waits_25:
(Start: 21 @14199 has 322 MA's), (Start: 25 @14220 has 1 MA's), (28, 14235), (30, 14244), (48, 14373), (49, 14409),

Gene: WalterMcMickey_22 Start: 14235, Stop: 14831, Start Num: 21
Candidate Starts for WalterMcMickey_22:
(14, 14196), (Start: 21 @14235 has 322 MA's), (Start: 25 @14256 has 1 MA's), (Start: 27 @14259 has 1 MA's), (32, 14295), (48, 14412), (74, 14637), (76, 14646), (81, 14691), (84, 14721),

Gene: Wander_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Wander_22:

(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Warrior24_25 Start: 14203, Stop: 14805, Start Num: 21
Candidate Starts for Warrior24_25:
(Start: 21 @14203 has 322 MA's), (Start: 25 @14224 has 1 MA's), (28, 14239), (30, 14248), (48, 14377), (49, 14413),

Gene: Watermelon_23 Start: 15437, Stop: 16288, Start Num: 22
Candidate Starts for Watermelon_23:
(Start: 22 @15437 has 500 MA's), (30, 15482), (54, 15707), (65, 15794), (68, 15812), (75, 15836), (87, 15941), (104, 16028), (105, 16076),

Gene: Watson_24 Start: 14465, Stop: 15061, Start Num: 21
Candidate Starts for Watson_24:
(Start: 21 @14465 has 322 MA's), (Start: 27 @14489 has 1 MA's), (30, 14510), (32, 14525), (48, 14636), (64, 14813), (76, 14873), (81, 14918),

Gene: WeiHuaDA_28 Start: 17358, Stop: 17948, Start Num: 22
Candidate Starts for WeiHuaDA_28:
(Start: 22 @17358 has 500 MA's), (Start: 27 @17382 has 1 MA's), (30, 17403), (54, 17631), (65, 17718), (77, 17775), (87, 17862),

Gene: Whabigail7_25 Start: 15582, Stop: 16172, Start Num: 22
Candidate Starts for Whabigail7_25:
(3, 15369), (Start: 22 @15582 has 500 MA's), (Start: 27 @15606 has 1 MA's), (30, 15627), (49, 15795), (54, 15858), (57, 15867), (64, 15936), (65, 15945), (72, 15975), (77, 16002), (81, 16035), (87, 16089),

Gene: Wheeler_21 Start: 14892, Stop: 15743, Start Num: 22
Candidate Starts for Wheeler_21:
(Start: 22 @14892 has 500 MA's), (30, 14937), (54, 15162), (65, 15249), (68, 15267), (75, 15291), (87, 15396), (104, 15483), (105, 15531),

Gene: Whitspit_22 Start: 15229, Stop: 16080, Start Num: 22
Candidate Starts for Whitspit_22:
(Start: 22 @15229 has 500 MA's), (30, 15274), (54, 15499), (65, 15586), (68, 15604), (75, 15628), (87, 15733), (104, 15820), (105, 15868),

Gene: WideWale_25 Start: 15592, Stop: 16182, Start Num: 22
Candidate Starts for WideWale_25:
(Start: 22 @15592 has 500 MA's), (Start: 27 @15616 has 1 MA's), (30, 15637), (54, 15868), (64, 15946), (65, 15955), (77, 16012), (87, 16099), (99, 16159),

Gene: Wiks_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for Wiks_26:
(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: Wilbur_22 Start: 14388, Stop: 14978, Start Num: 21
Candidate Starts for Wilbur_22:
(Start: 21 @14388 has 322 MA's), (Start: 25 @14409 has 1 MA's), (Start: 27 @14412 has 1 MA's), (48, 14559), (74, 14784), (81, 14838), (84, 14868),

Gene: Wile_22 Start: 14403, Stop: 14990, Start Num: 21
Candidate Starts for Wile_22:
(Start: 21 @14403 has 322 MA's), (Start: 25 @14424 has 1 MA's), (Start: 27 @14427 has 1 MA's), (32, 14463), (48, 14580), (63, 14748), (77, 14826), (81, 14859), (84, 14889),

Gene: Wilkins_21 Start: 14300, Stop: 15151, Start Num: 22
Candidate Starts for Wilkins_21:
(Start: 22 @14300 has 500 MA's), (30, 14345), (54, 14570), (65, 14657), (68, 14675), (75, 14699), (87, 14804), (104, 14891), (105, 14939),

Gene: Wizard007_22 Start: 14390, Stop: 14980, Start Num: 21
Candidate Starts for Wizard007_22:
(Start: 21 @14390 has 322 MA's), (Start: 25 @14411 has 1 MA's), (Start: 27 @14414 has 1 MA's), (48, 14561), (74, 14786), (81, 14840), (84, 14870),

Gene: Wolpertinger_22 Start: 15636, Stop: 16250, Start Num: 22
Candidate Starts for Wolpertinger_22:
(Start: 22 @15636 has 500 MA's), (23, 15642), (30, 15681), (39, 15741), (49, 15849), (54, 15912), (56, 15918), (64, 15990), (81, 16089),

Gene: Wooldri_26 Start: 14384, Stop: 14980, Start Num: 21
Candidate Starts for Wooldri_26:
(Start: 21 @14384 has 322 MA's), (Start: 27 @14408 has 1 MA's), (30, 14429), (32, 14444), (48, 14555), (64, 14732), (76, 14792), (81, 14837),

Gene: WorldCup_21 Start: 13967, Stop: 14563, Start Num: 22
Candidate Starts for WorldCup_21:
(Start: 22 @13967 has 500 MA's), (Start: 27 @13991 has 1 MA's), (30, 14012), (31, 14018), (72, 14363), (75, 14372), (76, 14378), (81, 14423), (99, 14537), (101, 14546),

Gene: WunderPhul_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for WunderPhul_26:
(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: Xena_22 Start: 14390, Stop: 14977, Start Num: 21
Candidate Starts for Xena_22:
(Start: 21 @14390 has 322 MA's), (Start: 25 @14411 has 1 MA's), (Start: 27 @14414 has 1 MA's), (32, 14450), (48, 14567), (63, 14735), (77, 14813), (81, 14846), (84, 14876),

Gene: XianYue_23 Start: 15061, Stop: 15648, Start Num: 22
Candidate Starts for XianYue_23:
(Start: 22 @15061 has 500 MA's), (Start: 27 @15085 has 1 MA's), (30, 15106), (49, 15271), (54, 15334), (64, 15412), (65, 15421), (72, 15451), (77, 15478), (81, 15511), (87, 15565), (101, 15634),

Gene: Yecey3_23 Start: 14015, Stop: 14608, Start Num: 22
Candidate Starts for Yecey3_23:
(Start: 22 @14015 has 500 MA's), (Start: 27 @14039 has 1 MA's), (30, 14060), (31, 14066), (64, 14366), (65, 14375), (99, 14582), (101, 14591),

Gene: YoSam321_22 Start: 14385, Stop: 14975, Start Num: 21
Candidate Starts for YoSam321_22:

(Start: 21 @14385 has 322 MA's), (Start: 25 @14406 has 1 MA's), (Start: 27 @14409 has 1 MA's), (48, 14556), (74, 14781), (81, 14835), (84, 14865),

Gene: Yogi_18 Start: 10346, Stop: 11209, Start Num: 2
Candidate Starts for Yogi_18:
(1, 10283), (Start: 2 @10346 has 76 MA's), (28, 10652), (54, 10904), (56, 10910), (63, 10973), (65, 10991), (74, 11033), (87, 11141),

Gene: Yokurt_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for Yokurt_26:
(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: Yoncess_18 Start: 10346, Stop: 11209, Start Num: 2
Candidate Starts for Yoncess_18:
(1, 10283), (Start: 2 @10346 has 76 MA's), (28, 10652), (54, 10904), (56, 10910), (63, 10973), (65, 10991), (74, 11033), (87, 11141),

Gene: Yosif_16 Start: 10520, Stop: 11083, Start Num: 22
Candidate Starts for Yosif_16:
(Start: 22 @10520 has 500 MA's), (54, 10754), (76, 10892), (78, 10907), (97, 11042),

Gene: Zaka_26 Start: 15191, Stop: 15793, Start Num: 22
Candidate Starts for Zaka_26:
(Start: 22 @15191 has 500 MA's), (Start: 27 @15215 has 1 MA's), (47, 15344), (48, 15368), (49, 15404), (65, 15554), (74, 15590), (76, 15599), (77, 15611), (83, 15668),

Gene: ZamZam_15 Start: 10157, Stop: 10714, Start Num: 22
Candidate Starts for ZamZam_15:
(Start: 22 @10157 has 500 MA's), (54, 10391), (70, 10505), (76, 10529), (90, 10646),

Gene: Zarafa_22 Start: 14054, Stop: 14638, Start Num: 21
Candidate Starts for Zarafa_22:
(14, 14015), (Start: 21 @14054 has 322 MA's), (Start: 25 @14075 has 1 MA's), (Start: 27 @14078 has 1 MA's), (30, 14099), (32, 14114), (48, 14225), (51, 14297), (75, 14453), (81, 14504), (84, 14534), (87, 14558),

Gene: Zeeculate_20 Start: 14578, Stop: 15429, Start Num: 22
Candidate Starts for Zeeculate_20:
(Start: 22 @14578 has 500 MA's), (30, 14623), (54, 14848), (65, 14935), (68, 14953), (75, 14977), (87, 15082), (104, 15169), (105, 15217),

Gene: Zephyr_21 Start: 14670, Stop: 15521, Start Num: 22
Candidate Starts for Zephyr_21:
(Start: 22 @14670 has 500 MA's), (30, 14715), (54, 14940), (65, 15027), (68, 15045), (75, 15069), (87, 15174), (104, 15261), (105, 15309),

Gene: Zetzy_23 Start: 14008, Stop: 14601, Start Num: 21
Candidate Starts for Zetzy_23:
(Start: 21 @14008 has 322 MA's), (Start: 27 @14032 has 1 MA's), (30, 14053), (32, 14068), (48, 14179), (49, 14215), (61, 14320), (64, 14356), (75, 14410), (76, 14416), (81, 14461), (99, 14575),

Gene: Zeuska_22 Start: 15112, Stop: 15963, Start Num: 22

Candidate Starts for Zeuska_22:
(Start: 22 @15112 has 500 MA's), (30, 15157), (54, 15382), (65, 15469), (68, 15487), (75, 15511), (87, 15616), (104, 15703), (105, 15751),

Gene: Zimmer_25 Start: 16700, Stop: 17287, Start Num: 22
Candidate Starts for Zimmer_25:
(Start: 22 @16700 has 500 MA's), (Start: 27 @16724 has 1 MA's), (31, 16751), (56, 16982), (64, 17054), (87, 17210),

Gene: Zolita_18 Start: 13584, Stop: 14444, Start Num: 2
Candidate Starts for Zolita_18:
(Start: 2 @13584 has 76 MA's), (5, 13713), (12, 13800), (Start: 22 @13854 has 500 MA's), (29, 13893), (34, 13932), (41, 13980), (47, 14016), (48, 14040), (56, 14145), (64, 14217), (83, 14343), (91, 14394),

Gene: Zulu_26 Start: 15190, Stop: 15792, Start Num: 22
Candidate Starts for Zulu_26:
(Start: 22 @15190 has 500 MA's), (Start: 27 @15214 has 1 MA's), (47, 15343), (48, 15367), (49, 15403), (65, 15553), (74, 15589), (76, 15598), (77, 15610), (83, 15667),