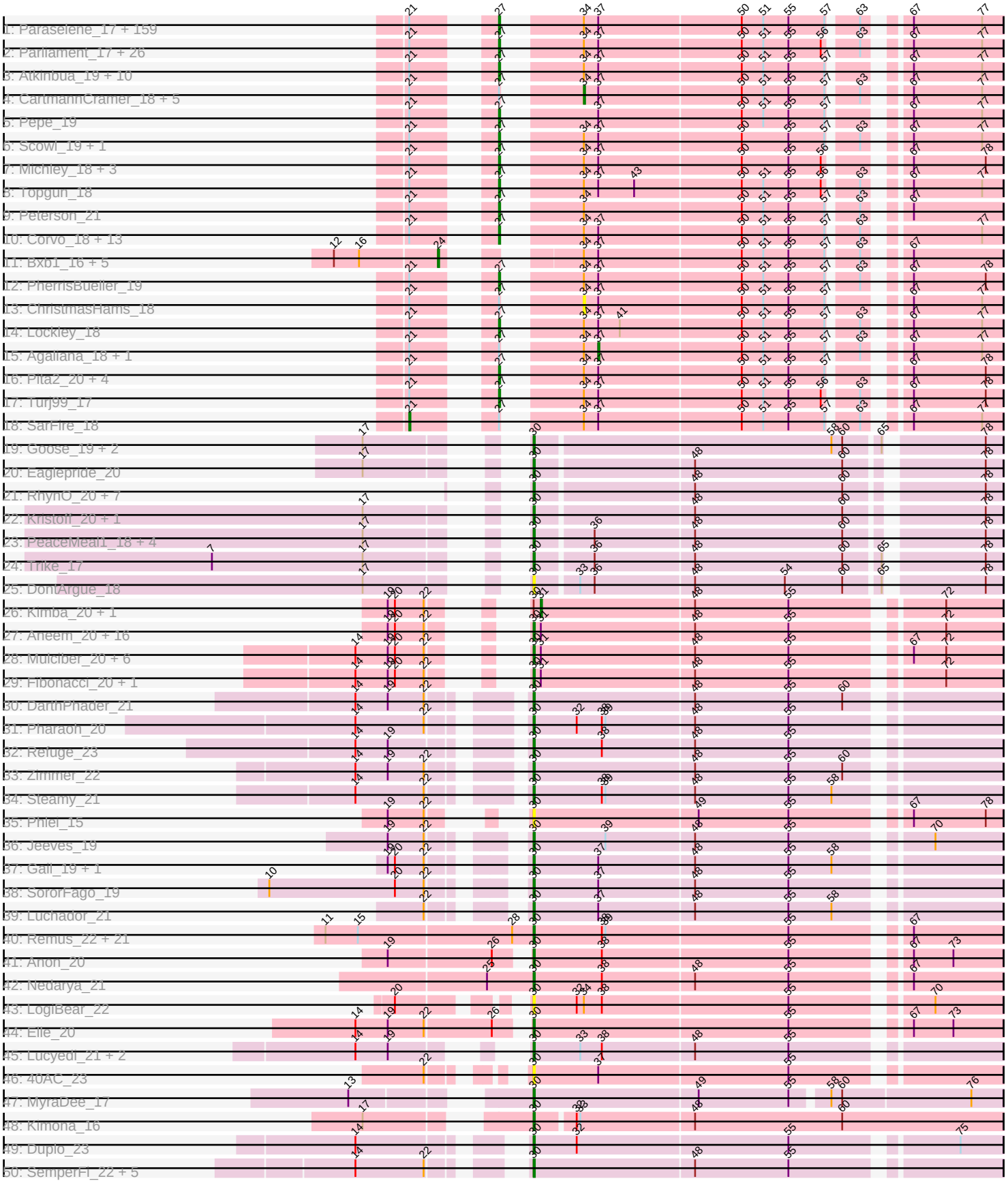
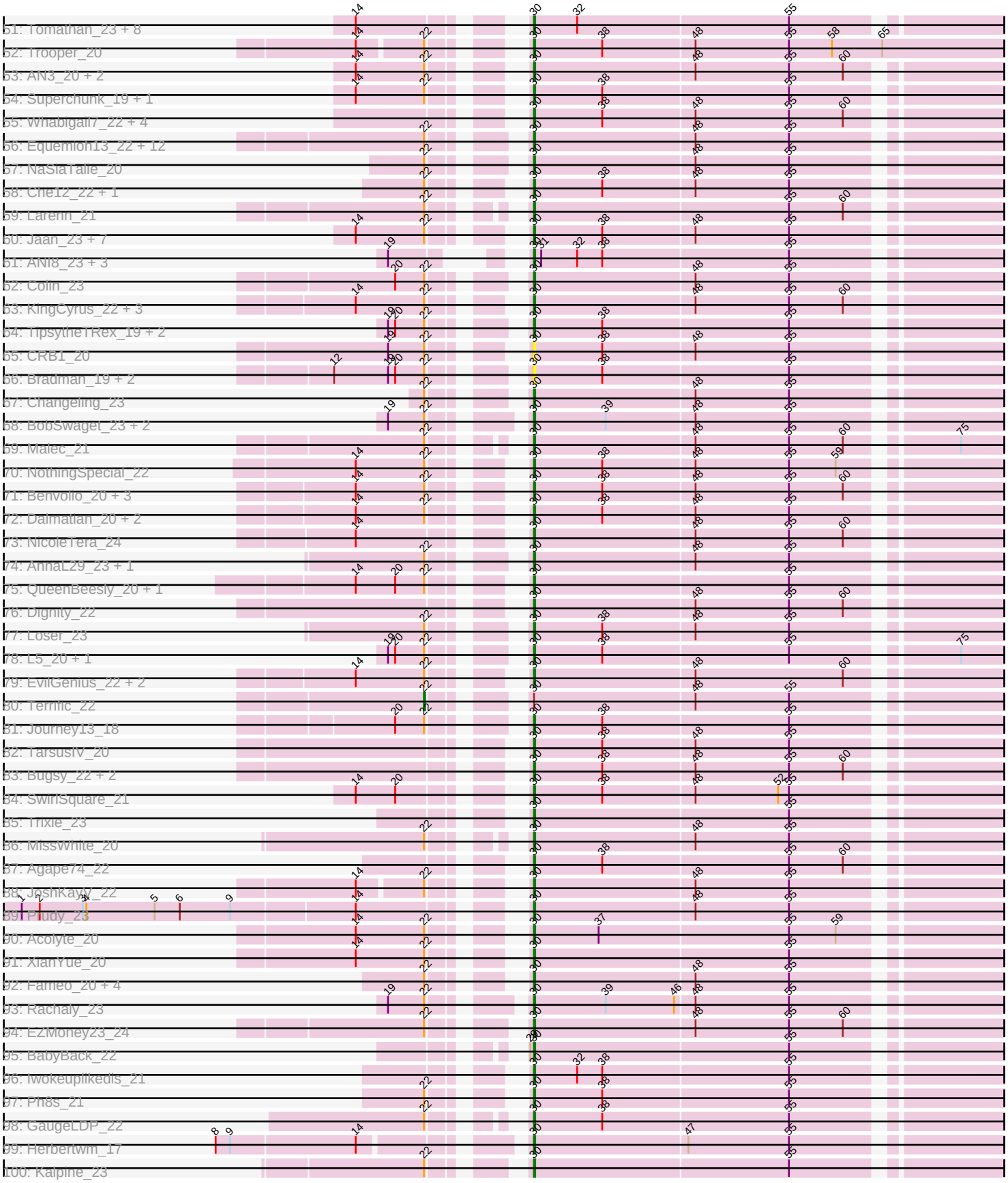
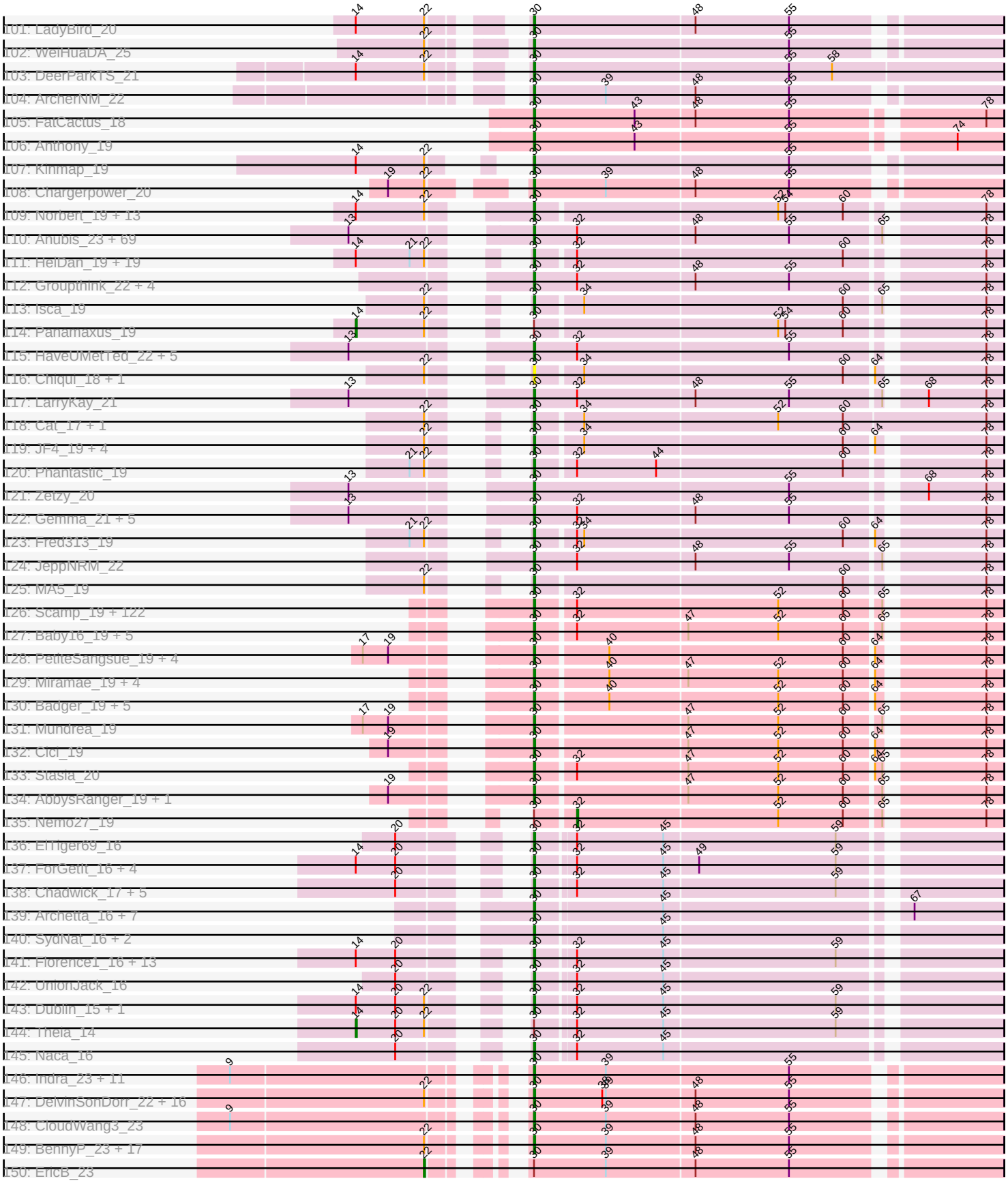
Pham 343424


1: Paraselene_17 + 159
2: Parliament_17 + 26
3: Atkinbua_19 + 10
4: CarlmannCramer_18 + 5
5: Pepe_19
6: Scowl_19 + 1
7: Michley_18 + 3
8: Topgun_18
9: Peterson_21
10: Corvo_18 + 13
11: Bxb1_16 + 5
12: PhernisBueller_19
13: ChristmasHams_18
14: Lockley_18
15: Agaliana_18 + 1
16: Pita2_20 + 4
17: Turj99_17
18: SanFire_18
19: Goose_19 + 2
20: Eaglepride_20
21: RhynO_20 + 7
22: Kristoff_20 + 1
23: PeaceMeal1_18 + 4
24: Trike_17
25: DontArgue_18
26: Kimba_20 + 1
27: Aneem_20 + 16
28: Mulciber_20 + 6
29: Fibonacci_20 + 1
30: DarthPhader_21
31: Pharaoh_20
32: Refuge_23
33: Zimmer_22
34: Steamy_21
35: Phiel_15
36: Jeeves_19
37: Gail_19 + 1
38: SororFago_19
39: Luchador_21
40: Remus_22 + 21
41: Anon_20
42: Nedarya_21
43: LogiBear_22
44: Elle_20
45: Lucyedi_21 + 2
46: 40AC_23
47: MyraDee_17
48: Kimona_16
49: Duplo_23
50: SemperFi_22 + 5

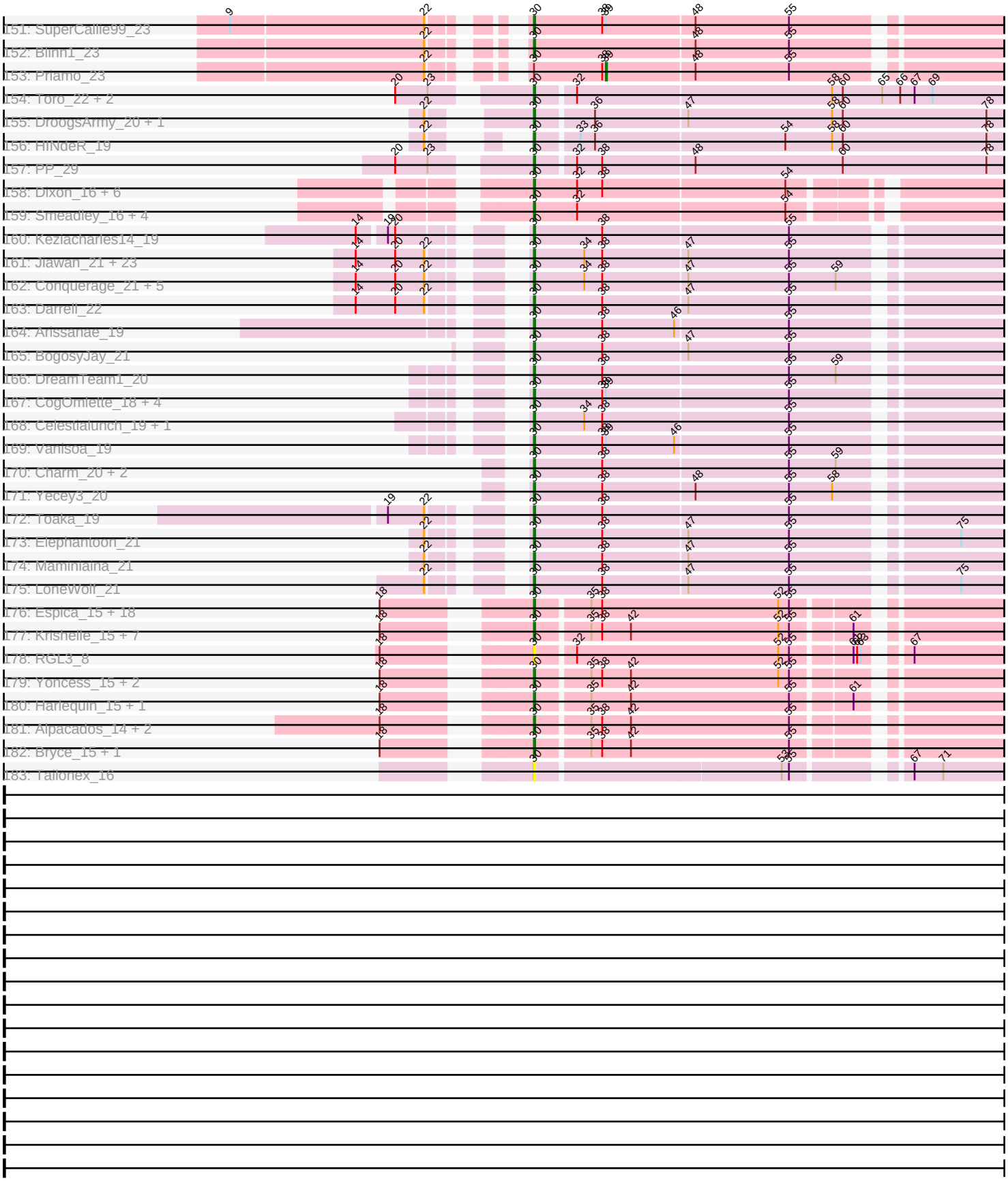
Pham 343424


51: Tomathan_23 + 8
52: Trooper_20
53: AN3_20 + 2
54: Superchunk_19 + 1
55: Whabigail7_22 + 4
56: Equemion13_22 + 12
57: NaSiaTalle_20
58: Che12_22 + 1
59: Larenn_21
60: Jaan_23 + 7
61: AN18_23 + 3
62: Colin_23
63: KingCyrus_22 + 3
64: TipsytheTRex_19 + 2
65: CRB1_20
66: Bradman_19 + 2
67: Changeling_23
68: BobSwaget_23 + 2
69: Malec_21
70: NothingSpecial_22
71: Benvolio_20 + 3
72: Dalmatian_20 + 2
73: NicoleTera_24
74: AnnaL29_23 + 1
75: QueenBeesly_20 + 1
76: Dignity_22
77: Loser_23
78: L5_20 + 1
79: EvilGenius_22 + 2
80: Terrific_22
81: Journey13_18
82: TarsusIV_20
83: Bugsy_22 + 2
84: SwimSquare_21
85: Trixie_23
86: MissWhite_20
87: Agape74_22
88: JoshKayV_22
89: Trudy_23
90: Acolyte_20
91: XianYue_20
92: Fameo_20 + 4
93: Rachaly_23
94: EZMoney23_24
95: BabyBack_22
96: Iwokeuplikedis_21
97: Phs8_21
98: GaugeLDP_22
99: Herbertwm_17
100: Kalpine_23

Pham 343424


I01: LadyBird_20
I02: WeiHuaDA_25
I03: DeerParkTS_21
I04: ArcherNM_22
I05: FatCactus_18
I06: Anthony_19
I07: Kinmap_19
I08: Chargerpower_20
I09: Norbert_19 + 13
I10: Anubis_23 + 69
I11: HelDan_19 + 19
I12: Groupthink_22 + 4
I13: Isca_19
I14: Panamaxus_19
I15: HaveUMetTed_22 + 5
I16: Chiqui_18 + 1
I17: LarryKay_21
I18: Cat_17 + 1
I19: JF4_19 + 4
I20: Phantastic_19
I21: Zetzy_20
I22: Gemma_21 + 5
I23: Fred313_19
I24: JeppNRM_22
I25: MA5_19
I26: Scamp_19 + 122
I27: Baby16_19 + 5
I28: PetiteSangsue_19 + 4
I29: Miramae_19 + 4
I30: Badger_19 + 5
I31: Mundrea_19
I32: Cici_19
I33: Stasia_20
I34: AbbysRanger_19 + 1
I35: Nemo27_19
I36: ErTiger69_16
I37: ForGetIt_16 + 4
I38: Chadwick_17 + 5
I39: Archetta_16 + 7
I40: SydNat_16 + 2
I41: Florence1_16 + 13
I42: UnionJack_16
I43: Dublin_15 + 1
I44: Thela_14
I45: Naca_16
I46: Indra_23 + 11
I47: DelvinSonDorf_22 + 16
I48: CloudWang3_23
I49: BennyP_23 + 17
I50: EricB_23

Pham 343424


151: SuperCallie99_23
152: Blinn1_23
153: Priamo_23
154: Toro_22 + 2
155: DroogsArmy_20 + 1
156: HiNdeR_19
157: PP_29
158: Dixon_16 + 6
159: Smeadley_16 + 4
160: KeziaCharles14_19
161: Jiawan_21 + 23
162: Conquerage_21 + 5
163: Darrell_22
164: Anissanae_19
165: BogosyJay_21
166: DreamTeam1_20
167: CogOmlette_18 + 4
168: CelestiaLunch_19 + 1
169: Vanisoa_19
170: Charm_20 + 2
171: Yecey3_20
172: Toaka_19
173: Elephantoon_21
174: Mamiriaina_21
175: LoneWolf_21
176: Espica_15 + 18
177: Krishelle_15 + 7
178: RGL3_8
179: Yoncess_15 + 2
180: Harlequin_15 + 1
181: Alpacados_14 + 2
182: Bryce_15 + 1
183: Tallonex_16

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 343424 Report

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

Pham number 343424 has 957 members, 62 are drafts.

Phages represented in each track:
• Track 1 : Paraselene_17, Anglerfish_19, Nerujay_19, Lopton_19, Molly_19, Dussy_19, PowerRanger_18, Lamina13_18, Petp2012_20, A6_16, Graduation_20, Squee_19, Euphoria_18, Bigfoot_17, Bruns_17, Thor_18, Briton15_20, Perseus_19, Cueylyss_18, StewieG_17, Monet_20, Jasper_19, MetalQZJ_18, Gwendoluna_20, PattyP_20, Licorice_20, Rohr_19, BigMau_20, MaryBeth_18, Ruotula_17, Solon_18, Switzer_19, Alvin_19, Blue_18, Seanderson_19, Raid_18, SkiPole_20, Sumter_17, Magnito_17, Burton_19, SpikeBT_20, Abbyshoes_19, MPlant7149_17, Marge_19, Acme_20, Makemake_18, Barriga_18, HermioneGrange_18, Bones_18, Aeneas_20, ILeeKay_20, Marsha_18, TheloniousMonk_20, Dynamix_19, Beatrix_17, Marco3_18, NEHalo_18, Gyzlar_20, Fushigi_19, Gandalf20_19, Magnar_18, DreamCatcher_21, Rutherferd_20, Papez_20, Crispicous1_17, Fajezeel_20, Bethlehem_18, Lesedi_17, Chanagan_17, PascalRango_17, Altman_20, Snazzy_16, Hope4ever_18, HanShotFirst_18, Arcanine_19, Levia_18, Edtherson_19, DrFeelGood_17, Watermelon_20, DD5_19, Mule_18, Moose_17, Pelly_19, PhrostyMug_18, LilBib_19, Ringer_18, PinkPlastic_17, Ciao_18, Abrogate_190, HarryOW_19, Greg_20, Maroc7_17, Manatee_19, Kenmech_21, Smeagol_20, Inyanga_17, Tasp14_19, Sagefire_19, Pari_19, Ichabod_19, Paphu_17, Rajelicia_18, Mkhuseli_19, KBG_19, Niza_20, RidgeCB_18, GrecoEtereo_19, JackSparrow_19, Dreamboat_19, Treddle_20, Sibs6_20, Rufus_19, Zeeculate_17, Zephyr_18, BK1_16, Eyeball_18, Museum_20, Rhynn_18, Ashballer_17, McGuire_19, IgnatiusPatJac_17, Arlo_17, Bob3_17, Blesser_18, PhineBark_17, McSinger_19, KSSJEB_18, Norz_20, KyMonks1A_20, Pippin_20, Kanely_19, Applejack_18, Ajay_18, STLscum_19, Sunshine924_17, Dulcie_17, Traft412_20, QTRlifeCrisis_18, Slagathor_19, SwissCheese_18, JC27_20, Jerm2_19, Homines_18, Trouble_18, Smairt_19, Pinto_20, Rubeus_19, AFIS_18, ConceptII_19, TwoPeat_19, Forsytheast_17, Nhonho_18, Wheeler_18, Fascinus_17, LunarLander_18, BluSpix_18, Marcell_18, Dexes_19, Ohno789_18, Phlippers_17
• Track 2 : Parliament_17, Hami1_20, BeesKnees_19, CactusRose_17, Sorpresa_18, Mryolo_17, Payneful_18, Naira_19, Wilkins_18, Puppet_18, Gachnar_18, StrongArm_17, Adahisdi_19, Violet_17, Sandaddy_17, BaconJack_20, Teodoridan_16, Marchy_17, ShortQueendom_18, Sanya_18, Doom_19, Oogway_17, Bexan_17, GageAP_20, BarrowTuph_17, Blackflame_18, Fenn_19
• Track 3 : Atkinbua_19, Francis47_18, Bircsak_18, Gompeii16_18, PacerPaul_18, GMonster_17, Alsfro_22, BPBiebs31_19, ProMouse_19, Killigrew_16, Seabiscuit_20
• Track 4 : CartmannCramer_18, Bigchungi_18, Iqorha_17, Zeuska_19, EnzoK_19, Tripl3t_19
• Track 5 : Pepe_19

• Track 6 : Scowl_19, Jorgensen_18
• Track 7 : Michley_18, Big3_18, MrGordo_18, Espresso_18
• Track 8 : Topgun_18
• Track 9 : Peterson_21
• Track 10 : Corvo_18, BigPaolini_19, CatBus_19, Aldrich_19, Froghopper_19, Petruchio_18, MilleFeuille_17, Noxious_20, Carlyle_20, DirtDevil_19, GroundGoblin_19, Hermia_20, KikiBouba_20, Buttons_19
• Track 11 : Bxb1_16, Kugel_19, Target_20, Whitspit_19, BillKnuckles_19, Kykar_16
• Track 12 : PherrisBueller_19
• Track 13 : ChristmasHams_18
• Track 14 : Lockley_18
• Track 15 : Agaliana_18, U2_18
• Track 16 : Pita2_20, Swole_20, PSullivan_20, Tote_20, JuliaChild_20
• Track 17 : Turj99_17
• Track 18 : SarFire_18
• Track 19 : Goose_19, OKCentral2016_19, Chupacabra_19
• Track 20 : Eaglepride_20
• Track 21 : RhynO_20, Rowdy_22, WalterMcMickey_19, Shapes_22, Twister_19, Topanga_19, DustyMartin_22, Edison31_19
• Track 22 : Kristoff_20, Rebeuca_20
• Track 23 : PeaceMeal1_18, Drake94_18, KittenMittens_18, Severus_18, Poompha_18
• Track 24 : Trike_17
• Track 25 : DontArgue_18
• Track 26 : Kimba_20, Mabel_20
• Track 27 : Aneem_20, Orange_20, Jabith_20, TinyTimmy_20, Et2Brutus_19, MaCh_20, Bud_20, Flaverint_20, Bowtie_20, Bachome_20, Gilberta_20, Munch_20, Insomnia_20, Joselito_20, Timothy_20, Ebony_20, Lucivia_20
• Track 28 : Mulciber_20, Wolpertinger_19, Sham4_20, Salz_20, Petersenfast_20, Hutc2_20, Snape_20
• Track 29 : Fibonacci_20, Saskia_20
• Track 30 : DarthPhader_21
• Track 31 : Pharaoh_20
• Track 32 : Refuge_23
• Track 33 : Zimmer_22
• Track 34 : Steamy_21
• Track 35 : Phlei_15
• Track 36 : Jeeves_19
• Track 37 : Gail_19, Sunhee_19
• Track 38 : SororFago_19
• Track 39 : Luchador_21
• Track 40 : Remus_22, Ravana_22, Switzerland_22, LastResort_22, JSwag_22, Warrior24_22, Rosalind_22, Soups_22, Looper_23, MinecraftSteve_23, KatherineG_22, DekHockey33_22, Oofda_22, Battleship_23, Boohoo_22, ShayRa_23, Nebulosus_22, ReMo_22, Anaysia_22, Epsocamisio_22, Waits_22, Strosahl_22
• Track 41 : Anon_20
• Track 42 : Nedarya_21
• Track 43 : LogiBear_22
• Track 44 : Elle_20
• Track 45 : Lucyedi_21, EagleEye_22, PainterBoy_21
• Track 46 : 40AC_23
• Track 47 : MyraDee_17

• Track 48 : Kimona_16
• Track 49 : Duplo_23
• Track 50 : SemperFi_22, Georgie2_21, SnapTap_20, SweetiePie_20, Crucio_20, Power_20
• Track 51 : Tomathan_23, D29_20, StarStuff_23, DBQu4n_23, D32_23, Naji_23, Pomar16_23, Kerberos_23, Travvers_23
• Track 52 : Trooper_20
• Track 53 : AN3_20, VA6_20, LionsBait_21
• Track 54 : Superchunk_19, Caraxes_19
• Track 55 : Whabigail7_22, Jerm_22, AbbyPaige_22, LilTurb_22, Turbido_22
• Track 56 : Equemioh13_22, Flare16_20, Centaur_22, Baehexic_21, Gratitude_22, Sknot_20, ForesterFrank_22, HarryHoudini_22, Updawg_22, Drake55_22, Piro94_21, MiculUcigas_20, WideWale_22
• Track 57 : NaSiaTalie_20
• Track 58 : Che12_22, Adzzy_21
• Track 59 : Larenn_21
• Track 60 : Jaan_23, IronMan_22, Phaded_23, Tristan_21, Pukovnik_22, Landor_21, Odin_19, Bactobuster_21
• Track 61 : ANI8_23, C3_18, AN9_23, VC3_23
• Track 62 : Colin_23
• Track 63 : KingCyrus_22, Anselm_20, HippoHollow_21, ChipMunk_22
• Track 64 : TipsytheTRex_19, Serenity_19, Jsquared_19
• Track 65 : CRB1_20
• Track 66 : Bradman_19, Quokka_18, MajorMajor_19
• Track 67 : Changeling_23
• Track 68 : BobSwaget_23, Miko_23, Lokk_23
• Track 69 : Malec_21
• Track 70 : NothingSpecial_22
• Track 71 : Benvolio_20, Echild_20, First_0020, 20ES_20
• Track 72 : Dalmatian_20, Retro23_20, DudeLittle_20
• Track 73 : NicoleTera_24
• Track 74 : AnnaL29_23, RedRock_23
• Track 75 : QueenBeesly_20, FiringLine_20
• Track 76 : Dignity_22
• Track 77 : Loser_23
• Track 78 : L5_20, Koduck_21
• Track 79 : EvilGenius_22, Deloris_21, BengiVuitton_21
• Track 80 : Terrific_22
• Track 81 : Journey13_18
• Track 82 : TarsusIV_20
• Track 83 : Bugsy_22, Leviathan_22, Smeagan_22
• Track 84 : SwirlSquare_21
• Track 85 : Trixie_23
• Track 86 : MissWhite_20
• Track 87 : Agape74_22
• Track 88 : JoshKayV_22
• Track 89 : Prudy_23
• Track 90 : Acolyte_20
• Track 91 : XianYue_20
• Track 92 : Fameo_20, QueenB2_20, Leogania_22, Heffalump_22, BiancaTri92_22
• Track 93 : Rachaly_23
• Track 94 : EZMoney23_24
• Track 95 : BabyBack_22

• Track 96 : Iwokeuplikedis_21
• Track 97 : Ph8s_21
• Track 98 : GaugeLDP_22
• Track 99 : Herbertwm_17
• Track 100 : Kalpine_23
• Track 101 : LadyBird_20
• Track 102 : WeiHuaDA_25
• Track 103 : DeerParkTS_21
• Track 104 : ArcherNM_22
• Track 105 : FatCactus_18
• Track 106 : Anthony_19
• Track 107 : Kinmap_19
• Track 108 : Chargerpower_20
• Track 109 : Norbert_19, Veracruz_19, Noella_20, Caviar_20, Hookmount_20, Popcicle_20, ResDef_20, Pocahontas_20, Todacoro_20, EtoileNova_20, QuinnKiro_19, Texage_19, Margo_20, Lambert1_20
• Track 110 : Anubis_23, Stagni_21, Rummer_21, JenCasNa_21, AugsMagnumOpus_23, Louie6_21, Fernando_21, Lowa_21, BuzzBuzz_20, Spike509_21, P28Green_21, Hercules11_21, Bigflo_21, LugYA_23, SoYo_21, Cullens_21, Ollie_21, Grub_21, KADY_22, HashRod_22, Sabinator_21, Malinsilva_23, Wooldri_23, Beauxregard13_21, Bxz2_20, Gwennie_21, PotatoSplit_22, Farber_21, Microwolf_21, AgronaGT15_21, Dieselweasel_21, Soshari_23, BreSam8_21, PGHhamlin_23, DaHudson_21, Colbster_21, Misomonster_23, Methuselah_20, MoneyMay_21, SoilDragon_21, GtownJaz_21, Daishi_20, Grum1_21, Taurus_21, LBerry_21, GingkoMaracino_21, JHC117_21, StepMih_21, Vix_21, MuchMore_23, Grif_21, Penny1_21, EpicPhail_21, MadMarie_21, Montavir_20, Mainiac_21, Pembroke_21, Aglet_21, MarQuardt_21, Phoxy_21, Marie_21, Watson_21, TinyPebbles_21, Lilith_21, Jobu08_21, Sabia_21, Croquant_22, Phoebe_21, Snickers_21, Tiffany_21
• Track 111 : HelDan_19, Puppy_20, Goose1X_19, Kachowdy_19, Giroux_20, Bugatti_20, BlueBird_20, Shep_19, Marchesa_19, Idleandcovert_19, Roimos_19, Goose1D_19, Pistachio_20, Heathen_19, Zarafa_19, Clammy_20, TNguyen7_19, Scout_19, SaturnRing_19, DropBear_19
• Track 112 : Groupthink_22, Heliosoles_21, Calvinny_21, Kalb97_22, PurpleHaze_21
• Track 113 : Isca_19
• Track 114 : Panamaxus_19
• Track 115 : HaveUMetTed_22, ACFishhook_21, PhishRPhriends_20, Phranny_22, ClownCar_21, Reba_22
• Track 116 : Chiqui_18, BabyJohn_18
• Track 117 : LarryKay_21
• Track 118 : Cat_17, BabyRay_19
• Track 119 : JF4_19, Rockstar_19, B1_17, MK4_19, JF2_19
• Track 120 : Phantastic_19
• Track 121 : Zetzy_20
• Track 122 : Gemma_21, Manu_22, Kalnoky_22, Pawn_21, OlanP_21, Marius_22
• Track 123 : Fred313_19
• Track 124 : JeppNRM_22
• Track 125 : MA5_19
• Track 126 : Scamp_19, Iracema64_20, BubbleTrouble_19, LHTSCC_20, Huxley_19, Spino_19, Roosevelt_19, Kremtemulon_19, Romney_19, Albee_19, Cerulean_20, Taquarus_19, Pipcraft_19, JetBlade_19, NorthStar_19, Cocoaberry_19, Maverick_19, Eagle_18, Buckaroo_18, Commander_19,

Lunsford_20, Rosa24_18, BellusTerra_19, Mayonnaise_19, Chaph_19, SenorClean_19, Flux_19, Connomayer_19, KFPoly_19, CentreCat_19, BangNhom_19, Phacado_19, Peaches_19, Koan_19, Funston_19, Citius_19, Wizard007_19, ChampagnePapi_20, Deano_19, LeoAvram_19, MeeZee_19, Florean_19, ICleared_19, Rocksand_19, Polymorphads_19, Gadost_19, Dhanush_19, NotAPhaseMom_19, Sultana_19, Medusa_19, HamSlice_18, Bartimeaus_19, Blackmoor_19, Morrow_19, Bruiser_19, LittleB_19, Arturo_18, Happiness_19, Burger_18, Clarenza_19, Houdini22_19, Palestino_19, YoSam321_19, SheldonCooper_20, Phontbonne_19, Junimo_18, TiroTheta9_19, Maxo_19, Sparxx_19, Pumbaa_19, KekoraPapaka_18, Shaka_19, Skadoosh_19, LochMonster_19, Mazhar510_19, Koreni_18, LittleGuy_19, Millski_19, RockieBear_19, Wilbur_19, Avle17_19, JoongJeon_19, Phelipe_19, SteMason_19, Melvin_19, Eapen_19, Tinybot_18, Camperdownii_18, TroyPia_19, Alberto7_20, Kyee_19, Ohfah_19, Thanksgivukkah_19, Druantia_19, LappelDuVide_19, Cintron_19, Northrop_19, OKaNui_20, Annyong_19, Eris_19, Broseidon_19, TygerBlood_19, Lorenzo_19, Kratark_19, Holli_19, TinaFeyge_19, Ulysses_18, Relief_19, Kampy_19, PeterPeter_19, Nyxis_19, Jaykayelowell_19, Lemur_19, Phighter1804_19, Wander_19, Iceman_20, Obama12_20, DirtyDunning_19, Bombshell_19, Caelakin_19, Nebs_19, Skipitt_19, Eros_19

• Track 127 : Baby16_19, Eurydice_19, Ruin_19, Sabertooth_19, Abdiel_19, Kingmustik0402_19
• Track 128 : PetiteSangsue_19, Perplexer_19, Bumblebee11_19, Katalie136_19, Morpher26_19
• Track 129 : Miramae_19, Noelle_19, Stink_20, Cindaradix_18, AvatarAhPeg_20
• Track 130 : Badger_19, Backyardigan_19, Datway_19, Wile_19, Xena_19, Achebe_19
• Track 131 : Mundrea_19
• Track 132 : Cici_19
• Track 133 : Stasia_20
• Track 134 : AbbysRanger_19, Shygu2_19
• Track 135 : Nemo27_19
• Track 136 : ElTiger69_16
• Track 137 : ForGetIt_16, Milcery_16, Tiger_16, Discoknowium_16, Conspiracy_16
• Track 138 : Chadwick_17, PetterN_17, Benedict_16, Jabiru_16, Scorpia_17, Airmid_16
• Track 139 : Archetta_16, Jovo_16, Phlorence_16, PickleBack_16, Lev2_16, Bluefalcon_15, AgentM_16, Aragog_16
• Track 140 : SydNat_16, Ghoulboy_16, Zolita_15
• Track 141 : Florence1_16, Cuco_16, Twigg_16, Tarynearal_15, Florence4_17, Prinashe11_16, Swirley_16, Coog_16, George_15, Midas2_16, LittleCherry_16, Bonamassa_16, HuhtaEnerson15_16, Micasa_16
• Track 142 : UnionJack_16
• Track 143 : Dublin_15, MarysWell_15
• Track 144 : Theia_14
• Track 145 : Naca_16
• Track 146 : Indra_23, Hexamo_23, Gladiator_23, Jeffabunny_23, Blue7_23, Artemis2UCLA_23, Rifter_23, Koko_23, Hammer_23, Tucker_23, Gruunaga_23, Roksolana_23
• Track 147 : DelvinSonDorr_22, Garak_24, JewelBug_23, Polyphemus_23, Cookiedough_23, Helmet_23, Imbriano_23, Candra_23, SuperAwesome_23, Pmask_23, BABullseye_23, Isiphiwo_23, Newrala_23, Dorothea_23, Temprado_23, Jordennis_23, Neeharika16_23
• Track 148 : CloudWang3_23

• Track 149 : BennyP_23, GreedyLawyer_23, Wiks_23, Kazan_23, VohminGhazi_23, Lilbunny_23, ToneTone_21, Zaka_23, McFly_23, SmellyB_23, Yokurt_23, Chartreuse_23, Kipper29_23, BlessJoy_23, DaVinci_23, Hoot_23, Zulu_23, WunderPhul_23
• Track 150 : EricB_23
• Track 151 : SuperCallie99_23
• Track 152 : Blinn1_23
• Track 153 : Priamo_23
• Track 154 : Toro_22, FlyCatcher_23, Sheen_21
• Track 155 : DroogsArmy_20, Timshel_20
• Track 156 : HINdeR_19
• Track 157 : PP_29
• Track 158 : Dixon_16, NearlyHeadless_16, Danforth_15, Phillis_16, Saintus_16, Roary_16, Stephig9_16
• Track 159 : Smeadley_16, Caitlin_16, Expelliarmus_15, Groundhog_15, Astro_16
• Track 160 : Keziacharles14_19
• Track 161 : Jiawan_21, Pioneer_21, Beemo_21, Aliter_21, Lilleskat_21, Tubs_21, Hanray_21, Catalina_21, ExplosioNervosa_21, Scherzo_21, Onglai_20, Qobbit_21, EdogawaKiddo_21, RyeScarlet_21, PackMan_21, Phaeder_21, Fayely_21, Myxus_21, Phonnegut_21, Ugenie5_18, Holex_21, Ayanochan_21, Sachima_21, HortumSL17_21
• Track 162 : Conquerage_21, Spouty_21, Priya_21, EmyBug_21, Alma_21, Eidsmoe_21
• Track 163 : Darrell_22
• Track 164 : Arissanae_19
• Track 165 : BogosyJay_21
• Track 166 : DreamTeam1_20
• Track 167 : CogOmlette_18, Rahalelujah_19, Minispark_18, WorldCup_18, Bellris_19
• Track 168 : Celestialunch_19, MegTheThird_19
• Track 169 : Vanisoa_19
• Track 170 : Charm_20, Klodlith_20, SheaKeira_20
• Track 171 : Yecey3_20
• Track 172 : Toaka_19
• Track 173 : Elephantoon_21
• Track 174 : Maminiaina_21
• Track 175 : LoneWolf_21
• Track 176 : Espica_15, UhSalsa_15, Gollum_15, RER2_8, Naiad_15, Belenaria_15, Phrankenstein_15, CosmicSans_15, TWAMP_15, Swann_15, Alatin_15, StCroix_15, Natosaleda_15, Bradshaw_15, Lillie_15, Erik_15, RexFury_15, Nancinator_15, Rhodalysa_15
• Track 177 : Krishelle_15, Hiro_15, AngryOrchard_14, Dinger_15, Partridge_15, PhailMary_14, AppleCloud_13, Shuman_15
• Track 178 : RGL3_8
• Track 179 : Yoncess_15, BobbyDazzler_15, Takoda_15
• Track 180 : Harlequin_15, Jester_15
• Track 181 : Alpacados_14, Bonanza_15, Yogi_15
• Track 182 : Bryce_15, Rasputin_15
• Track 183 : Tailonex_16

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

The start number called the most often in the published annotations is 30, it was called in 656 of the 895 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_20, 40AC_23, ACFishhook_21, AN3_20, AN9_23, ANI8_23, AbbyPaige_22, AbbysRanger_19, Abdiel_19, Achebe_19, Acolyte_20, Adzzy_21, Agape74_22, AgentM_16, Aglet_21, AgronaGT15_21, Airmid_16, Alatin_15, Albee_19, Alberto7_20, Aliter_21, Alma_21, Alpacados_14, Anaysia_22, Aneem_20, AngryOrchard_14, AnnaL29_23, Annyong_19, Anon_20, Anselm_20, Anthony_19, Anubis_23, AppleCloud_13, Aragog_16, ArcherNM_22, Archetta_16, Arissanae_19, Artemis2UCLA_23, Arturo_18, Astro_16, AugsMagnumOpus_23, AvatarAhPeg_20, Avle17_19, Ayanochan_21, B1_17, BABullseye_23, Baby16_19, BabyBack_22, BabyJohn_18, BabyRay_19, Bachome_20, Backyardigan_19, Bactobuster_21, Badger_19, Baehexic_21, BangNhom_19, Bartimeaus_19, Battleship_23, Beauxregard13_21, Beemo_21, Belenaria_15, Bellris_19, BellusTerra_19, Benedict_16, BengiVuitton_21, BennyP_23, Benvolio_20, BiancaTri92_22, Bigflo_21, Blackmoor_19, BlessJoy_23, Blinn1_23, Blue7_23, BlueBird_20, Bluefalcon_15, BobSwaget_23, BobbyDazzler_15, BogosyJay_21, Bombshell_19, Bonamassa_16, Bonanza_15, Boohoo_22, Bowtie_20, Bradman_19, Bradshaw_15, BreSam8_21, Broseidon_19, Bruiser_19, Bryce_15, BubbleTrouble_19, Buckaroo_18, Bud_20, Bugatti_20, Bugsy_22, Bumblebee11_19, Burger_18, BuzzBuzz_20, Bxz2_20, C3_18, CRB1_20, Caelakin_19, Caitlin_16, Calvinny_21, Camperdownii_18, Candra_23, Caraxes_19, Cat_17, Catalina_21, Caviar_20, Celestialunch_19, Centaur_22, CentreCat_19, Cerulean_20, Chadwick_17, ChampagnePapi_20, Changeling_23, Chaph_19, Chargerpower_20, Charm_20, Chartreuse_23, Che12_22, ChipMunk_22, Chiqui_18, Chupacabra_19, Cici_19, Cindaradix_18, Cintron_19, Citius_19, Clammy_20, Clarenza_19, CloudWang3_23, ClownCar_21, Cocoaberry_19, CogOmlette_18, Colbster_21, Colin_23, Commander_19, Connomayer_19, Conquerage_21, Conspiracy_16, Coog_16, Cookiedough_23, CosmicSans_15, Croquant_22, Crucio_20, Cuco_16, Cullens_21, D29_20, D32_23, DBQu4n_23, DaHudson_21, DaVinci_23, Daishi_20, Dalmatian_20, Danforth_15, Darrell_22, DarthPhader_21, Datway_19, Deano_19, DeerParkTS_21, DekHockey33_22, Deloris_21, DelvinSonDorr_22, Dhanush_19, Dieselweasel_21, Dignity_22, Dinger_15, DirtyDunning_19, Discoknowium_16, Dixon_16, DontArgue_18, Dorothea_23, Drake55_22, Drake94_18, DreamTeam1_20, DroogsArmy_20, DropBear_19, Druantia_19, Dublin_15, DudeLittle_20, Duplo_23, DustyMartin_22, EZMoney23_24, EagleEye_22, Eagle_18, Eaglepride_20, Eapen_19, Ebony_20, Echild_20, Edison31_19, EdogawaKiddo_21, Eidsmoe_21, ElTiger69_16, Elephantoon_21, Elle_20, EmyBug_21, EpicPhail_21, Epsocamisio_22, Equemioh13_22, Erik_15, Eris_19, Eros_19, Espica_15, Et2Brutus_19, EtoileNova_20, Eurydice_19, EvilGenius_22, Expelliarmus_15, ExplosioNervosa_21, Fameo_20, Farber_21, FatCactus_18, Fayely_21, Fernando_21, Fibonacci_20, FiringLine_20, First_0020, Flare16_20, Flaverint_20, Florean_19, Florence1_16, Florence4_17, Flux_19, FlyCatcher_23, ForGetIt_16, ForesterFrank_22, Fred313_19, Funston_19, Gadost_19, Gail_19, Garak_24, GaugeLDP_22, Gemma_21, George_15, Georgie2_21, Ghoulboy_16, Gilberta_20, GingkoMaracino_21, Giroux_20, Gladiator_23, Gollum_15, Goose1D_19, Goose1X_19, Goose_19, Gratitude_22, GreedyLawyer_23, Grif_21, Groundhog_15, Groupthink_22, Grub_21, Grum1_21, Gruunaga_23, GtownJaz_21, Gwennie_21, HINdeR_19, HamSlice_18, Hammer_23, Hanray_21, Happiness_19, Harlequin_15, HarryHoudini_22, HashRod_22, HaveUMetTed_22, Heathen_19, Heffalump_22, HelDan_19, Heliosoles_21, Helmet_23, Herbertwm_17, Hercules11_21, Hexamo_23,

HippoHollow_21, Hiro_15, Holex_21, Holli_19, Hookmount_20, Hoot_23, HortumSL17_21, Houdini22_19, HuhtaEnerson15_16, Hutc2_20, Huxley_19, ICleared_19, Iceman_20, Idleandcovert_19, Imbriano_23, Indra_23, Insomnia_20, Iracema64_20, IronMan_22, Isca_19, Isiphiwo_23, Iwokeuplikedis_21, JF2_19, JF4_19, JHC117_21, JSwag_22, Jaan_23, Jabiru_16, Jabith_20, Jaykayelowell_19, Jeeves_19, Jeffabunny_23, JenCasNa_21, JeppNRM_22, Jerm_22, Jester_15, JetBlade_19, JewelBug_23, Jiawan_21, Jobu08_21, JoongJeon_19, Jordennis_23, Joselito_20, JoshKayV_22, Journey13_18, Jovo_16, Jsquared_19, Junimo_18, KADY_22, KFPoly_19, Kachowdy_19, Kalb97_22, Kalnoky_22, Kalpine_23, Kampy_19, Katalie136_19, KatherineG_22, Kazan_23, KekoraPapaka_18, Kerberos_23, Keziacharles14_19, Kimona_16, KingCyrus_22, Kingmustik0402_19, Kinmap_19, Kipper29_23, KittenMittens_18, Klodlith_20, Koan_19, Koduck_21, Koko_23, Koreni_18, Kratark_19, Kremtemulon_19, Krishelle_15, Kristoff_20, Kyee_19, L5_20, LBerry_21, LHTSCC_20, LadyBird_20, Lambert1_20, Landor_21, LappelDuVide_19, Larenn_21, LarryKay_21, LastResort_22, Lemur_19, LeoAvram_19, Leogania_22, Lev2_16, Leviathan_22, LilTurb_22, Lilbunny_23, Lilith_21, Lilleskat_21, Lillie_15, LionsBait_21, LittleB_19, LittleCherry_16, LittleGuy_19, LochMonster_19, LogiBear_22, Lokk_23, LoneWolf_21, Looper_23, Lorenzo_19, Loser_23, Louie6_21, Lowa_21, Luchador_21, Lucivia_20, Lucyedi_21, LugYA_23, Lunsford_20, MA5_19, MK4_19, MaCh_20, MadMarie_21, Mainiac_21, MajorMajor_19, Malec_21, Malinsilva_23, Maminiaina_21, Manu_22, MarQuardt_21, Marchesa_19, Margo_20, Marie_21, Marius_22, MarysWell_15, Maverick_19, Maxo_19, Mayonnaise_19, Mazhar510_19, McFly_23, Medusa_19, MeeZee_19, MegTheThird_19, Melvin_19, Methuselah_20, Micasa_16, Microwolf_21, MiculUcigas_20, Midas2_16, Miko_23, Milcery_16, Millski_19, MinecraftSteve_23, Minispark_18, Miramae_19, Misomonster_23, MissWhite_20, MoneyMay_21, Montavir_20, Morpher26_19, Morrow_19, MuchMore_23, Mulciber_20, Munch_20, Mundrea_19, MyraDee_17, Myxus_21, NaSiaTalie_20, Naca_16, Naiad_15, Naji_23, Nancinator_15, Natosaleda_15, NearlyHeadless_16, Nebs_19, Nebulosus_22, Nedarya_21, Neeharika16_23, Newrala_23, NicoleTera_24, Noella_20, Noelle_19, Norbert_19, NorthStar_19, Northrop_19, NotAPhaseMom_19, NothingSpecial_22, Nyxis_19, OKCentral2016_19, OKaNui_20, Obama12_20, Odin_19, Ohfah_19, OlanP_21, Ollie_21, Onglai_20, Oofda_22, Orange_20, P28Green_21, PGHhamlin_23, PP_29, PackMan_21, PainterBoy_21, Palestino_19, Partridge_15, Pawn_21, PeaceMeal1_18, Peaches_19, Pembroke_21, Penny1_21, Perplexer_19, PeterPeter_19, Petersenfast_20, PetiteSangsue_19, PetterN_17, Ph8s_21, Phacado_19, Phaded_23, Phaeder_21, PhailMary_14, Phantastic_19, Pharaoh_20, Phelipe_19, Phighter1804_19, Phillis_16, PhishRPhriends_20, Phlei_15, Phlorence_16, Phoebe_21, Phonnegut_21, Phontbonne_19, Phoxy_21, Phrankenstein_15, Phranny_22, PickleBack_16, Pioneer_21, Pipcraft_19, Piro94_21, Pistachio_20, Pmask_23, Pocahontas_20, Polymorphads_19, Polyphemus_23, Pomar16_23, Poompha_18, Popcicle_20, PotatoSplit_22, Power_20, Prinashe11_16, Priya_21, Prudy_23, Pukovnik_22, Pumbaa_19, Puppy_20, PurpleHaze_21, Qobbit_21, QueenB2_20, QueenBeesly_20, QuinnKiro_19, Quokka_18, RER2_8, RGL3_8, Rachaly_23, Rahalelujah_19, Rasputin_15, Ravana_22, ReMo_22, Reba_22, Rebeuca_20, RedRock_23, Refuge_23, Relief_19, Remus_22, ResDef_20, Retro23_20, RexFury_15, Rhodalysa_15, RhynO_20, Rifter_23, Roary_16, RockieBear_19, Rocksand_19, Rockstar_19, Roimos_19, Roksolana_23, Romney_19, Roosevelt_19, Rosa24_18, Rosalind_22, Rowdy_22, Ruin_19, Rummer_21, RyeScarlet_21, Sabertooth_19, Sabia_21, Sabinator_21, Sachima_21, Saintus_16, Salz_20, Saskia_20, SaturnRing_19, Scamp_19, Scherzo_21, Scorpia_17, Scout_19, SemperFi_22, SenorClean_19, Serenity_19, Severus_18, Shaka_19, Sham4_20, Shapes_22, ShayRa_23, SheaKeira_20, Sheen_21,

SheldonCooper_20, Shep_19, Shuman_15, Shygu2_19, Skadoosh_19, Skipitt_19, Sknot_20, Smeadley_16, Smeagan_22, SmellyB_23, SnapTap_20, Snape_20, Snickers_21, SoYo_21, SoilDragon_21, SororFago_19, Soshari_23, Soups_22, Sparxx_19, Spike509_21, Spino_19, Spouty_21, StCroix_15, Stagni_21, StarStuff_23, Stasia_20, SteMason_19, Steamy_21, StepMih_21, Stephig9_16, Stink_20, Strosahl_22, Sultana_19, Sunhee_19, SuperAwesome_23, SuperCallie99_23, Superchunk_19, Swann_15, SweetiePie_20, SwirlSquare_21, Swirley_16, Switzerland_22, SydNat_16, TNguyen7_19, TWAMP_15, Tailonex_16, Takoda_15, Taquarus_19, TarsusIV_20, Tarynearal_15, Taurus_21, Temprado_23, Texage_19, Thanksgivukkah_19, Tiffany_21, Tiger_16, Timothy_20, Timshel_20, TinaFeyge_19, TinyPebbles_21, TinyTimmy_20, Tinybot_18, TipsytheTRex_19, TiroTheta9_19, Toaka_19, Todacoro_20, Tomathan_23, ToneTone_21, Topanga_19, Toro_22, Travvers_23, Trike_17, Tristan_21, Trixie_23, Trooper_20, TroyPia_19, Tubs_21, Tucker_23, Turbido_22, Twigg_16, Twister_19, TygerBlood_19, Ugenie5_18, UhSalsa_15, Ulysses_18, UnionJack_16, Updawg_22, VA6_20, VC3_23, Vanisoa_19, Veracruz_19, Vix_21, VohminGhazi_23, Waits_22, WalterMcMickey_19, Wander_19, Warrior24_22, Watson_21, WeiHuaDA_25, Whabigail7_22, WideWale_22, Wiks_23, Wilbur_19, Wile_19, Wizard007_19, Wolpertinger_19, Wooldri_23, WorldCup_18, WunderPhul_23, Xena_19, XianYue_20, Yecey3_20, YoSam321_19, Yogi_15, Yokurt_23, Yoncess_15, Zaka_23, Zarafa_19, Zetzy_20, Zimmer_22, Zolita_15, Zulu_23,

Genes that have the "Most Annotated" start but do not call it:
• EricB_23, Kimba_20, Mabel_20, Nemo27_19, Panamaxus_19, Priamo_23, Terrific_22, Theia_14,

Genes that do not have the "Most Annotated" start:
• A6_16, AFIS_18, Abbyshoes_19, Abrogate_190, Acme_20, Adahisdi_19, Aeneas_20, Agaliana_18, Ajay_18, Aldrich_19, Alsfro_22, Altman_20, Alvin_19, Anglerfish_19, Applejack_18, Arcanine_19, Arlo_17, Ashballer_17, Atkinbua_19, BK1_16, BPBiebs31_19, BaconJack_20, Barriga_18, BarrowTuph_17, Beatrix_17, BeesKnees_19, Bethlehem_18, Bexan_17, Big3_18, BigMau_20, BigPaolini_19, Bigchungi_18, Bigfoot_17, BillKnuckles_19, Bircsak_18, Blackflame_18, Blesser_18, BluSpix_18, Blue_18, Bob3_17, Bones_18, Briton15_20, Bruns_17, Burton_19, Buttons_19, Bxb1_16, CactusRose_17, Carlyle_20, CartmannCramer_18, CatBus_19, Chanagan_17, ChristmasHams_18, Ciao_18, ConceptII_19, Corvo_18, Crispicous1_17, Cueylyss_18, DD5_19, Dexes_19, DirtDevil_19, Doom_19, DrFeelGood_17, DreamCatcher_21, Dreamboat_19, Dulcie_17, Dussy_19, Dynamix_19, Edtherson_19, EnzoK_19, Espresso_18, Euphoria_18, Eyeball_18, Fajezeel_20, Fascinus_17, Fenn_19, Forsytheast_17, Francis47_18, Froghopper_19, Fushigi_19, GMonster_17, Gachnar_18, GageAP_20, Gandalf20_19, Gompeii16_18, Graduation_20, GrecoEtereo_19, Greg_20, GroundGoblin_19, Gwendoluna_20, Gyzlar_20, Hami1_20, HanShotFirst_18, HarryOW_19, Hermia_20, HermioneGrange_18, Homines_18, Hope4ever_18, ILeeKay_20, Ichabod_19, IgnatiusPatJac_17, Inyanga_17, Iqorha_17, JC27_20, JackSparrow_19, Jasper_19, Jerm2_19, Jorgensen_18, JuliaChild_20, KBG_19, KSSJEB_18, Kanely_19, Kenmech_21, KikiBouba_20, Killigrew_16, Kugel_19, KyMonks1A_20, Kykar_16, Lamina13_18, Lesedi_17, Levia_18, Licorice_20, LilBib_19, Lockley_18, Lopton_19, LunarLander_18, MPlant7149_17, Magnar_18, Magnito_17, Makemake_18, Manatee_19, Marcell_18, Marchy_17, Marco3_18, Marge_19, Maroc7_17, Marsha_18, MaryBeth_18, McGuire_19, McSinger_19, MetalQZJ_18, Michley_18, MilleFeuille_17, Mkhuseli_19, Molly_19, Monet_20, Moose_17, MrGordo_18, Mryolo_17, Mule_18, Museum_20, NEHalo_18, Naira_19, Nerujay_19, Nhonho_18,

Niza_20, Norz_20, Noxious_20, Ohno789_18, Oogway_17, PSullivan_20, PacerPaul_18, Papez_20, Paphu_17, Paraselene_17, Pari_19, Parliament_17, PascalRango_17, PattyP_20, Payneful_18, Pelly_19, Pepe_19, Perseus_19, Peterson_21, Petp2012_20, Petruchio_18, PherrisBueller_19, PhineBark_17, Phlippers_17, PhrostyMug_18, PinkPlastic_17, Pinto_20, Pippin_20, Pita2_20, PowerRanger_18, ProMouse_19, Puppet_18, QTRlifeCrisis_18, Raid_18, Rajelicia_18, Rhynn_18, RidgeCB_18, Ringer_18, Rohr_19, Rubeus_19, Rufus_19, Ruotula_17, Rutherferd_20, STLscum_19, Sagefire_19, Sandaddy_17, Sanya_18, SarFire_18, Scowl_19, Seabiscuit_20, Seanderson_19, ShortQueendom_18, Sibs6_20, SkiPole_20, Slagathor_19, Smairt_19, Smeagol_20, Snazzy_16, Solon_18, Sorpresa_18, SpikeBT_20, Squee_19, StewieG_17, StrongArm_17, Sumter_17, Sunshine924_17, SwissCheese_18, Switzer_19, Swole_20, Target_20, Tasp14_19, Teodoridan_16, TheloniousMonk_20, Thor_18, Topgun_18, Tote_20, Traft412_20, Treddle_20, Tripl3t_19, Trouble_18, Turj99_17, TwoPeat_19, U2_18, Violet_17, Watermelon_20, Wheeler_18, Whitspit_19, Wilkins_18, Zeeculate_17, Zephyr_18, Zeuska_19,

Summary by start number:

Start 14:
• Found in 164 of 957 (17.1%) of genes in pham
• Manual Annotations of this start: 2 of 895
• Called 1.2% of time when present
• Phage (with cluster) where this start called: Panamaxus_19 (A3), Theia_14 (A5),

Start 21:
• Found in 261 of 957 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 895
• Called 0.4% of time when present
• Phage (with cluster) where this start called: SarFire_18 (A1),

Start 22:
• Found in 261 of 957 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 895
• Called 0.8% of time when present
• Phage (with cluster) where this start called: EricB_23 (A6), Terrific_22 (A2),

Start 24:
• Found in 6 of 957 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 895
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillKnuckles_19 (A1), Bxb1_16 (A1), Kugel_19 (A1), Kykar_16 (A1), Target_20 (A1), Whitspit_19 (A1),

Start 27:
• Found in 239 of 957 (25.0%) of genes in pham
• Manual Annotations of this start: 220 of 895
• Called 95.8% of time when present
• Phage (with cluster) where this start called: A6_16 (A1), AFIS_18 (A1), Abbyshoes_19 (A1), Abrogate_190 (A1), Acme_20 (A1), Adahisdi_19 (A1), Aeneas_20 (A1), Ajay_18 (A1), Aldrich_19 (A1), Alsfro_22 (A1), Altman_20 (A1), Alvin_19 (A1), Anglerfish_19 (A1), Applejack_18 (A1), Arcanine_19 (A1), Arlo_17 (A1), Ashballer_17 (A1), Atkinbua_19 (A1), BK1_16 (A1), BPBiebs31_19 (A1),

BaconJack_20 (A1), Barriga_18 (A1), BarrowTuph_17 (A1), Beatrix_17 (A1), BeesKnees_19 (A1), Bethlehem_18 (A1), Bexan_17 (A1), Big3_18 (A1), BigMau_20 (A1), BigPaolini_19 (A1), Bigfoot_17 (A1), Bircsak_18 (A1), Blackflame_18 (A1), Blesser_18 (A1), BluSpix_18 (A1), Blue_18 (A1), Bob3_17 (A1), Bones_18 (A1), Briton15_20 (A1), Bruns_17 (A1), Burton_19 (A1), Buttons_19 (A1), CactusRose_17 (A1), Carlyle_20 (A1), CatBus_19 (A1), Chanagan_17 (A1), Ciao_18 (A1), ConceptII_19 (A1), Corvo_18 (A1), Crispicous1_17 (A1), Cueylyss_18 (A1), DD5_19 (A1), Dexes_19 (A1), DirtDevil_19 (A1), Doom_19 (A1), DrFeelGood_17 (A1), DreamCatcher_21 (A1), Dreamboat_19 (A1), Dulcie_17 (A1), Dussy_19 (A1), Dynamix_19 (A1), Edtherson_19 (A1), Espresso_18 (A1), Euphoria_18 (A1), Eyeball_18 (A1), Fajezeel_20 (A1), Fascinus_17 (A1), Fenn_19 (A1), Forsytheast_17 (A1), Francis47_18 (A1), Froghopper_19 (A1), Fushigi_19 (A1), GMonster_17 (A1), Gachnar_18 (A1), GageAP_20 (A1), Gandalf20_19 (A1), Gompeii16_18 (A1), Graduation_20 (A1), GrecoEtereo_19 (A1), Greg_20 (A1), GroundGoblin_19 (A1), Gwendoluna_20 (A1), Gyzlar_20 (A1), Hami1_20 (A1), HanShotFirst_18 (A1), HarryOW_19 (A1), Hermia_20 (A1), HermioneGrange_18 (A1), Homines_18 (A1), Hope4ever_18 (A1), ILeeKay_20 (A1), Ichabod_19 (A1), IgnatiusPatJac_17 (A1), Inyanga_17 (A1), JC27_20 (A1), JackSparrow_19 (A1), Jasper_19 (A1), Jerm2_19 (A1), Jorgensen_18 (A1), JuliaChild_20 (A1), KBG_19 (A1), KSSJEB_18 (A1), Kanely_19 (A1), Kenmech_21 (A1), KikiBouba_20 (A1), Killigrew_16 (A1), KyMonks1A_20 (A1), Lamina13_18 (A1), Lesedi_17 (A1), Levia_18 (A1), Licorice_20 (A1), LilBib_19 (A1), Lockley_18 (A1), Lopton_19 (A1), LunarLander_18 (A1), MPlant7149_17 (A1), Magnar_18 (A1), Magnito_17 (A1), Makemake_18 (A1), Manatee_19 (A1), Marcell_18 (A1), Marchy_17 (A1), Marco3_18 (A1), Marge_19 (A1), Maroc7_17 (A1), Marsha_18 (A1), MaryBeth_18 (A1), McGuire_19 (A1), McSinger_19 (A1), MetalQZJ_18 (A1), Michley_18 (A1), MilleFeuille_17 (A1), Mkhuseli_19 (A1), Molly_19 (A1), Monet_20 (A1), Moose_17 (A1), MrGordo_18 (A1), Mryolo_17 (A1), Mule_18 (A1), Museum_20 (A1), NEHalo_18 (A1), Naira_19 (A1), Nerujay_19 (A1), Nhonho_18 (A1), Niza_20 (A1), Norz_20 (A1), Noxious_20 (A1), Ohno789_18 (A1), Oogway_17 (A1), PSullivan_20 (A1), PacerPaul_18 (A1), Papez_20 (A1), Paphu_17 (A1), Paraselene_17 (A1), Pari_19 (A1), Parliament_17 (A1), PascalRango_17 (A1), PattyP_20 (A1), Payneful_18 (A1), Pelly_19 (A1), Pepe_19 (A1), Perseus_19 (A1), Peterson_21 (A1), Petp2012_20 (A1), Petruchio_18 (A1), PherrisBueller_19 (A1), PhineBark_17 (A1), Phlippers_17 (A1), PhrostyMug_18 (A1), PinkPlastic_17 (A1), Pinto_20 (A1), Pippin_20 (A1), Pita2_20 (A1), PowerRanger_18 (A1), ProMouse_19 (A1), Puppet_18 (A1), QTRlifeCrisis_18 (A1), Raid_18 (A1), Rajelicia_18 (A1), Rhynn_18 (A1), RidgeCB_18 (A1), Ringer_18 (A1), Rohr_19 (A1), Rubeus_19 (A1), Rufus_19 (A1), Ruotula_17 (A1), Rutherferd_20 (A1), STLscum_19 (A1), Sagefire_19 (A1), Sandaddy_17 (A1), Sanya_18 (A1), Scowl_19 (A1), Seabiscuit_20 (A1), Seanderson_19 (A1), ShortQueendom_18 (A1), Sibs6_20 (A1), SkiPole_20 (A1), Slagathor_19 (A1), Smairt_19 (A1), Smeagol_20 (A1), Snazzy_16 (A1), Solon_18 (A1), Sorpresa_18 (A1), SpikeBT_20 (A1), Squee_19 (A1), StewieG_17 (A1), StrongArm_17 (A1), Sumter_17 (A1), Sunshine924_17 (A1), SwissCheese_18 (A1), Switzer_19 (A1), Swole_20 (A1), Tasp14_19 (A1), Teodoridan_16 (A1), TheloniousMonk_20 (A1), Thor_18 (A1), Topgun_18 (A1), Tote_20 (A1), Traft412_20 (A1), Treddle_20 (A1), Trouble_18 (A1), Turj99_17 (A1), TwoPeat_19 (A1), Violet_17 (A1), Watermelon_20 (A1), Wheeler_18 (A1), Wilkins_18 (A1), Zeeculate_17 (A1), Zephyr_18 (A1),

Start 30:
• Found in 712 of 957 (74.4%) of genes in pham
• Manual Annotations of this start: 656 of 895
• Called 98.9% of time when present

• Phage (with cluster) where this start called: 20ES_20 (A2), 40AC_23 (A17), ACFishhook_21 (A3), AN3_20 (A2), AN9_23 (A2), ANI8_23 (A2), AbbyPaige_22 (A2), AbbysRanger_19 (A4), Abdiel_19 (A4), Achebe_19 (A4), Acolyte_20 (A2), Adzzy_21 (A2), Agape74_22 (A2), AgentM_16 (A5), Aglet_21 (A3), AgronaGT15_21 (A3), Airmid_16 (A5), Alatin_15 (CA), Albee_19 (A4), Alberto7_20 (A4), Aliter_21 (A9), Alma_21 (A9), Alpacados_14 (CA), Anaysia_22 (A15), Aneem_20 (A11), AngryOrchard_14 (CA), AnnaL29_23 (A2), Annyong_19 (A4), Anon_20 (A15), Anselm_20 (A2), Anthony_19 (A20), Anubis_23 (A3), AppleCloud_13 (CA), Aragog_16 (A5), ArcherNM_22 (A2), Archetta_16 (A5), Arissanae_19 (A9), Artemis2UCLA_23 (A6), Arturo_18 (A4), Astro_16 (A8), AugsMagnumOpus_23 (A3), AvatarAhPeg_20 (A4), Avle17_19 (A4), Ayanochan_21 (A9), B1_17 (A3), BABullseye_23 (A6), Baby16_19 (A4), BabyBack_22 (A2), BabyJohn_18 (A3), BabyRay_19 (A3), Bachome_20 (A11), Backyardigan_19 (A4), Bactobuster_21 (A2), Badger_19 (A4), Baehexic_21 (A2), BangNhom_19 (A4), Bartimeaus_19 (A4), Battleship_23 (A15), Beauxregard13_21 (A3), Beemo_21 (A9), Belenaria_15 (CA), Bellris_19 (A9), BellusTerra_19 (A4), Benedict_16 (A5), BengiVuitton_21 (A2), BennyP_23 (A6), Benvolio_20 (A2), BiancaTri92_22 (A2), Bigflo_21 (A3), Blackmoor_19 (A4), BlessJoy_23 (A6), Blinn1_23 (A6), Blue7_23 (A6), BlueBird_20 (A3), Bluefalcon_15 (A5), BobSwaget_23 (A2), BobbyDazzler_15 (CA), BogosyJay_21 (A9), Bombshell_19 (A4), Bonamassa_16 (A5), Bonanza_15 (CA), Boohoo_22 (A15), Bowtie_20 (A11), Bradman_19 (A2), Bradshaw_15 (CA), BreSam8_21 (A3), Broseidon_19 (A4), Bruiser_19 (A4), Bryce_15 (CA), BubbleTrouble_19 (A4), Buckaroo_18 (A4), Bud_20 (A11), Bugatti_20 (A3), Bugsy_22 (A2), Bumblebee11_19 (A4), Burger_18 (A4), BuzzBuzz_20 (A3), Bxz2_20 (A3), C3_18 (A2), CRB1_20 (A2), Caelakin_19 (A4), Caitlin_16 (A8), Calvinny_21 (A3), Camperdownii_18 (A4), Candra_23 (A6), Caraxes_19 (A2), Cat_17 (A3), Catalina_21 (A9), Caviar_20 (A3), Celestialunch_19 (A9), Centaur_22 (A2), CentreCat_19 (A4), Cerulean_20 (A4), Chadwick_17 (A5), ChampagnePapi_20 (A4), Changeling_23 (A2), Chaph_19 (A4), Chargerpower_20 (A22), Charm_20 (A9), Chartreuse_23 (A6), Che12_22 (A2), ChipMunk_22 (A2), Chiqui_18 (A3), Chupacabra_19 (A10), Cici_19 (A4), Cindaradix_18 (A4), Cintron_19 (A4), Citius_19 (A4), Clammy_20 (A3), Clarenza_19 (A4), CloudWang3_23 (A6), ClownCar_21 (A3), Cocoaberry_19 (A4), CogOmlette_18 (A9), Colbster_21 (A3), Colin_23 (A2), Commander_19 (A4), Connomayer_19 (A4), Conquerage_21 (A9), Conspiracy_16 (A5), Coog_16 (A5), Cookiedough_23 (A6), CosmicSans_15 (CA), Croquant_22 (A3), Crucio_20 (A2), Cuco_16 (A5), Cullens_21 (A3), D29_20 (A2), D32_23 (A2), DBQu4n_23 (A2), DaHudson_21 (A3), DaVinci_23 (A6), Daishi_20 (A3), Dalmatian_20 (A2), Danforth_15 (A8), Darrell_22 (A9), DarthPhader_21 (A12), Datway_19 (A4), Deano_19 (A4), DeerParkTS_21 (A2), DekHockey33_22 (A15), Deloris_21 (A2), DelvinSonDorr_22 (A6), Dhanush_19 (A4), Dieselweasel_21 (A3), Dignity_22 (A2), Dinger_15 (CA), DirtyDunning_19 (A4), Discoknowium_16 (A5), Dixon_16 (A8), DontArgue_18 (A10), Dorothea_23 (A6), Drake55_22 (A2), Drake94_18 (A10), DreamTeam1_20 (A9), DroogsArmy_20 (A7), DropBear_19 (A3), Druantia_19 (A4), Dublin_15 (A5), DudeLittle_20 (A2), Duplo_23 (A2), DustyMartin_22 (A10), EZMoney23_24 (A2), EagleEye_22 (A16), Eagle_18 (A4), Eaglepride_20 (A10), Eapen_19 (A4), Ebony_20 (A11), Echild_20 (A2), Edison31_19 (A10), EdogawaKiddo_21 (A9), Eidsmoe_21 (A9), ElTiger69_16 (A5), Elephantoon_21 (A9), Elle_20 (A15), EmyBug_21 (A9), EpicPhail_21 (A3), Epsocamisio_22 (A15), Equemioh13_22 (A2), Erik_15 (CA), Eris_19 (A4), Eros_19 (A4), Espica_15 (CA), Et2Brutus_19 (A11), EtoileNova_20 (A3), Eurydice_19 (A4), EvilGenius_22 (A2), Expelliarmus_15 (A8), ExplosioNervosa_21 (A9), Fameo_20 (A2), Farber_21 (A3), FatCactus_18 (A20), Fayely_21 (A9), Fernando_21 (A3), Fibonacci_20 (A11), FiringLine_20 (A2), First_0020 (A2), Flare16_20 (A2),

Flaverint_20 (A11), Florean_19 (A4), Florence1_16 (A5), Florence4_17 (A5), Flux_19 (A4), FlyCatcher_23 (A7), ForGetIt_16 (A5), ForesterFrank_22 (A2), Fred313_19 (A3), Funston_19 (A4), Gadost_19 (A4), Gail_19 (A14), Garak_24 (A6), GaugeLDP_22 (A2), Gemma_21 (A3), George_15 (A5), Georgie2_21 (A2), Ghoulboy_16 (A5), Gilberta_20 (A11), GingkoMaracino_21 (A3), Giroux_20 (A3), Gladiator_23 (A6), Gollum_15 (CA), Goose1D_19 (A3), Goose1X_19 (A3), Goose_19 (A10), Gratitude_22 (A2), GreedyLawyer_23 (A6), Grif_21 (A3), Groundhog_15 (A8), Groupthink_22 (A3), Grub_21 (A3), Grum1_21 (A3), Gruunaga_23 (A6), GtownJaz_21 (A3), Gwennie_21 (A3), HINdeR_19 (A7), HamSlice_18 (A4), Hammer_23 (A6), Hanray_21 (A9), Happiness_19 (A4), Harlequin_15 (CA), HarryHoudini_22 (A2), HashRod_22 (A3), HaveUMetTed_22 (A3), Heathen_19 (A3), Heffalump_22 (A2), HelDan_19 (A3), Heliosoles_21 (A3), Helmet_23 (A6), Herbertwm_17 (A2), Hercules11_21 (A3), Hexamo_23 (A6), HippoHollow_21 (A2), Hiro_15 (CA), Holex_21 (A9), Holli_19 (A4), Hookmount_20 (A3), Hoot_23 (A6), HortumSL17_21 (A9), Houdini22_19 (A4), HuhtaEnerson15_16 (A5), Hutc2_20 (A11), Huxley_19 (A4), ICleared_19 (A4), Iceman_20 (A4), Idleandcovert_19 (A3), Imbriano_23 (A6), Indra_23 (A6), Insomnia_20 (A11), Iracema64_20 (A4), IronMan_22 (A2), Isca_19 (A3), Isiphiwo_23 (A6), Iwokeuplikedis_21 (A2), JF2_19 (A3), JF4_19 (A3), JHC117_21 (A3), JSwag_22 (A15), Jaan_23 (A2), Jabiru_16 (A5), Jabith_20 (A11), Jaykayelowell_19 (A4), Jeeves_19 (A14), Jeffabunny_23 (A6), JenCasNa_21 (A3), JeppNRM_22 (A3), Jerm_22 (A2), Jester_15 (CA), JetBlade_19 (A4), JewelBug_23 (A6), Jiawan_21 (A9), Jobu08_21 (A3), JoongJeon_19 (A4), Jordennis_23 (A6), Joselito_20 (A11), JoshKayV_22 (A2), Journey13_18 (A2), Jovo_16 (A5), Jsquared_19 (A2), Junimo_18 (A4), KADY_22 (A3), KFPoly_19 (A4), Kachowdy_19 (A3), Kalb97_22 (A3), Kalnoky_22 (A3), Kalpine_23 (A2), Kampy_19 (A4), Katalie136_19 (A4), KatherineG_22 (A15), Kazan_23 (A6), KekoraPapaka_18 (A4), Kerberos_23 (A2), Keziacharles14_19 (A9), Kimona_16 (A19), KingCyrus_22 (A2), Kingmustik0402_19 (A4), Kinmap_19 (A21), Kipper29_23 (A6), KittenMittens_18 (A10), Klodlith_20 (A9), Koan_19 (A4), Koduck_21 (A2), Koko_23 (A6), Koreni_18 (A4), Kratark_19 (A4), Kremtemulon_19 (A4), Krishelle_15 (CA), Kristoff_20 (A10), Kyee_19 (A4), L5_20 (A2), LBerry_21 (A3), LHTSCC_20 (A4), LadyBird_20 (A2), Lambert1_20 (A3), Landor_21 (A2), LappelDuVide_19 (A4), Larenn_21 (A2), LarryKay_21 (A3), LastResort_22 (A15), Lemur_19 (A4), LeoAvram_19 (A4), Leogania_22 (A2), Lev2_16 (A5), Leviathan_22 (A2), LilTurb_22 (A2), Lilbunny_23 (A6), Lilith_21 (A3), Lilleskat_21 (A9), Lillie_15 (CA), LionsBait_21 (A2), LittleB_19 (A4), LittleCherry_16 (A5), LittleGuy_19 (A4), LochMonster_19 (A4), LogiBear_22 (A15), Lokk_23 (A2), LoneWolf_21 (A9), Looper_23 (A15), Lorenzo_19 (A4), Loser_23 (A2), Louie6_21 (A3), Lowa_21 (A3), Luchador_21 (A14), Lucivia_20 (A11), Lucyedi_21 (A16), LugYA_23 (A3), Lunsford_20 (A4), MA5_19 (A3), MK4_19 (A3), MaCh_20 (A11), MadMarie_21 (A3), Mainiac_21 (A3), MajorMajor_19 (A2), Malec_21 (A2), Malinsilva_23 (A3), Maminiaina_21 (A9), Manu_22 (A3), MarQuardt_21 (A3), Marchesa_19 (A3), Margo_20 (A3), Marie_21 (A3), Marius_22 (A3), MarysWell_15 (A5), Maverick_19 (A4), Maxo_19 (A4), Mayonnaise_19 (A4), Mazhar510_19 (A4), McFly_23 (A6), Medusa_19 (A4), MeeZee_19 (A4), MegTheThird_19 (A9), Melvin_19 (A4), Methuselah_20 (A3), Micasa_16 (A5), Microwolf_21 (A3), MiculUcigas_20 (A2), Midas2_16 (A5), Miko_23 (A2), Milcery_16 (A5), Millski_19 (A4), MinecraftSteve_23 (A15), Minispark_18 (A9), Miramae_19 (A4), Misomonster_23 (A3), MissWhite_20 (A2), MoneyMay_21 (A3), Montavir_20 (A3), Morpher26_19 (A4), Morrow_19 (A4), MuchMore_23 (A3), Mulciber_20 (A11), Munch_20 (A11), Mundrea_19 (A4), MyraDee_17 (A18), Myxus_21 (A9), NaSiaTalie_20 (A2), Naca_16 (A5), Naiad_15 (CA), Naji_23 (A2), Nancinator_15 (CA), Natosaleda_15 (CA), NearlyHeadless_16 (A8), Nebs_19 (A4), Nebulosus_22 (A15), Nedarya_21 (A15), Neeharika16_23 (A6), Newrala_23 (A6), NicoleTera_24

(A2), Noella_20 (A3), Noelle_19 (A4), Norbert_19 (A3), NorthStar_19 (A4), Northrop_19 (A4), NotAPhaseMom_19 (A4), NothingSpecial_22 (A2), Nyxis_19 (A4), OKCentral2016_19 (A10), OKaNui_20 (A4), Obama12_20 (A4), Odin_19 (A2), Ohfah_19 (A4), OlanP_21 (A3), Ollie_21 (A3), Onglai_20 (A9), Oofda_22 (A15), Orange_20 (A11), P28Green_21 (A3), PGHhamlin_23 (A3), PP_29 (A7), PackMan_21 (A9), PainterBoy_21 (A16), Palestino_19 (A4), Partridge_15 (CA), Pawn_21 (A3), PeaceMeal1_18 (A10), Peaches_19 (A4), Pembroke_21 (A3), Penny1_21 (A3), Perplexer_19 (A4), PeterPeter_19 (A4), Petersenfast_20 (A11), PetiteSangsue_19 (A4), PetterN_17 (A5), Ph8s_21 (A2), Phacado_19 (A4), Phaded_23 (A2), Phaeder_21 (A9), PhailMary_14 (CA), Phantastic_19 (A3), Pharaoh_20 (A12), Phelipe_19 (A4), Phighter1804_19 (A4), Phillis_16 (A8), PhishRPhriends_20 (A3), Phlei_15 (A13), Phlorence_16 (A5), Phoebe_21 (A3), Phonnegut_21 (A9), Phontbonne_19 (A4), Phoxy_21 (A3), Phrankenstein_15 (CA), Phranny_22 (A3), PickleBack_16 (A5), Pioneer_21 (A9), Pipcraft_19 (A4), Piro94_21 (A2), Pistachio_20 (A3), Pmask_23 (A6), Pocahontas_20 (A3), Polymorphads_19 (A4), Polyphemus_23 (A6), Pomar16_23 (A2), Poompha_18 (A10), Popcicle_20 (A3), PotatoSplit_22 (A3), Power_20 (A2), Prinashe11_16 (A5), Priya_21 (A9), Prudy_23 (A2), Pukovnik_22 (A2), Pumbaa_19 (A4), Puppy_20 (A3), PurpleHaze_21 (A3), Qobbit_21 (A9), QueenB2_20 (A2), QueenBeesly_20 (A2), QuinnKiro_19 (A3), Quokka_18 (A2), RER2_8 (CA), RGL3_8 (CA), Rachaly_23 (A2), Rahalelujah_19 (A9), Rasputin_15 (CA), Ravana_22 (A15), ReMo_22 (A15), Reba_22 (A3), Rebeuca_20 (A10), RedRock_23 (A2), Refuge_23 (A12), Relief_19 (A4), Remus_22 (A15), ResDef_20 (A3), Retro23_20 (A2), RexFury_15 (CA), Rhodalysa_15 (CA), RhynO_20 (A10), Rifter_23 (A6), Roary_16 (A8), RockieBear_19 (A4), Rocksand_19 (A4), Rockstar_19 (A3), Roimos_19 (A3), Roksolana_23 (A6), Romney_19 (A4), Roosevelt_19 (A4), Rosa24_18 (A4), Rosalind_22 (A15), Rowdy_22 (A10), Ruin_19 (A4), Rummer_21 (A3), RyeScarlet_21 (A9), Sabertooth_19 (A4), Sabia_21 (A3), Sabinator_21 (A3), Sachima_21 (A9), Saintus_16 (A8), Salz_20 (A11), Saskia_20 (A11), SaturnRing_19 (A3), Scamp_19 (A4), Scherzo_21 (A9), Scorpia_17 (A5), Scout_19 (A3), SemperFi_22 (A2), SenorClean_19 (A4), Serenity_19 (A2), Severus_18 (A10), Shaka_19 (A4), Sham4_20 (A11), Shapes_22 (A10), ShayRa_23 (A15), SheaKeira_20 (A9), Sheen_21 (A7), SheldonCooper_20 (A4), Shep_19 (A3), Shuman_15 (CA), Shygu2_19 (A4), Skadoosh_19 (A4), Skipitt_19 (A4), Sknot_20 (A2), Smeadley_16 (A8), Smeagan_22 (A2), SmellyB_23 (A6), SnapTap_20 (A2), Snape_20 (A11), Snickers_21 (A3), SoYo_21 (A3), SoilDragon_21 (A3), SororFago_19 (A14), Soshari_23 (A3), Soups_22 (A15), Sparxx_19 (A4), Spike509_21 (A3), Spino_19 (A4), Spouty_21 (A9), StCroix_15 (CA), Stagni_21 (A3), StarStuff_23 (A2), Stasia_20 (A4), SteMason_19 (A4), Steamy_21 (A12), StepMih_21 (A3), Stephig9_16 (A8), Stink_20 (A4), Strosahl_22 (A15), Sultana_19 (A4), Sunhee_19 (A14), SuperAwesome_23 (A6), SuperCallie99_23 (A6), Superchunk_19 (A2), Swann_15 (CA), SweetiePie_20 (A2), SwirlSquare_21 (A2), Swirley_16 (A5), Switzerland_22 (A15), SydNat_16 (A5), TNguyen7_19 (A3), TWAMP_15 (CA), Tailonex_16 (singleton), Takoda_15 (CA), Taquarus_19 (A4), TarsusIV_20 (A2), Tarynearal_15 (A5), Taurus_21 (A3), Temprado_23 (A6), Texage_19 (A3), Thanksgivukkah_19 (A4), Tiffany_21 (A3), Tiger_16 (A5), Timothy_20 (A11), Timshel_20 (A7), TinaFeyge_19 (A4), TinyPebbles_21 (A3), TinyTimmy_20 (A11), Tinybot_18 (A4), TipsytheTRex_19 (A2), TiroTheta9_19 (A4), Toaka_19 (A9), Todacoro_20 (A3), Tomathan_23 (A2), ToneTone_21 (A6), Topanga_19 (A10), Toro_22 (A7), Travvers_23 (A2), Trike_17 (A10), Tristan_21 (A2), Trixie_23 (A2), Trooper_20 (A2), TroyPia_19 (A4), Tubs_21 (A9), Tucker_23 (A6), Turbido_22 (A2), Twigg_16 (A5), Twister_19 (A10), TygerBlood_19 (A4), Ugenie5_18 (A9), UhSalsa_15 (CA), Ulysses_18 (A4), UnionJack_16 (A5), Updawg_22 (A2), VA6_20 (A2), VC3_23 (A2), Vanisoa_19 (A9), Veracruz_19 (A3), Vix_21 (A3),

VohminGhazi_23 (A6), Waits_22 (A15), WalterMcMickey_19 (A10), Wander_19 (A4), Warrior24_22 (A15), Watson_21 (A3), WeiHuaDA_25 (A2), Whabigail7_22 (A2), WideWale_22 (A2), Wiks_23 (A6), Wilbur_19 (A4), Wile_19 (A4), Wizard007_19 (A4), Wolpertinger_19 (A11), Wooldri_23 (A3), WorldCup_18 (A9), WunderPhul_23 (A6), Xena_19 (A4), XianYue_20 (A2), Yecey3_20 (A9), YoSam321_19 (A4), Yogi_15 (CA), Yokurt_23 (A6), Yoncess_15 (CA), Zaka_23 (A6), Zarafa_19 (A3), Zetzy_20 (A3), Zimmer_22 (A12), Zolita_15 (A5), Zulu_23 (A6),

Start 31:
• Found in 32 of 957 (3.3%) of genes in pham
• Manual Annotations of this start: 2 of 895
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Kimba_20 (A11), Mabel_20 (A11),

Start 32:
• Found in 308 of 957 (32.2%) of genes in pham
• Manual Annotations of this start: 1 of 895
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Nemo27_19 (A4),

Start 34:
• Found in 288 of 957 (30.1%) of genes in pham
• Manual Annotations of this start: 4 of 895
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Bigchungi_18 (A1), CartmannCramer_18 (A1), ChristmasHams_18 (A1), EnzoK_19 (A1), Iqorha_17 (A1), Tripl3t_19 (A1), Zeuska_19 (A1),

Start 37:
• Found in 250 of 957 (26.1%) of genes in pham
• Manual Annotations of this start: 1 of 895
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Agaliana_18 (A1), U2_18 (A1),

Start 39:
• Found in 88 of 957 (9.2%) of genes in pham
• Manual Annotations of this start: 1 of 895
• Called 1.1% of time when present
• Phage (with cluster) where this start called: Priamo_23 (A6),

Summary by clusters:

There are 24 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, CA, A20, A21, A22,

Info for manual annotations of cluster A1:
•Start number 21 was manually annotated 1 time for cluster A1.
•Start number 24 was manually annotated 5 times for cluster A1.
•Start number 27 was manually annotated 220 times for cluster A1.
•Start number 34 was manually annotated 4 times for cluster A1.
•Start number 37 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

•Start number 30 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 30 was manually annotated 26 times for cluster A11.
•Start number 31 was manually annotated 2 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 30 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 30 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 30 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 30 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 30 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 30 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 22 was manually annotated 1 time for cluster A2.
•Start number 30 was manually annotated 116 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 30 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 30 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 30 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 14 was manually annotated 1 time for cluster A3.
•Start number 30 was manually annotated 124 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 30 was manually annotated 143 times for cluster A4.
•Start number 32 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:
•Start number 14 was manually annotated 1 time for cluster A5.
•Start number 30 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 22 was manually annotated 1 time for cluster A6.

•Start number 30 was manually annotated 48 times for cluster A6.
•Start number 39 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:
•Start number 30 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 30 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 30 was manually annotated 46 times for cluster A9.

Info for manual annotations of cluster CA:
•Start number 30 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: 20ES_20 Start: 13951, Stop: 14319, Start Num: 30
Candidate Starts for 20ES_20:
(Start: 14 @13846 has 2 MA's), (Start: 22 @13903 has 2 MA's), (Start: 30 @13951 has 656 MA's), (38, 14008), (48, 14083), (55, 14161), (60, 14206),

Gene: 40AC_23 Start: 15977, Stop: 16345, Start Num: 30
Candidate Starts for 40AC_23:
(Start: 22 @15932 has 2 MA's), (Start: 30 @15977 has 656 MA's), (Start: 37 @16031 has 1 MA's), (55, 16187),

Gene: A6_16 Start: 12931, Stop: 13293, Start Num: 27
Candidate Starts for A6_16:
(Start: 21 @12886 has 1 MA's), (Start: 27 @12931 has 220 MA's), (Start: 34 @12976 has 4 MA's), (Start: 37 @12988 has 1 MA's), (50, 13105), (51, 13123), (55, 13144), (57, 13174), (63, 13195), (67, 13219), (77, 13276),

Gene: ACFishhook_21 Start: 13450, Stop: 13818, Start Num: 30
Candidate Starts for ACFishhook_21:
(13, 13360), (Start: 30 @13450 has 656 MA's), (Start: 32 @13486 has 1 MA's), (55, 13660), (78, 13804),

Gene: AFIS_18 Start: 13269, Stop: 13631, Start Num: 27
Candidate Starts for AFIS_18:
(Start: 21 @13224 has 1 MA's), (Start: 27 @13269 has 220 MA's), (Start: 34 @13314 has 4 MA's), (Start: 37 @13326 has 1 MA's), (50, 13443), (51, 13461), (55, 13482), (57, 13512), (63, 13533), (67, 13557), (77, 13614),

Gene: AN3_20 Start: 13941, Stop: 14309, Start Num: 30
Candidate Starts for AN3_20:
(Start: 14 @13836 has 2 MA's), (Start: 22 @13893 has 2 MA's), (Start: 30 @13941 has 656 MA's), (48, 14073), (55, 14151), (60, 14196),

Gene: AN9_23 Start: 13928, Stop: 14296, Start Num: 30
Candidate Starts for AN9_23:

(19, 13871), (Start: 30 @13928 has 656 MA's), (Start: 31 @13934 has 2 MA's), (Start: 32 @13964 has 1 MA's), (38, 13985), (55, 14138),

Gene: ANI8_23 Start: 13928, Stop: 14296, Start Num: 30
Candidate Starts for ANI8_23:
(19, 13871), (Start: 30 @13928 has 656 MA's), (Start: 31 @13934 has 2 MA's), (Start: 32 @13964 has 1 MA's), (38, 13985), (55, 14138),

Gene: AbbyPaige_22 Start: 14404, Stop: 14772, Start Num: 30
Candidate Starts for AbbyPaige_22:
(Start: 30 @14404 has 656 MA's), (38, 14461), (48, 14536), (55, 14614), (60, 14659),

Gene: AbbysRanger_19 Start: 13231, Stop: 13593, Start Num: 30
Candidate Starts for AbbysRanger_19:
(19, 13174), (Start: 30 @13231 has 656 MA's), (47, 13351), (52, 13426), (60, 13480), (65, 13507), (78, 13579),

Gene: Abbyshoes_19 Start: 13655, Stop: 14017, Start Num: 27
Candidate Starts for Abbyshoes_19:
(Start: 21 @13610 has 1 MA's), (Start: 27 @13655 has 220 MA's), (Start: 34 @13700 has 4 MA's), (Start: 37 @13712 has 1 MA's), (50, 13829), (51, 13847), (55, 13868), (57, 13898), (63, 13919), (67, 13943), (77, 14000),

Gene: Abdiel_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Abdiel_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (47, 13322), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Abrogate_190 Start: 14027, Stop: 14389, Start Num: 27
Candidate Starts for Abrogate_190:
(Start: 21 @13982 has 1 MA's), (Start: 27 @14027 has 220 MA's), (Start: 34 @14072 has 4 MA's), (Start: 37 @14084 has 1 MA's), (50, 14201), (51, 14219), (55, 14240), (57, 14270), (63, 14291), (67, 14315), (77, 14372),

Gene: Achebe_19 Start: 13210, Stop: 13572, Start Num: 30
Candidate Starts for Achebe_19:
(Start: 30 @13210 has 656 MA's), (40, 13267), (52, 13405), (60, 13459), (64, 13480), (78, 13558),

Gene: Acme_20 Start: 13705, Stop: 14067, Start Num: 27
Candidate Starts for Acme_20:
(Start: 21 @13660 has 1 MA's), (Start: 27 @13705 has 220 MA's), (Start: 34 @13750 has 4 MA's), (Start: 37 @13762 has 1 MA's), (50, 13879), (51, 13897), (55, 13918), (57, 13948), (63, 13969), (67, 13993), (77, 14050),

Gene: Acolyte_20 Start: 14072, Stop: 14440, Start Num: 30
Candidate Starts for Acolyte_20:
(Start: 14 @13967 has 2 MA's), (Start: 22 @14024 has 2 MA's), (Start: 30 @14072 has 656 MA's), (Start: 37 @14126 has 1 MA's), (55, 14282), (59, 14321),

Gene: Adahisdi_19 Start: 13587, Stop: 13949, Start Num: 27
Candidate Starts for Adahisdi_19:
(Start: 21 @13542 has 1 MA's), (Start: 27 @13587 has 220 MA's), (Start: 34 @13632 has 4 MA's), (Start: 37 @13644 has 1 MA's), (50, 13761), (51, 13779), (55, 13800), (56, 13827), (63, 13851), (67,

13875), (77, 13932),

Gene: Adzzy_21 Start: 12687, Stop: 13055, Start Num: 30
Candidate Starts for Adzzy_21:
(Start: 22 @12639 has 2 MA's), (Start: 30 @12687 has 656 MA's), (38, 12744), (48, 12819), (55, 12897),

Gene: Aeneas_20 Start: 13695, Stop: 14057, Start Num: 27
Candidate Starts for Aeneas_20:
(Start: 21 @13650 has 1 MA's), (Start: 27 @13695 has 220 MA's), (Start: 34 @13740 has 4 MA's), (Start: 37 @13752 has 1 MA's), (50, 13869), (51, 13887), (55, 13908), (57, 13938), (63, 13959), (67, 13983), (77, 14040),

Gene: Agaliana_18 Start: 13704, Stop: 14009, Start Num: 37
Candidate Starts for Agaliana_18:
(Start: 21 @13602 has 1 MA's), (Start: 27 @13647 has 220 MA's), (Start: 34 @13692 has 4 MA's), (Start: 37 @13704 has 1 MA's), (50, 13821), (51, 13839), (55, 13860), (57, 13890), (63, 13911), (67, 13935), (77, 13992),

Gene: Agape74_22 Start: 14404, Stop: 14772, Start Num: 30
Candidate Starts for Agape74_22:
(Start: 30 @14404 has 656 MA's), (38, 14461), (55, 14614), (60, 14659),

Gene: AgentM_16 Start: 12386, Stop: 12748, Start Num: 30
Candidate Starts for AgentM_16:
(Start: 30 @12386 has 656 MA's), (45, 12488), (67, 12674),

Gene: Aglet_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for Aglet_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: AgronaGT15_21 Start: 13203, Stop: 13571, Start Num: 30
Candidate Starts for AgronaGT15_21:
(13, 13113), (Start: 30 @13203 has 656 MA's), (Start: 32 @13239 has 1 MA's), (48, 13335), (55, 13413), (65, 13485), (78, 13557),

Gene: Airmid_16 Start: 12149, Stop: 12511, Start Num: 30
Candidate Starts for Airmid_16:
(20, 12083), (Start: 30 @12149 has 656 MA's), (Start: 32 @12179 has 1 MA's), (45, 12251), (59, 12392),

Gene: Ajay_18 Start: 13419, Stop: 13781, Start Num: 27
Candidate Starts for Ajay_18:
(Start: 21 @13374 has 1 MA's), (Start: 27 @13419 has 220 MA's), (Start: 34 @13464 has 4 MA's), (Start: 37 @13476 has 1 MA's), (50, 13593), (51, 13611), (55, 13632), (57, 13662), (63, 13683), (67, 13707), (77, 13764),

Gene: Alatin_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Alatin_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Albee_19 Start: 13205, Stop: 13567, Start Num: 30

Candidate Starts for Albee_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Alberto7_20 Start: 13507, Stop: 13869, Start Num: 30
Candidate Starts for Alberto7_20:
(Start: 30 @13507 has 656 MA's), (Start: 32 @13537 has 1 MA's), (52, 13702), (60, 13756), (65, 13783), (78, 13855),

Gene: Aldrich_19 Start: 14196, Stop: 14558, Start Num: 27
Candidate Starts for Aldrich_19:
(Start: 21 @14151 has 1 MA's), (Start: 27 @14196 has 220 MA's), (Start: 34 @14241 has 4 MA's), (Start: 37 @14253 has 1 MA's), (50, 14370), (51, 14388), (55, 14409), (57, 14439), (63, 14460), (77, 14541),

Gene: Aliter_21 Start: 14636, Stop: 15004, Start Num: 30
Candidate Starts for Aliter_21:
(Start: 14 @14531 has 2 MA's), (20, 14564), (Start: 22 @14588 has 2 MA's), (Start: 30 @14636 has 656 MA's), (Start: 34 @14678 has 4 MA's), (38, 14693), (47, 14762), (55, 14846),

Gene: Alma_21 Start: 14715, Stop: 15083, Start Num: 30
Candidate Starts for Alma_21:
(Start: 14 @14610 has 2 MA's), (20, 14643), (Start: 22 @14667 has 2 MA's), (Start: 30 @14715 has 656 MA's), (Start: 34 @14757 has 4 MA's), (38, 14772), (47, 14841), (55, 14925), (59, 14964),

Gene: Alpacados_14 Start: 9223, Stop: 9579, Start Num: 30
Candidate Starts for Alpacados_14:
(18, 9151), (Start: 30 @9223 has 656 MA's), (35, 9265), (38, 9274), (42, 9298), (55, 9430),

Gene: Alsfro_22 Start: 14139, Stop: 14501, Start Num: 27
Candidate Starts for Alsfro_22:
(Start: 21 @14094 has 1 MA's), (Start: 27 @14139 has 220 MA's), (Start: 34 @14184 has 4 MA's), (Start: 37 @14196 has 1 MA's), (50, 14313), (51, 14331), (55, 14352), (57, 14382), (67, 14427), (77, 14484),

Gene: Altman_20 Start: 14184, Stop: 14546, Start Num: 27
Candidate Starts for Altman_20:
(Start: 21 @14139 has 1 MA's), (Start: 27 @14184 has 220 MA's), (Start: 34 @14229 has 4 MA's), (Start: 37 @14241 has 1 MA's), (50, 14358), (51, 14376), (55, 14397), (57, 14427), (63, 14448), (67, 14472), (77, 14529),

Gene: Alvin_19 Start: 13905, Stop: 14267, Start Num: 27
Candidate Starts for Alvin_19:
(Start: 21 @13860 has 1 MA's), (Start: 27 @13905 has 220 MA's), (Start: 34 @13950 has 4 MA's), (Start: 37 @13962 has 1 MA's), (50, 14079), (51, 14097), (55, 14118), (57, 14148), (63, 14169), (67, 14193), (77, 14250),

Gene: Anaysia_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for Anaysia_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Aneem_20 Start: 14469, Stop: 14837, Start Num: 30

Candidate Starts for Aneem_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: Anglerfish_19 Start: 14567, Stop: 14929, Start Num: 27
Candidate Starts for Anglerfish_19:
(Start: 21 @14522 has 1 MA's), (Start: 27 @14567 has 220 MA's), (Start: 34 @14612 has 4 MA's), (Start: 37 @14624 has 1 MA's), (50, 14741), (51, 14759), (55, 14780), (57, 14810), (63, 14831), (67, 14855), (77, 14912),

Gene: AngryOrchard_14 Start: 9206, Stop: 9562, Start Num: 30
Candidate Starts for AngryOrchard_14:
(18, 9134), (Start: 30 @9206 has 656 MA's), (35, 9248), (38, 9257), (42, 9281), (52, 9404), (55, 9413), (61, 9458),

Gene: AnnaL29_23 Start: 15799, Stop: 16167, Start Num: 30
Candidate Starts for AnnaL29_23:
(Start: 22 @15748 has 2 MA's), (Start: 30 @15799 has 656 MA's), (48, 15931), (55, 16009),

Gene: Annyong_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Annyong_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: Anon_20 Start: 13377, Stop: 13745, Start Num: 30
Candidate Starts for Anon_20:
(19, 13275), (26, 13359), (Start: 30 @13377 has 656 MA's), (38, 13434), (55, 13587), (67, 13671), (73, 13704),

Gene: Anselm_20 Start: 14048, Stop: 14416, Start Num: 30
Candidate Starts for Anselm_20:
(Start: 14 @13943 has 2 MA's), (Start: 22 @14000 has 2 MA's), (Start: 30 @14048 has 656 MA's), (48, 14180), (55, 14258), (60, 14303),

Gene: Anthony_19 Start: 12097, Stop: 12465, Start Num: 30
Candidate Starts for Anthony_19:
(Start: 30 @12097 has 656 MA's), (43, 12181), (55, 12307), (74, 12427),

Gene: Anubis_23 Start: 13181, Stop: 13549, Start Num: 30
Candidate Starts for Anubis_23:
(13, 13091), (Start: 30 @13181 has 656 MA's), (Start: 32 @13217 has 1 MA's), (48, 13313), (55, 13391), (65, 13463), (78, 13535),

Gene: AppleCloud_13 Start: 8946, Stop: 9302, Start Num: 30
Candidate Starts for AppleCloud_13:
(18, 8874), (Start: 30 @8946 has 656 MA's), (35, 8988), (38, 8997), (42, 9021), (52, 9144), (55, 9153), (61, 9198),

Gene: Applejack_18 Start: 13344, Stop: 13706, Start Num: 27
Candidate Starts for Applejack_18:
(Start: 21 @13299 has 1 MA's), (Start: 27 @13344 has 220 MA's), (Start: 34 @13389 has 4 MA's), (Start: 37 @13401 has 1 MA's), (50, 13518), (51, 13536), (55, 13557), (57, 13587), (63, 13608), (67, 13632), (77, 13689),

Gene: Aragog_16 Start: 12416, Stop: 12778, Start Num: 30
Candidate Starts for Aragog_16:
(Start: 30 @12416 has 656 MA's), (45, 12518), (67, 12704),

Gene: Arcanine_19 Start: 13586, Stop: 13948, Start Num: 27
Candidate Starts for Arcanine_19:
(Start: 21 @13541 has 1 MA's), (Start: 27 @13586 has 220 MA's), (Start: 34 @13631 has 4 MA's), (Start: 37 @13643 has 1 MA's), (50, 13760), (51, 13778), (55, 13799), (57, 13829), (63, 13850), (67, 13874), (77, 13931),

Gene: ArcherNM_22 Start: 15742, Stop: 16110, Start Num: 30
Candidate Starts for ArcherNM_22:
(Start: 30 @15742 has 656 MA's), (Start: 39 @15802 has 1 MA's), (48, 15874), (55, 15952),

Gene: Archetta_16 Start: 12129, Stop: 12491, Start Num: 30
Candidate Starts for Archetta_16:
(Start: 30 @12129 has 656 MA's), (45, 12231), (67, 12417),

Gene: Arissanae_19 Start: 12808, Stop: 13176, Start Num: 30
Candidate Starts for Arissanae_19:
(Start: 30 @12808 has 656 MA's), (38, 12865), (46, 12925), (55, 13018),

Gene: Arlo_17 Start: 12965, Stop: 13327, Start Num: 27
Candidate Starts for Arlo_17:
(Start: 21 @12920 has 1 MA's), (Start: 27 @12965 has 220 MA's), (Start: 34 @13010 has 4 MA's), (Start: 37 @13022 has 1 MA's), (50, 13139), (51, 13157), (55, 13178), (57, 13208), (63, 13229), (67, 13253), (77, 13310),

Gene: Artemis2UCLA_23 Start: 13927, Stop: 14295, Start Num: 30
Candidate Starts for Artemis2UCLA_23:
(9, 13723), (Start: 30 @13927 has 656 MA's), (Start: 39 @13987 has 1 MA's), (55, 14137),

Gene: Arturo_18 Start: 13316, Stop: 13678, Start Num: 30
Candidate Starts for Arturo_18:
(Start: 30 @13316 has 656 MA's), (Start: 32 @13346 has 1 MA's), (52, 13511), (60, 13565), (65, 13592), (78, 13664),

Gene: Ashballer_17 Start: 13348, Stop: 13710, Start Num: 27
Candidate Starts for Ashballer_17:
(Start: 21 @13303 has 1 MA's), (Start: 27 @13348 has 220 MA's), (Start: 34 @13393 has 4 MA's), (Start: 37 @13405 has 1 MA's), (50, 13522), (51, 13540), (55, 13561), (57, 13591), (63, 13612), (67, 13636), (77, 13693),

Gene: Astro_16 Start: 11894, Stop: 12253, Start Num: 30
Candidate Starts for Astro_16:
(Start: 30 @11894 has 656 MA's), (Start: 32 @11930 has 1 MA's), (54, 12101),

Gene: Atkinbua_19 Start: 13319, Stop: 13681, Start Num: 27
Candidate Starts for Atkinbua_19:
(Start: 21 @13274 has 1 MA's), (Start: 27 @13319 has 220 MA's), (Start: 34 @13364 has 4 MA's), (Start: 37 @13376 has 1 MA's), (50, 13493), (51, 13511), (55, 13532), (57, 13562), (67, 13607), (77, 13664),

Gene: AugsMagnumOpus_23 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for AugsMagnumOpus_23:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: AvatarAhPeg_20 Start: 13495, Stop: 13857, Start Num: 30
Candidate Starts for AvatarAhPeg_20:
(Start: 30 @13495 has 656 MA's), (40, 13552), (47, 13615), (52, 13690), (60, 13744), (64, 13765), (78, 13843),

Gene: Avle17_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Avle17_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Ayanochan_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Ayanochan_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: B1_17 Start: 12498, Stop: 12860, Start Num: 30
Candidate Starts for B1_17:
(Start: 22 @12468 has 2 MA's), (Start: 30 @12498 has 656 MA's), (Start: 34 @12534 has 4 MA's), (60, 12747), (64, 12768), (78, 12846),

Gene: BABullseye_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for BABullseye_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: BK1_16 Start: 12931, Stop: 13293, Start Num: 27
Candidate Starts for BK1_16:
(Start: 21 @12886 has 1 MA's), (Start: 27 @12931 has 220 MA's), (Start: 34 @12976 has 4 MA's), (Start: 37 @12988 has 1 MA's), (50, 13105), (51, 13123), (55, 13144), (57, 13174), (63, 13195), (67, 13219), (77, 13276),

Gene: BPBiebs31_19 Start: 13611, Stop: 13973, Start Num: 27
Candidate Starts for BPBiebs31_19:
(Start: 21 @13566 has 1 MA's), (Start: 27 @13611 has 220 MA's), (Start: 34 @13656 has 4 MA's), (Start: 37 @13668 has 1 MA's), (50, 13785), (51, 13803), (55, 13824), (57, 13854), (67, 13899), (77, 13956),

Gene: Baby16_19 Start: 13214, Stop: 13576, Start Num: 30
Candidate Starts for Baby16_19:
(Start: 30 @13214 has 656 MA's), (Start: 32 @13244 has 1 MA's), (47, 13334), (52, 13409), (60, 13463), (65, 13490), (78, 13562),

Gene: BabyBack_22 Start: 15581, Stop: 15949, Start Num: 30
Candidate Starts for BabyBack_22:
(29, 15578), (Start: 30 @15581 has 656 MA's), (55, 15791),

Gene: BabyJohn_18 Start: 13085, Stop: 13447, Start Num: 30

Candidate Starts for BabyJohn_18:
(Start: 22 @13052 has 2 MA's), (Start: 30 @13085 has 656 MA's), (Start: 34 @13121 has 4 MA's), (60, 13334), (64, 13355), (78, 13433),

Gene: BabyRay_19 Start: 13071, Stop: 13451, Start Num: 30
Candidate Starts for BabyRay_19:
(Start: 22 @13041 has 2 MA's), (Start: 30 @13071 has 656 MA's), (Start: 34 @13107 has 4 MA's), (52, 13266), (60, 13320), (78, 13437),

Gene: Bachome_20 Start: 14466, Stop: 14834, Start Num: 30
Candidate Starts for Bachome_20:
(19, 14409), (20, 14415), (Start: 22 @14439 has 2 MA's), (Start: 30 @14466 has 656 MA's), (Start: 31 @14472 has 2 MA's), (48, 14598), (55, 14676), (72, 14787),

Gene: Backyardigan_19 Start: 13222, Stop: 13584, Start Num: 30
Candidate Starts for Backyardigan_19:
(Start: 30 @13222 has 656 MA's), (40, 13279), (52, 13417), (60, 13471), (64, 13492), (78, 13570),

Gene: BaconJack_20 Start: 13686, Stop: 14048, Start Num: 27
Candidate Starts for BaconJack_20:
(Start: 21 @13641 has 1 MA's), (Start: 27 @13686 has 220 MA's), (Start: 34 @13731 has 4 MA's), (Start: 37 @13743 has 1 MA's), (50, 13860), (51, 13878), (55, 13899), (56, 13926), (63, 13950), (67, 13974), (77, 14031),

Gene: Bactobuster_21 Start: 15673, Stop: 16041, Start Num: 30
Candidate Starts for Bactobuster_21:
(Start: 14 @15568 has 2 MA's), (Start: 22 @15625 has 2 MA's), (Start: 30 @15673 has 656 MA's), (38, 15730), (48, 15805), (55, 15883),

Gene: Badger_19 Start: 13211, Stop: 13573, Start Num: 30
Candidate Starts for Badger_19:
(Start: 30 @13211 has 656 MA's), (40, 13268), (52, 13406), (60, 13460), (64, 13481), (78, 13559),

Gene: Baehexic_21 Start: 14451, Stop: 14819, Start Num: 30
Candidate Starts for Baehexic_21:
(Start: 22 @14400 has 2 MA's), (Start: 30 @14451 has 656 MA's), (48, 14583), (55, 14661),

Gene: BangNhom_19 Start: 13517, Stop: 13879, Start Num: 30
Candidate Starts for BangNhom_19:
(Start: 30 @13517 has 656 MA's), (Start: 32 @13547 has 1 MA's), (52, 13712), (60, 13766), (65, 13793), (78, 13865),

Gene: Barriga_18 Start: 13214, Stop: 13576, Start Num: 27
Candidate Starts for Barriga_18:
(Start: 21 @13169 has 1 MA's), (Start: 27 @13214 has 220 MA's), (Start: 34 @13259 has 4 MA's), (Start: 37 @13271 has 1 MA's), (50, 13388), (51, 13406), (55, 13427), (57, 13457), (63, 13478), (67, 13502), (77, 13559),

Gene: BarrowTuph_17 Start: 13259, Stop: 13621, Start Num: 27
Candidate Starts for BarrowTuph_17:
(Start: 21 @13214 has 1 MA's), (Start: 27 @13259 has 220 MA's), (Start: 34 @13304 has 4 MA's), (Start: 37 @13316 has 1 MA's), (50, 13433), (51, 13451), (55, 13472), (56, 13499), (63, 13523), (67, 13547), (77, 13604),

Gene: Bartimeaus_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Bartimeaus_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Battleship_23 Start: 13163, Stop: 13531, Start Num: 30
Candidate Starts for Battleship_23:
(11, 12992), (15, 13019), (28, 13145), (Start: 30 @13163 has 656 MA's), (38, 13220), (Start: 39 @13223 has 1 MA's), (55, 13373), (67, 13457),

Gene: Beatrix_17 Start: 14063, Stop: 14425, Start Num: 27
Candidate Starts for Beatrix_17:
(Start: 21 @14018 has 1 MA's), (Start: 27 @14063 has 220 MA's), (Start: 34 @14108 has 4 MA's), (Start: 37 @14120 has 1 MA's), (50, 14237), (51, 14255), (55, 14276), (57, 14306), (63, 14327), (67, 14351), (77, 14408),

Gene: Beauxregard13_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for Beauxregard13_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Beemo_21 Start: 14742, Stop: 15110, Start Num: 30
Candidate Starts for Beemo_21:
(Start: 14 @14637 has 2 MA's), (20, 14670), (Start: 22 @14694 has 2 MA's), (Start: 30 @14742 has 656 MA's), (Start: 34 @14784 has 4 MA's), (38, 14799), (47, 14868), (55, 14952),

Gene: BeesKnees_19 Start: 13404, Stop: 13766, Start Num: 27
Candidate Starts for BeesKnees_19:
(Start: 21 @13359 has 1 MA's), (Start: 27 @13404 has 220 MA's), (Start: 34 @13449 has 4 MA's), (Start: 37 @13461 has 1 MA's), (50, 13578), (51, 13596), (55, 13617), (56, 13644), (63, 13668), (67, 13692), (77, 13749),

Gene: Belenaria_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Belenaria_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Bellris_19 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for Bellris_19:
(Start: 30 @12778 has 656 MA's), (38, 12835), (Start: 39 @12838 has 1 MA's), (55, 12988),

Gene: BellusTerra_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for BellusTerra_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Benedict_16 Start: 12151, Stop: 12513, Start Num: 30
Candidate Starts for Benedict_16:
(20, 12085), (Start: 30 @12151 has 656 MA's), (Start: 32 @12181 has 1 MA's), (45, 12253), (59, 12394),

Gene: BengiVuitton_21 Start: 14364, Stop: 14732, Start Num: 30
Candidate Starts for BengiVuitton_21:

(Start: 14 @14259 has 2 MA's), (Start: 22 @14316 has 2 MA's), (Start: 30 @14364 has 656 MA's), (48, 14496), (60, 14619),

Gene: BennyP_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for BennyP_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: Benvolio_20 Start: 14038, Stop: 14406, Start Num: 30
Candidate Starts for Benvolio_20:
(Start: 14 @13933 has 2 MA's), (Start: 22 @13990 has 2 MA's), (Start: 30 @14038 has 656 MA's), (38, 14095), (48, 14170), (55, 14248), (60, 14293),

Gene: Bethlehem_18 Start: 14641, Stop: 15003, Start Num: 27
Candidate Starts for Bethlehem_18:
(Start: 21 @14596 has 1 MA's), (Start: 27 @14641 has 220 MA's), (Start: 34 @14686 has 4 MA's), (Start: 37 @14698 has 1 MA's), (50, 14815), (51, 14833), (55, 14854), (57, 14884), (63, 14905), (67, 14929), (77, 14986),

Gene: Bexan_17 Start: 14349, Stop: 14711, Start Num: 27
Candidate Starts for Bexan_17:
(Start: 21 @14304 has 1 MA's), (Start: 27 @14349 has 220 MA's), (Start: 34 @14394 has 4 MA's), (Start: 37 @14406 has 1 MA's), (50, 14523), (51, 14541), (55, 14562), (56, 14589), (63, 14613), (67, 14637), (77, 14694),

Gene: BiancaTri92_22 Start: 15726, Stop: 16094, Start Num: 30
Candidate Starts for BiancaTri92_22:
(Start: 22 @15678 has 2 MA's), (Start: 30 @15726 has 656 MA's), (48, 15858), (55, 15936),

Gene: Big3_18 Start: 13995, Stop: 14357, Start Num: 27
Candidate Starts for Big3_18:
(Start: 21 @13950 has 1 MA's), (Start: 27 @13995 has 220 MA's), (Start: 34 @14040 has 4 MA's), (Start: 37 @14052 has 1 MA's), (50, 14169), (55, 14208), (56, 14235), (67, 14283), (78, 14343),

Gene: BigMau_20 Start: 13572, Stop: 13934, Start Num: 27
Candidate Starts for BigMau_20:
(Start: 21 @13527 has 1 MA's), (Start: 27 @13572 has 220 MA's), (Start: 34 @13617 has 4 MA's), (Start: 37 @13629 has 1 MA's), (50, 13746), (51, 13764), (55, 13785), (57, 13815), (63, 13836), (67, 13860), (77, 13917),

Gene: BigPaolini_19 Start: 13998, Stop: 14360, Start Num: 27
Candidate Starts for BigPaolini_19:
(Start: 21 @13953 has 1 MA's), (Start: 27 @13998 has 220 MA's), (Start: 34 @14043 has 4 MA's), (Start: 37 @14055 has 1 MA's), (50, 14172), (51, 14190), (55, 14211), (57, 14241), (63, 14262), (77, 14343),

Gene: Bigchungi_18 Start: 13417, Stop: 13734, Start Num: 34
Candidate Starts for Bigchungi_18:
(Start: 21 @13327 has 1 MA's), (Start: 27 @13372 has 220 MA's), (Start: 34 @13417 has 4 MA's), (Start: 37 @13429 has 1 MA's), (50, 13546), (51, 13564), (55, 13585), (57, 13615), (63, 13636), (67, 13660), (77, 13717),

Gene: Bigflo_21 Start: 13293, Stop: 13661, Start Num: 30

Candidate Starts for Bigflo_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Bigfoot_17 Start: 13100, Stop: 13462, Start Num: 27
Candidate Starts for Bigfoot_17:
(Start: 21 @13055 has 1 MA's), (Start: 27 @13100 has 220 MA's), (Start: 34 @13145 has 4 MA's), (Start: 37 @13157 has 1 MA's), (50, 13274), (51, 13292), (55, 13313), (57, 13343), (63, 13364), (67, 13388), (77, 13445),

Gene: BillKnuckles_19 Start: 14046, Stop: 14426, Start Num: 24
Candidate Starts for BillKnuckles_19:
(12, 13962), (16, 13983), (Start: 24 @14046 has 5 MA's), (Start: 34 @14109 has 4 MA's), (Start: 37 @14121 has 1 MA's), (50, 14238), (51, 14256), (55, 14277), (57, 14307), (63, 14328), (67, 14352),

Gene: Bircsak_18 Start: 13858, Stop: 14220, Start Num: 27
Candidate Starts for Bircsak_18:
(Start: 21 @13813 has 1 MA's), (Start: 27 @13858 has 220 MA's), (Start: 34 @13903 has 4 MA's), (Start: 37 @13915 has 1 MA's), (50, 14032), (51, 14050), (55, 14071), (57, 14101), (67, 14146), (77, 14203),

Gene: Blackflame_18 Start: 13381, Stop: 13743, Start Num: 27
Candidate Starts for Blackflame_18:
(Start: 21 @13336 has 1 MA's), (Start: 27 @13381 has 220 MA's), (Start: 34 @13426 has 4 MA's), (Start: 37 @13438 has 1 MA's), (50, 13555), (51, 13573), (55, 13594), (56, 13621), (63, 13645), (67, 13669), (77, 13726),

Gene: Blackmoor_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Blackmoor_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: BlessJoy_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for BlessJoy_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Blesser_18 Start: 13670, Stop: 14032, Start Num: 27
Candidate Starts for Blesser_18:
(Start: 21 @13625 has 1 MA's), (Start: 27 @13670 has 220 MA's), (Start: 34 @13715 has 4 MA's), (Start: 37 @13727 has 1 MA's), (50, 13844), (51, 13862), (55, 13883), (57, 13913), (63, 13934), (67, 13958), (77, 14015),

Gene: Blinn1_23 Start: 14082, Stop: 14450, Start Num: 30
Candidate Starts for Blinn1_23:
(Start: 22 @14037 has 2 MA's), (Start: 30 @14082 has 656 MA's), (48, 14214), (55, 14292),

Gene: BluSpix_18 Start: 13360, Stop: 13722, Start Num: 27
Candidate Starts for BluSpix_18:
(Start: 21 @13315 has 1 MA's), (Start: 27 @13360 has 220 MA's), (Start: 34 @13405 has 4 MA's), (Start: 37 @13417 has 1 MA's), (50, 13534), (51, 13552), (55, 13573), (57, 13603), (63, 13624), (67, 13648), (77, 13705),

Gene: Blue_18 Start: 13463, Stop: 13825, Start Num: 27
Candidate Starts for Blue_18:
(Start: 21 @13418 has 1 MA's), (Start: 27 @13463 has 220 MA's), (Start: 34 @13508 has 4 MA's), (Start: 37 @13520 has 1 MA's), (50, 13637), (51, 13655), (55, 13676), (57, 13706), (63, 13727), (67, 13751), (77, 13808),

Gene: Blue7_23 Start: 14017, Stop: 14385, Start Num: 30
Candidate Starts for Blue7_23:
(9, 13813), (Start: 30 @14017 has 656 MA's), (Start: 39 @14077 has 1 MA's), (55, 14227),

Gene: BlueBird_20 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for BlueBird_20:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: Bluefalcon_15 Start: 12386, Stop: 12748, Start Num: 30
Candidate Starts for Bluefalcon_15:
(Start: 30 @12386 has 656 MA's), (45, 12488), (67, 12674),

Gene: Bob3_17 Start: 12912, Stop: 13274, Start Num: 27
Candidate Starts for Bob3_17:
(Start: 21 @12867 has 1 MA's), (Start: 27 @12912 has 220 MA's), (Start: 34 @12957 has 4 MA's), (Start: 37 @12969 has 1 MA's), (50, 13086), (51, 13104), (55, 13125), (57, 13155), (63, 13176), (67, 13200), (77, 13257),

Gene: BobSwaget_23 Start: 15601, Stop: 15969, Start Num: 30
Candidate Starts for BobSwaget_23:
(19, 15514), (Start: 22 @15544 has 2 MA's), (Start: 30 @15601 has 656 MA's), (Start: 39 @15661 has 1 MA's), (48, 15733), (55, 15811),

Gene: BobbyDazzler_15 Start: 9332, Stop: 9688, Start Num: 30
Candidate Starts for BobbyDazzler_15:
(18, 9260), (Start: 30 @9332 has 656 MA's), (35, 9374), (38, 9383), (42, 9407), (52, 9530), (55, 9539),

Gene: BogosyJay_21 Start: 14462, Stop: 14830, Start Num: 30
Candidate Starts for BogosyJay_21:
(Start: 30 @14462 has 656 MA's), (38, 14519), (47, 14588), (55, 14672),

Gene: Bombshell_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Bombshell_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Bonamassa_16 Start: 12311, Stop: 12673, Start Num: 30
Candidate Starts for Bonamassa_16:
(Start: 14 @12212 has 2 MA's), (20, 12245), (Start: 30 @12311 has 656 MA's), (Start: 32 @12341 has 1 MA's), (45, 12413), (59, 12554),

Gene: Bonanza_15 Start: 9261, Stop: 9617, Start Num: 30
Candidate Starts for Bonanza_15:
(18, 9189), (Start: 30 @9261 has 656 MA's), (35, 9303), (38, 9312), (42, 9336), (55, 9468),

Gene: Bones_18 Start: 13101, Stop: 13463, Start Num: 27

Candidate Starts for Bones_18:
(Start: 21 @13056 has 1 MA's), (Start: 27 @13101 has 220 MA's), (Start: 34 @13146 has 4 MA's), (Start: 37 @13158 has 1 MA's), (50, 13275), (51, 13293), (55, 13314), (57, 13344), (63, 13365), (67, 13389), (77, 13446),

Gene: Boohoo_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for Boohoo_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Bowtie_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Bowtie_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: Bradman_19 Start: 12861, Stop: 13229, Start Num: 30
Candidate Starts for Bradman_19:
(12, 12735), (19, 12780), (20, 12786), (Start: 22 @12810 has 2 MA's), (Start: 30 @12861 has 656 MA's), (38, 12918), (55, 13071),

Gene: Bradshaw_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Bradshaw_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: BreSam8_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for BreSam8_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Briton15_20 Start: 13661, Stop: 14023, Start Num: 27
Candidate Starts for Briton15_20:
(Start: 21 @13616 has 1 MA's), (Start: 27 @13661 has 220 MA's), (Start: 34 @13706 has 4 MA's), (Start: 37 @13718 has 1 MA's), (50, 13835), (51, 13853), (55, 13874), (57, 13904), (63, 13925), (67, 13949), (77, 14006),

Gene: Broseidon_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Broseidon_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Bruiser_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Bruiser_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Bruns_17 Start: 13284, Stop: 13646, Start Num: 27
Candidate Starts for Bruns_17:
(Start: 21 @13239 has 1 MA's), (Start: 27 @13284 has 220 MA's), (Start: 34 @13329 has 4 MA's), (Start: 37 @13341 has 1 MA's), (50, 13458), (51, 13476), (55, 13497), (57, 13527), (63, 13548), (67, 13572), (77, 13629),

Gene: Bryce_15 Start: 9261, Stop: 9617, Start Num: 30
Candidate Starts for Bryce_15:

(18, 9189), (Start: 30 @9261 has 656 MA's), (35, 9303), (38, 9312), (42, 9336), (55, 9468),

Gene: BubbleTrouble_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for BubbleTrouble_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Buckaroo_18 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for Buckaroo_18:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: Bud_20 Start: 14475, Stop: 14843, Start Num: 30
Candidate Starts for Bud_20:
(19, 14418), (20, 14424), (Start: 22 @14448 has 2 MA's), (Start: 30 @14475 has 656 MA's), (Start: 31 @14481 has 2 MA's), (48, 14607), (55, 14685), (72, 14796),

Gene: Bugatti_20 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for Bugatti_20:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: Bugsy_22 Start: 14403, Stop: 14771, Start Num: 30
Candidate Starts for Bugsy_22:
(Start: 30 @14403 has 656 MA's), (38, 14460), (48, 14535), (55, 14613), (60, 14658),

Gene: Bumblebee11_19 Start: 13213, Stop: 13575, Start Num: 30
Candidate Starts for Bumblebee11_19:
(17, 13135), (19, 13156), (Start: 30 @13213 has 656 MA's), (40, 13270), (60, 13462), (64, 13483), (78, 13561),

Gene: Burger_18 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Burger_18:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Burton_19 Start: 13482, Stop: 13844, Start Num: 27
Candidate Starts for Burton_19:
(Start: 21 @13437 has 1 MA's), (Start: 27 @13482 has 220 MA's), (Start: 34 @13527 has 4 MA's), (Start: 37 @13539 has 1 MA's), (50, 13656), (51, 13674), (55, 13695), (57, 13725), (63, 13746), (67, 13770), (77, 13827),

Gene: Buttons_19 Start: 13846, Stop: 14208, Start Num: 27
Candidate Starts for Buttons_19:
(Start: 21 @13801 has 1 MA's), (Start: 27 @13846 has 220 MA's), (Start: 34 @13891 has 4 MA's), (Start: 37 @13903 has 1 MA's), (50, 14020), (51, 14038), (55, 14059), (57, 14089), (63, 14110), (77, 14191),

Gene: BuzzBuzz_20 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for BuzzBuzz_20:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: Bxb1_16 Start: 13415, Stop: 13795, Start Num: 24
Candidate Starts for Bxb1_16:
(12, 13331), (16, 13352), (Start: 24 @13415 has 5 MA's), (Start: 34 @13478 has 4 MA's), (Start: 37 @13490 has 1 MA's), (50, 13607), (51, 13625), (55, 13646), (57, 13676), (63, 13697), (67, 13721),

Gene: Bxz2_20 Start: 13389, Stop: 13757, Start Num: 30
Candidate Starts for Bxz2_20:
(13, 13299), (Start: 30 @13389 has 656 MA's), (Start: 32 @13425 has 1 MA's), (48, 13521), (55, 13599), (65, 13671), (78, 13743),

Gene: C3_18 Start: 13928, Stop: 14296, Start Num: 30
Candidate Starts for C3_18:
(19, 13871), (Start: 30 @13928 has 656 MA's), (Start: 31 @13934 has 2 MA's), (Start: 32 @13964 has 1 MA's), (38, 13985), (55, 14138),

Gene: CRB1_20 Start: 13923, Stop: 14291, Start Num: 30
Candidate Starts for CRB1_20:
(19, 13845), (Start: 22 @13875 has 2 MA's), (Start: 30 @13923 has 656 MA's), (38, 13980), (48, 14055), (55, 14133),

Gene: CactusRose_17 Start: 13099, Stop: 13461, Start Num: 27
Candidate Starts for CactusRose_17:
(Start: 21 @13054 has 1 MA's), (Start: 27 @13099 has 220 MA's), (Start: 34 @13144 has 4 MA's), (Start: 37 @13156 has 1 MA's), (50, 13273), (51, 13291), (55, 13312), (56, 13339), (63, 13363), (67, 13387), (77, 13444),

Gene: Caelakin_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Caelakin_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Caitlin_16 Start: 11891, Stop: 12250, Start Num: 30
Candidate Starts for Caitlin_16:
(Start: 30 @11891 has 656 MA's), (Start: 32 @11927 has 1 MA's), (54, 12098),

Gene: Calvinny_21 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Calvinny_21:
(Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Camperdownii_18 Start: 12824, Stop: 13186, Start Num: 30
Candidate Starts for Camperdownii_18:
(Start: 30 @12824 has 656 MA's), (Start: 32 @12854 has 1 MA's), (52, 13019), (60, 13073), (65, 13100), (78, 13172),

Gene: Candra_23 Start: 14083, Stop: 14451, Start Num: 30
Candidate Starts for Candra_23:
(Start: 22 @14038 has 2 MA's), (Start: 30 @14083 has 656 MA's), (38, 14140), (Start: 39 @14143 has 1 MA's), (48, 14215), (55, 14293),

Gene: Caraxes_19 Start: 12587, Stop: 12955, Start Num: 30
Candidate Starts for Caraxes_19:

(Start: 14 @12482 has 2 MA's), (Start: 22 @12539 has 2 MA's), (Start: 30 @12587 has 656 MA's), (38, 12644), (55, 12797),

Gene: Carlyle_20 Start: 14228, Stop: 14590, Start Num: 27
Candidate Starts for Carlyle_20:
(Start: 21 @14183 has 1 MA's), (Start: 27 @14228 has 220 MA's), (Start: 34 @14273 has 4 MA's), (Start: 37 @14285 has 1 MA's), (50, 14402), (51, 14420), (55, 14441), (57, 14471), (63, 14492), (77, 14573),

Gene: CartmannCramer_18 Start: 15241, Stop: 15558, Start Num: 34
Candidate Starts for CartmannCramer_18:
(Start: 21 @15151 has 1 MA's), (Start: 27 @15196 has 220 MA's), (Start: 34 @15241 has 4 MA's), (Start: 37 @15253 has 1 MA's), (50, 15370), (51, 15388), (55, 15409), (57, 15439), (63, 15460), (67, 15484), (77, 15541),

Gene: CatBus_19 Start: 14388, Stop: 14750, Start Num: 27
Candidate Starts for CatBus_19:
(Start: 21 @14343 has 1 MA's), (Start: 27 @14388 has 220 MA's), (Start: 34 @14433 has 4 MA's), (Start: 37 @14445 has 1 MA's), (50, 14562), (51, 14580), (55, 14601), (57, 14631), (63, 14652), (77, 14733),

Gene: Cat_17 Start: 12690, Stop: 13070, Start Num: 30
Candidate Starts for Cat_17:
(Start: 22 @12660 has 2 MA's), (Start: 30 @12690 has 656 MA's), (Start: 34 @12726 has 4 MA's), (52, 12885), (60, 12939), (78, 13056),

Gene: Catalina_21 Start: 14709, Stop: 15077, Start Num: 30
Candidate Starts for Catalina_21:
(Start: 14 @14604 has 2 MA's), (20, 14637), (Start: 22 @14661 has 2 MA's), (Start: 30 @14709 has 656 MA's), (Start: 34 @14751 has 4 MA's), (38, 14766), (47, 14835), (55, 14919),

Gene: Caviar_20 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Caviar_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Celestialunch_19 Start: 12878, Stop: 13246, Start Num: 30
Candidate Starts for Celestialunch_19:
(Start: 30 @12878 has 656 MA's), (Start: 34 @12920 has 4 MA's), (38, 12935), (55, 13088),

Gene: Centaur_22 Start: 14429, Stop: 14797, Start Num: 30
Candidate Starts for Centaur_22:
(Start: 22 @14378 has 2 MA's), (Start: 30 @14429 has 656 MA's), (48, 14561), (55, 14639),

Gene: CentreCat_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for CentreCat_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: Cerulean_20 Start: 13518, Stop: 13880, Start Num: 30
Candidate Starts for Cerulean_20:
(Start: 30 @13518 has 656 MA's), (Start: 32 @13548 has 1 MA's), (52, 13713), (60, 13767), (65, 13794), (78, 13866),

Gene: Chadwick_17 Start: 12119, Stop: 12481, Start Num: 30
Candidate Starts for Chadwick_17:
(20, 12053), (Start: 30 @12119 has 656 MA's), (Start: 32 @12149 has 1 MA's), (45, 12221), (59, 12362),

Gene: ChampagnePapi_20 Start: 13517, Stop: 13879, Start Num: 30
Candidate Starts for ChampagnePapi_20:
(Start: 30 @13517 has 656 MA's), (Start: 32 @13547 has 1 MA's), (52, 13712), (60, 13766), (65, 13793), (78, 13865),

Gene: Chanagan_17 Start: 12938, Stop: 13300, Start Num: 27
Candidate Starts for Chanagan_17:
(Start: 21 @12893 has 1 MA's), (Start: 27 @12938 has 220 MA's), (Start: 34 @12983 has 4 MA's), (Start: 37 @12995 has 1 MA's), (50, 13112), (51, 13130), (55, 13151), (57, 13181), (63, 13202), (67, 13226), (77, 13283),

Gene: Changeling_23 Start: 15794, Stop: 16162, Start Num: 30
Candidate Starts for Changeling_23:
(Start: 22 @15743 has 2 MA's), (Start: 30 @15794 has 656 MA's), (48, 15926), (55, 16004),

Gene: Chaph_19 Start: 13214, Stop: 13576, Start Num: 30
Candidate Starts for Chaph_19:
(Start: 30 @13214 has 656 MA's), (Start: 32 @13244 has 1 MA's), (52, 13409), (60, 13463), (65, 13490), (78, 13562),

Gene: Chargerpower_20 Start: 13171, Stop: 13539, Start Num: 30
Candidate Starts for Chargerpower_20:
(19, 13087), (Start: 22 @13117 has 2 MA's), (Start: 30 @13171 has 656 MA's), (Start: 39 @13231 has 1 MA's), (48, 13303), (55, 13381),

Gene: Charm_20 Start: 12890, Stop: 13258, Start Num: 30
Candidate Starts for Charm_20:
(Start: 30 @12890 has 656 MA's), (38, 12947), (55, 13100), (59, 13139),

Gene: Chartreuse_23 Start: 13996, Stop: 14364, Start Num: 30
Candidate Starts for Chartreuse_23:
(Start: 22 @13951 has 2 MA's), (Start: 30 @13996 has 656 MA's), (Start: 39 @14056 has 1 MA's), (48, 14128), (55, 14206),

Gene: Che12_22 Start: 12853, Stop: 13221, Start Num: 30
Candidate Starts for Che12_22:
(Start: 22 @12805 has 2 MA's), (Start: 30 @12853 has 656 MA's), (38, 12910), (48, 12985), (55, 13063),

Gene: ChipMunk_22 Start: 14336, Stop: 14704, Start Num: 30
Candidate Starts for ChipMunk_22:
(Start: 14 @14231 has 2 MA's), (Start: 22 @14288 has 2 MA's), (Start: 30 @14336 has 656 MA's), (48, 14468), (55, 14546), (60, 14591),

Gene: Chiqui_18 Start: 13085, Stop: 13447, Start Num: 30
Candidate Starts for Chiqui_18:

(Start: 22 @13052 has 2 MA's), (Start: 30 @13085 has 656 MA's), (Start: 34 @13121 has 4 MA's), (60, 13334), (64, 13355), (78, 13433),

Gene: ChristmasHams_18 Start: 13451, Stop: 13768, Start Num: 34
Candidate Starts for ChristmasHams_18:
(Start: 21 @13361 has 1 MA's), (Start: 27 @13406 has 220 MA's), (Start: 34 @13451 has 4 MA's), (Start: 37 @13463 has 1 MA's), (50, 13580), (51, 13598), (55, 13619), (57, 13649), (67, 13694), (77, 13751),

Gene: Chupacabra_19 Start: 12984, Stop: 13346, Start Num: 30
Candidate Starts for Chupacabra_19:
(17, 12903), (Start: 30 @12984 has 656 MA's), (58, 13224), (60, 13233), (65, 13260), (78, 13332),

Gene: Ciao_18 Start: 13325, Stop: 13687, Start Num: 27
Candidate Starts for Ciao_18:
(Start: 21 @13280 has 1 MA's), (Start: 27 @13325 has 220 MA's), (Start: 34 @13370 has 4 MA's), (Start: 37 @13382 has 1 MA's), (50, 13499), (51, 13517), (55, 13538), (57, 13568), (63, 13589), (67, 13613), (77, 13670),

Gene: Cici_19 Start: 13204, Stop: 13566, Start Num: 30
Candidate Starts for Cici_19:
(19, 13147), (Start: 30 @13204 has 656 MA's), (47, 13324), (52, 13399), (60, 13453), (64, 13474), (78, 13552),

Gene: Cindaradix_18 Start: 12938, Stop: 13300, Start Num: 30
Candidate Starts for Cindaradix_18:
(Start: 30 @12938 has 656 MA's), (40, 12995), (47, 13058), (52, 13133), (60, 13187), (64, 13208), (78, 13286),

Gene: Cintron_19 Start: 13253, Stop: 13615, Start Num: 30
Candidate Starts for Cintron_19:
(Start: 30 @13253 has 656 MA's), (Start: 32 @13283 has 1 MA's), (52, 13448), (60, 13502), (65, 13529), (78, 13601),

Gene: Citius_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Citius_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Clammy_20 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for Clammy_20:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: Clarenza_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Clarenza_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: CloudWang3_23 Start: 14027, Stop: 14395, Start Num: 30
Candidate Starts for CloudWang3_23:
(9, 13823), (Start: 30 @14027 has 656 MA's), (Start: 39 @14087 has 1 MA's), (48, 14159), (55, 14237),

Gene: ClownCar_21 Start: 13361, Stop: 13729, Start Num: 30
Candidate Starts for ClownCar_21:
(13, 13271), (Start: 30 @13361 has 656 MA's), (Start: 32 @13397 has 1 MA's), (55, 13571), (78, 13715),

Gene: Cocoaberry_19 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for Cocoaberry_19:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: CogOmlette_18 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for CogOmlette_18:
(Start: 30 @12778 has 656 MA's), (38, 12835), (Start: 39 @12838 has 1 MA's), (55, 12988),

Gene: Colbster_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for Colbster_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Colin_23 Start: 15633, Stop: 16001, Start Num: 30
Candidate Starts for Colin_23:
(20, 15558), (Start: 22 @15582 has 2 MA's), (Start: 30 @15633 has 656 MA's), (48, 15765), (55, 15843),

Gene: Commander_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Commander_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: ConceptII_19 Start: 13820, Stop: 14182, Start Num: 27
Candidate Starts for ConceptII_19:
(Start: 21 @13775 has 1 MA's), (Start: 27 @13820 has 220 MA's), (Start: 34 @13865 has 4 MA's), (Start: 37 @13877 has 1 MA's), (50, 13994), (51, 14012), (55, 14033), (57, 14063), (63, 14084), (67, 14108), (77, 14165),

Gene: Connomayer_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Connomayer_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Conquerage_21 Start: 14738, Stop: 15106, Start Num: 30
Candidate Starts for Conquerage_21:
(Start: 14 @14633 has 2 MA's), (20, 14666), (Start: 22 @14690 has 2 MA's), (Start: 30 @14738 has 656 MA's), (Start: 34 @14780 has 4 MA's), (38, 14795), (47, 14864), (55, 14948), (59, 14987),

Gene: Conspiracy_16 Start: 12135, Stop: 12497, Start Num: 30
Candidate Starts for Conspiracy_16:
(Start: 14 @12036 has 2 MA's), (20, 12069), (Start: 30 @12135 has 656 MA's), (Start: 32 @12165 has 1 MA's), (45, 12237), (49, 12264), (59, 12378),

Gene: Coog_16 Start: 12279, Stop: 12641, Start Num: 30
Candidate Starts for Coog_16:

(Start: 14 @12180 has 2 MA's), (20, 12213), (Start: 30 @12279 has 656 MA's), (Start: 32 @12309 has 1 MA's), (45, 12381), (59, 12522),

Gene: Cookiedough_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for Cookiedough_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Corvo_18 Start: 13817, Stop: 14179, Start Num: 27
Candidate Starts for Corvo_18:
(Start: 21 @13772 has 1 MA's), (Start: 27 @13817 has 220 MA's), (Start: 34 @13862 has 4 MA's), (Start: 37 @13874 has 1 MA's), (50, 13991), (51, 14009), (55, 14030), (57, 14060), (63, 14081), (77, 14162),

Gene: CosmicSans_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for CosmicSans_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Crispicous1_17 Start: 12809, Stop: 13171, Start Num: 27
Candidate Starts for Crispicous1_17:
(Start: 21 @12764 has 1 MA's), (Start: 27 @12809 has 220 MA's), (Start: 34 @12854 has 4 MA's), (Start: 37 @12866 has 1 MA's), (50, 12983), (51, 13001), (55, 13022), (57, 13052), (63, 13073), (67, 13097), (77, 13154),

Gene: Croquant_22 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Croquant_22:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Crucio_20 Start: 13883, Stop: 14251, Start Num: 30
Candidate Starts for Crucio_20:
(Start: 14 @13778 has 2 MA's), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (48, 14015), (55, 14093),

Gene: Cuco_16 Start: 12310, Stop: 12672, Start Num: 30
Candidate Starts for Cuco_16:
(Start: 14 @12211 has 2 MA's), (20, 12244), (Start: 30 @12310 has 656 MA's), (Start: 32 @12340 has 1 MA's), (45, 12412), (59, 12553),

Gene: Cueylyss_18 Start: 13510, Stop: 13872, Start Num: 27
Candidate Starts for Cueylyss_18:
(Start: 21 @13465 has 1 MA's), (Start: 27 @13510 has 220 MA's), (Start: 34 @13555 has 4 MA's), (Start: 37 @13567 has 1 MA's), (50, 13684), (51, 13702), (55, 13723), (57, 13753), (63, 13774), (67, 13798), (77, 13855),

Gene: Cullens_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Cullens_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: D29_20 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for D29_20:

(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: D32_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for D32_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: DBQu4n_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for DBQu4n_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: DD5_19 Start: 14059, Stop: 14421, Start Num: 27
Candidate Starts for DD5_19:
(Start: 21 @14014 has 1 MA's), (Start: 27 @14059 has 220 MA's), (Start: 34 @14104 has 4 MA's), (Start: 37 @14116 has 1 MA's), (50, 14233), (51, 14251), (55, 14272), (57, 14302), (63, 14323), (67, 14347), (77, 14404),

Gene: DaHudson_21 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for DaHudson_21:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: DaVinci_23 Start: 14050, Stop: 14418, Start Num: 30
Candidate Starts for DaVinci_23:
(Start: 22 @14005 has 2 MA's), (Start: 30 @14050 has 656 MA's), (Start: 39 @14110 has 1 MA's), (48, 14182), (55, 14260),

Gene: Daishi_20 Start: 12220, Stop: 12588, Start Num: 30
Candidate Starts for Daishi_20:
(13, 12130), (Start: 30 @12220 has 656 MA's), (Start: 32 @12256 has 1 MA's), (48, 12352), (55, 12430), (65, 12502), (78, 12574),

Gene: Dalmatian_20 Start: 14033, Stop: 14401, Start Num: 30
Candidate Starts for Dalmatian_20:
(Start: 14 @13928 has 2 MA's), (Start: 22 @13985 has 2 MA's), (Start: 30 @14033 has 656 MA's), (38, 14090), (48, 14165), (55, 14243),

Gene: Danforth_15 Start: 11873, Stop: 12232, Start Num: 30
Candidate Starts for Danforth_15:
(Start: 30 @11873 has 656 MA's), (Start: 32 @11909 has 1 MA's), (38, 11930), (54, 12080),

Gene: Darrell_22 Start: 14900, Stop: 15268, Start Num: 30
Candidate Starts for Darrell_22:
(Start: 14 @14795 has 2 MA's), (20, 14828), (Start: 22 @14852 has 2 MA's), (Start: 30 @14900 has 656 MA's), (38, 14957), (47, 15026), (55, 15110),

Gene: DarthPhader_21 Start: 14884, Stop: 15252, Start Num: 30
Candidate Starts for DarthPhader_21:
(Start: 14 @14770 has 2 MA's), (19, 14797), (Start: 22 @14827 has 2 MA's), (Start: 30 @14884 has 656 MA's), (48, 15016), (55, 15094), (60, 15139),

Gene: Datway_19 Start: 13222, Stop: 13584, Start Num: 30
Candidate Starts for Datway_19:
(Start: 30 @13222 has 656 MA's), (40, 13279), (52, 13417), (60, 13471), (64, 13492), (78, 13570),

Gene: Deano_19 Start: 13213, Stop: 13575, Start Num: 30
Candidate Starts for Deano_19:
(Start: 30 @13213 has 656 MA's), (Start: 32 @13243 has 1 MA's), (52, 13408), (60, 13462), (65, 13489), (78, 13561),

Gene: DeerParkTS_21 Start: 13997, Stop: 14383, Start Num: 30
Candidate Starts for DeerParkTS_21:
(Start: 14 @13892 has 2 MA's), (Start: 22 @13949 has 2 MA's), (Start: 30 @13997 has 656 MA's), (55, 14207), (58, 14243),

Gene: DekHockey33_22 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for DekHockey33_22:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: Deloris_21 Start: 14364, Stop: 14732, Start Num: 30
Candidate Starts for Deloris_21:
(Start: 14 @14259 has 2 MA's), (Start: 22 @14316 has 2 MA's), (Start: 30 @14364 has 656 MA's), (48, 14496), (60, 14619),

Gene: DelvinSonDorr_22 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for DelvinSonDorr_22:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Dexes_19 Start: 14025, Stop: 14387, Start Num: 27
Candidate Starts for Dexes_19:
(Start: 21 @13980 has 1 MA's), (Start: 27 @14025 has 220 MA's), (Start: 34 @14070 has 4 MA's), (Start: 37 @14082 has 1 MA's), (50, 14199), (51, 14217), (55, 14238), (57, 14268), (63, 14289), (67, 14313), (77, 14370),

Gene: Dhanush_19 Start: 13208, Stop: 13570, Start Num: 30
Candidate Starts for Dhanush_19:
(Start: 30 @13208 has 656 MA's), (Start: 32 @13238 has 1 MA's), (52, 13403), (60, 13457), (65, 13484), (78, 13556),

Gene: Dieselweasel_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for Dieselweasel_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: Dignity_22 Start: 14348, Stop: 14716, Start Num: 30
Candidate Starts for Dignity_22:
(Start: 30 @14348 has 656 MA's), (48, 14480), (55, 14558), (60, 14603),

Gene: Dinger_15 Start: 9257, Stop: 9613, Start Num: 30
Candidate Starts for Dinger_15:
(18, 9185), (Start: 30 @9257 has 656 MA's), (35, 9299), (38, 9308), (42, 9332), (52, 9455), (55, 9464), (61, 9509),

Gene: DirtDevil_19 Start: 14196, Stop: 14558, Start Num: 27
Candidate Starts for DirtDevil_19:
(Start: 21 @14151 has 1 MA's), (Start: 27 @14196 has 220 MA's), (Start: 34 @14241 has 4 MA's), (Start: 37 @14253 has 1 MA's), (50, 14370), (51, 14388), (55, 14409), (57, 14439), (63, 14460), (77, 14541),

Gene: DirtyDunning_19 Start: 13201, Stop: 13563, Start Num: 30
Candidate Starts for DirtyDunning_19:
(Start: 30 @13201 has 656 MA's), (Start: 32 @13231 has 1 MA's), (52, 13396), (60, 13450), (65, 13477), (78, 13549),

Gene: Discoknowium_16 Start: 12425, Stop: 12787, Start Num: 30
Candidate Starts for Discoknowium_16:
(Start: 14 @12326 has 2 MA's), (20, 12359), (Start: 30 @12425 has 656 MA's), (Start: 32 @12455 has 1 MA's), (45, 12527), (49, 12554), (59, 12668),

Gene: Dixon_16 Start: 11892, Stop: 12251, Start Num: 30
Candidate Starts for Dixon_16:
(Start: 30 @11892 has 656 MA's), (Start: 32 @11928 has 1 MA's), (38, 11949), (54, 12099),

Gene: DontArgue_18 Start: 11242, Stop: 11604, Start Num: 30
Candidate Starts for DontArgue_18:
(17, 11161), (Start: 30 @11242 has 656 MA's), (33, 11275), (36, 11287), (48, 11368), (54, 11443), (60, 11491), (65, 11518), (78, 11590),

Gene: Doom_19 Start: 14083, Stop: 14445, Start Num: 27
Candidate Starts for Doom_19:
(Start: 21 @14038 has 1 MA's), (Start: 27 @14083 has 220 MA's), (Start: 34 @14128 has 4 MA's), (Start: 37 @14140 has 1 MA's), (50, 14257), (51, 14275), (55, 14296), (56, 14323), (63, 14347), (67, 14371), (77, 14428),

Gene: Dorothea_23 Start: 14051, Stop: 14419, Start Num: 30
Candidate Starts for Dorothea_23:
(Start: 22 @14006 has 2 MA's), (Start: 30 @14051 has 656 MA's), (38, 14108), (Start: 39 @14111 has 1 MA's), (48, 14183), (55, 14261),

Gene: DrFeelGood_17 Start: 13435, Stop: 13797, Start Num: 27
Candidate Starts for DrFeelGood_17:
(Start: 21 @13390 has 1 MA's), (Start: 27 @13435 has 220 MA's), (Start: 34 @13480 has 4 MA's), (Start: 37 @13492 has 1 MA's), (50, 13609), (51, 13627), (55, 13648), (57, 13678), (63, 13699), (67, 13723), (77, 13780),

Gene: Drake55_22 Start: 14447, Stop: 14815, Start Num: 30
Candidate Starts for Drake55_22:
(Start: 22 @14396 has 2 MA's), (Start: 30 @14447 has 656 MA's), (48, 14579), (55, 14657),

Gene: Drake94_18 Start: 11075, Stop: 11437, Start Num: 30
Candidate Starts for Drake94_18:
(17, 10994), (Start: 30 @11075 has 656 MA's), (36, 11120), (48, 11201), (60, 11324), (78, 11423),

Gene: DreamCatcher_21 Start: 14792, Stop: 15154, Start Num: 27
Candidate Starts for DreamCatcher_21:

(Start: 21 @14747 has 1 MA's), (Start: 27 @14792 has 220 MA's), (Start: 34 @14837 has 4 MA's), (Start: 37 @14849 has 1 MA's), (50, 14966), (51, 14984), (55, 15005), (57, 15035), (63, 15056), (67, 15080), (77, 15137),

Gene: DreamTeam1_20 Start: 12890, Stop: 13258, Start Num: 30
Candidate Starts for DreamTeam1_20:
(Start: 30 @12890 has 656 MA's), (38, 12947), (55, 13100), (59, 13139),

Gene: Dreamboat_19 Start: 13259, Stop: 13621, Start Num: 27
Candidate Starts for Dreamboat_19:
(Start: 21 @13214 has 1 MA's), (Start: 27 @13259 has 220 MA's), (Start: 34 @13304 has 4 MA's), (Start: 37 @13316 has 1 MA's), (50, 13433), (51, 13451), (55, 13472), (57, 13502), (63, 13523), (67, 13547), (77, 13604),

Gene: DroogsArmy_20 Start: 14572, Stop: 14955, Start Num: 30
Candidate Starts for DroogsArmy_20:
(Start: 22 @14545 has 2 MA's), (Start: 30 @14572 has 656 MA's), (36, 14617), (47, 14692), (58, 14812), (60, 14821), (78, 14941),

Gene: DropBear_19 Start: 12905, Stop: 13267, Start Num: 30
Candidate Starts for DropBear_19:
(Start: 14 @12818 has 2 MA's), (Start: 21 @12863 has 1 MA's), (Start: 22 @12875 has 2 MA's), (Start: 30 @12905 has 656 MA's), (Start: 32 @12935 has 1 MA's), (60, 13154), (78, 13253),

Gene: Druantia_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Druantia_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: Dublin_15 Start: 12278, Stop: 12640, Start Num: 30
Candidate Starts for Dublin_15:
(Start: 14 @12179 has 2 MA's), (20, 12212), (Start: 22 @12236 has 2 MA's), (Start: 30 @12278 has 656 MA's), (Start: 32 @12308 has 1 MA's), (45, 12380), (59, 12521),

Gene: DudeLittle_20 Start: 14035, Stop: 14403, Start Num: 30
Candidate Starts for DudeLittle_20:
(Start: 14 @13930 has 2 MA's), (Start: 22 @13987 has 2 MA's), (Start: 30 @14035 has 656 MA's), (38, 14092), (48, 14167), (55, 14245),

Gene: Dulcie_17 Start: 13001, Stop: 13363, Start Num: 27
Candidate Starts for Dulcie_17:
(Start: 21 @12956 has 1 MA's), (Start: 27 @13001 has 220 MA's), (Start: 34 @13046 has 4 MA's), (Start: 37 @13058 has 1 MA's), (50, 13175), (51, 13193), (55, 13214), (57, 13244), (63, 13265), (67, 13289), (77, 13346),

Gene: Duplo_23 Start: 13878, Stop: 14246, Start Num: 30
Candidate Starts for Duplo_23:
(Start: 14 @13773 has 2 MA's), (Start: 30 @13878 has 656 MA's), (Start: 32 @13914 has 1 MA's), (55, 14088), (75, 14211),

Gene: Dussy_19 Start: 13655, Stop: 14017, Start Num: 27
Candidate Starts for Dussy_19:

(Start: 21 @13610 has 1 MA's), (Start: 27 @13655 has 220 MA's), (Start: 34 @13700 has 4 MA's), (Start: 37 @13712 has 1 MA's), (50, 13829), (51, 13847), (55, 13868), (57, 13898), (63, 13919), (67, 13943), (77, 14000),

Gene: DustyMartin_22 Start: 13054, Stop: 13416, Start Num: 30
Candidate Starts for DustyMartin_22:
(Start: 30 @13054 has 656 MA's), (48, 13180), (60, 13303), (78, 13402),

Gene: Dynamix_19 Start: 13411, Stop: 13773, Start Num: 27
Candidate Starts for Dynamix_19:
(Start: 21 @13366 has 1 MA's), (Start: 27 @13411 has 220 MA's), (Start: 34 @13456 has 4 MA's), (Start: 37 @13468 has 1 MA's), (50, 13585), (51, 13603), (55, 13624), (57, 13654), (63, 13675), (67, 13699), (77, 13756),

Gene: EZMoney23_24 Start: 15922, Stop: 16290, Start Num: 30
Candidate Starts for EZMoney23_24:
(Start: 22 @15871 has 2 MA's), (Start: 30 @15922 has 656 MA's), (48, 16054), (55, 16132), (60, 16177),

Gene: Eagle_18 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Eagle_18:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: EagleEye_22 Start: 14163, Stop: 14531, Start Num: 30
Candidate Starts for EagleEye_22:
(Start: 14 @14079 has 2 MA's), (19, 14106), (Start: 30 @14163 has 656 MA's), (33, 14202), (38, 14220), (48, 14295), (55, 14373),

Gene: Eaglepride_20 Start: 12994, Stop: 13356, Start Num: 30
Candidate Starts for Eaglepride_20:
(17, 12913), (Start: 30 @12994 has 656 MA's), (48, 13120), (60, 13243), (78, 13342),

Gene: Eapen_19 Start: 13204, Stop: 13566, Start Num: 30
Candidate Starts for Eapen_19:
(Start: 30 @13204 has 656 MA's), (Start: 32 @13234 has 1 MA's), (52, 13399), (60, 13453), (65, 13480), (78, 13552),

Gene: Ebony_20 Start: 14518, Stop: 14886, Start Num: 30
Candidate Starts for Ebony_20:
(19, 14461), (20, 14467), (Start: 22 @14491 has 2 MA's), (Start: 30 @14518 has 656 MA's), (Start: 31 @14524 has 2 MA's), (48, 14650), (55, 14728), (72, 14839),

Gene: Echild_20 Start: 14038, Stop: 14406, Start Num: 30
Candidate Starts for Echild_20:
(Start: 14 @13933 has 2 MA's), (Start: 22 @13990 has 2 MA's), (Start: 30 @14038 has 656 MA's), (38, 14095), (48, 14170), (55, 14248), (60, 14293),

Gene: Edison31_19 Start: 13018, Stop: 13380, Start Num: 30
Candidate Starts for Edison31_19:
(Start: 30 @13018 has 656 MA's), (48, 13144), (60, 13267), (78, 13366),

Gene: EdogawaKiddo_21 Start: 14708, Stop: 15076, Start Num: 30

Candidate Starts for EdogawaKiddo_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: Edtherson_19 Start: 14153, Stop: 14515, Start Num: 27
Candidate Starts for Edtherson_19:
(Start: 21 @14108 has 1 MA's), (Start: 27 @14153 has 220 MA's), (Start: 34 @14198 has 4 MA's), (Start: 37 @14210 has 1 MA's), (50, 14327), (51, 14345), (55, 14366), (57, 14396), (63, 14417), (67, 14441), (77, 14498),

Gene: Eidsmoe_21 Start: 14738, Stop: 15106, Start Num: 30
Candidate Starts for Eidsmoe_21:
(Start: 14 @14633 has 2 MA's), (20, 14666), (Start: 22 @14690 has 2 MA's), (Start: 30 @14738 has 656 MA's), (Start: 34 @14780 has 4 MA's), (38, 14795), (47, 14864), (55, 14948), (59, 14987),

Gene: ElTiger69_16 Start: 12149, Stop: 12511, Start Num: 30
Candidate Starts for ElTiger69_16:
(20, 12083), (Start: 30 @12149 has 656 MA's), (Start: 32 @12179 has 1 MA's), (45, 12251), (59, 12392),

Gene: Elephantoon_21 Start: 14329, Stop: 14697, Start Num: 30
Candidate Starts for Elephantoon_21:
(Start: 22 @14281 has 2 MA's), (Start: 30 @14329 has 656 MA's), (38, 14386), (47, 14455), (55, 14539), (75, 14662),

Gene: Elle_20 Start: 12745, Stop: 13113, Start Num: 30
Candidate Starts for Elle_20:
(Start: 14 @12616 has 2 MA's), (19, 12643), (Start: 22 @12673 has 2 MA's), (26, 12727), (Start: 30 @12745 has 656 MA's), (55, 12955), (67, 13039), (73, 13072),

Gene: EmyBug_21 Start: 14738, Stop: 15106, Start Num: 30
Candidate Starts for EmyBug_21:
(Start: 14 @14633 has 2 MA's), (20, 14666), (Start: 22 @14690 has 2 MA's), (Start: 30 @14738 has 656 MA's), (Start: 34 @14780 has 4 MA's), (38, 14795), (47, 14864), (55, 14948), (59, 14987),

Gene: EnzoK_19 Start: 13638, Stop: 13955, Start Num: 34
Candidate Starts for EnzoK_19:
(Start: 21 @13548 has 1 MA's), (Start: 27 @13593 has 220 MA's), (Start: 34 @13638 has 4 MA's), (Start: 37 @13650 has 1 MA's), (50, 13767), (51, 13785), (55, 13806), (57, 13836), (63, 13857), (67, 13881), (77, 13938),

Gene: EpicPhail_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for EpicPhail_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Epsocamisio_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for Epsocamisio_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Equemioh13_22 Start: 14432, Stop: 14800, Start Num: 30
Candidate Starts for Equemioh13_22:

(Start: 22 @14381 has 2 MA's), (Start: 30 @14432 has 656 MA's), (48, 14564), (55, 14642),

Gene: EricB_23 Start: 13995, Stop: 14408, Start Num: 22
Candidate Starts for EricB_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Erik_15 Start: 9292, Stop: 9648, Start Num: 30
Candidate Starts for Erik_15:
(18, 9220), (Start: 30 @9292 has 656 MA's), (35, 9334), (38, 9343), (52, 9490), (55, 9499),

Gene: Eris_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Eris_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Eros_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Eros_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Espica_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Espica_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Espresso_18 Start: 13463, Stop: 13825, Start Num: 27
Candidate Starts for Espresso_18:
(Start: 21 @13418 has 1 MA's), (Start: 27 @13463 has 220 MA's), (Start: 34 @13508 has 4 MA's), (Start: 37 @13520 has 1 MA's), (50, 13637), (55, 13676), (56, 13703), (67, 13751), (78, 13811),

Gene: Et2Brutus_19 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Et2Brutus_19:
(19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (72, 14793),

Gene: EtoileNova_20 Start: 13386, Stop: 13748, Start Num: 30
Candidate Starts for EtoileNova_20:
(Start: 14 @13302 has 2 MA's), (Start: 22 @13359 has 2 MA's), (Start: 30 @13386 has 656 MA's), (52, 13581), (54, 13587), (60, 13635), (78, 13734),

Gene: Euphoria_18 Start: 13355, Stop: 13717, Start Num: 27
Candidate Starts for Euphoria_18:
(Start: 21 @13310 has 1 MA's), (Start: 27 @13355 has 220 MA's), (Start: 34 @13400 has 4 MA's), (Start: 37 @13412 has 1 MA's), (50, 13529), (51, 13547), (55, 13568), (57, 13598), (63, 13619), (67, 13643), (77, 13700),

Gene: Eurydice_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Eurydice_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (47, 13322), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: EvilGenius_22 Start: 14346, Stop: 14714, Start Num: 30
Candidate Starts for EvilGenius_22:

(Start: 14 @14241 has 2 MA's), (Start: 22 @14298 has 2 MA's), (Start: 30 @14346 has 656 MA's), (48, 14478), (60, 14601),

Gene: Expelliarmus_15 Start: 11859, Stop: 12218, Start Num: 30
Candidate Starts for Expelliarmus_15:
(Start: 30 @11859 has 656 MA's), (Start: 32 @11895 has 1 MA's), (54, 12066),

Gene: ExplosioNervosa_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for ExplosioNervosa_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: Eyeball_18 Start: 13094, Stop: 13456, Start Num: 27
Candidate Starts for Eyeball_18:
(Start: 21 @13049 has 1 MA's), (Start: 27 @13094 has 220 MA's), (Start: 34 @13139 has 4 MA's), (Start: 37 @13151 has 1 MA's), (50, 13268), (51, 13286), (55, 13307), (57, 13337), (63, 13358), (67, 13382), (77, 13439),

Gene: Fajezeel_20 Start: 13674, Stop: 14036, Start Num: 27
Candidate Starts for Fajezeel_20:
(Start: 21 @13629 has 1 MA's), (Start: 27 @13674 has 220 MA's), (Start: 34 @13719 has 4 MA's), (Start: 37 @13731 has 1 MA's), (50, 13848), (51, 13866), (55, 13887), (57, 13917), (63, 13938), (67, 13962), (77, 14019),

Gene: Fameo_20 Start: 13961, Stop: 14329, Start Num: 30
Candidate Starts for Fameo_20:
(Start: 22 @13913 has 2 MA's), (Start: 30 @13961 has 656 MA's), (48, 14093), (55, 14171),

Gene: Farber_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for Farber_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Fascinus_17 Start: 13097, Stop: 13459, Start Num: 27
Candidate Starts for Fascinus_17:
(Start: 21 @13052 has 1 MA's), (Start: 27 @13097 has 220 MA's), (Start: 34 @13142 has 4 MA's), (Start: 37 @13154 has 1 MA's), (50, 13271), (51, 13289), (55, 13310), (57, 13340), (63, 13361), (67, 13385), (77, 13442),

Gene: FatCactus_18 Start: 12028, Stop: 12396, Start Num: 30
Candidate Starts for FatCactus_18:
(Start: 30 @12028 has 656 MA's), (43, 12112), (48, 12160), (55, 12238), (78, 12382),

Gene: Fayely_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Fayely_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: Fenn_19 Start: 14902, Stop: 15264, Start Num: 27
Candidate Starts for Fenn_19:
(Start: 21 @14857 has 1 MA's), (Start: 27 @14902 has 220 MA's), (Start: 34 @14947 has 4 MA's), (Start: 37 @14959 has 1 MA's), (50, 15076), (51, 15094), (55, 15115), (56, 15142), (63, 15166), (67, 15190), (77, 15247),

Gene: Fernando_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Fernando_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Fibonacci_20 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Fibonacci_20:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (72, 14793),

Gene: FiringLine_20 Start: 13883, Stop: 14251, Start Num: 30
Candidate Starts for FiringLine_20:
(Start: 14 @13778 has 2 MA's), (20, 13811), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (55, 14093),

Gene: First_0020 Start: 13951, Stop: 14319, Start Num: 30
Candidate Starts for First_0020:
(Start: 14 @13846 has 2 MA's), (Start: 22 @13903 has 2 MA's), (Start: 30 @13951 has 656 MA's), (38, 14008), (48, 14083), (55, 14161), (60, 14206),

Gene: Flare16_20 Start: 13990, Stop: 14358, Start Num: 30
Candidate Starts for Flare16_20:
(Start: 22 @13939 has 2 MA's), (Start: 30 @13990 has 656 MA's), (48, 14122), (55, 14200),

Gene: Flaverint_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Flaverint_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: Florean_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Florean_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Florence1_16 Start: 12099, Stop: 12461, Start Num: 30
Candidate Starts for Florence1_16:
(Start: 14 @12000 has 2 MA's), (20, 12033), (Start: 30 @12099 has 656 MA's), (Start: 32 @12129 has 1 MA's), (45, 12201), (59, 12342),

Gene: Florence4_17 Start: 12099, Stop: 12461, Start Num: 30
Candidate Starts for Florence4_17:
(Start: 14 @12000 has 2 MA's), (20, 12033), (Start: 30 @12099 has 656 MA's), (Start: 32 @12129 has 1 MA's), (45, 12201), (59, 12342),

Gene: Flux_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Flux_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: FlyCatcher_23 Start: 14859, Stop: 15242, Start Num: 30
Candidate Starts for FlyCatcher_23:

(20, 14793), (23, 14820), (Start: 30 @14859 has 656 MA's), (Start: 32 @14889 has 1 MA's), (58, 15099), (60, 15108), (65, 15141), (66, 15156), (67, 15168), (69, 15183),

Gene: ForGetIt_16 Start: 12161, Stop: 12523, Start Num: 30
Candidate Starts for ForGetIt_16:
(Start: 14 @12062 has 2 MA's), (20, 12095), (Start: 30 @12161 has 656 MA's), (Start: 32 @12191 has 1 MA's), (45, 12263), (49, 12290), (59, 12404),

Gene: ForesterFrank_22 Start: 15461, Stop: 15829, Start Num: 30
Candidate Starts for ForesterFrank_22:
(Start: 22 @15410 has 2 MA's), (Start: 30 @15461 has 656 MA's), (48, 15593), (55, 15671),

Gene: Forsytheast_17 Start: 13364, Stop: 13726, Start Num: 27
Candidate Starts for Forsytheast_17:
(Start: 21 @13319 has 1 MA's), (Start: 27 @13364 has 220 MA's), (Start: 34 @13409 has 4 MA's), (Start: 37 @13421 has 1 MA's), (50, 13538), (51, 13556), (55, 13577), (57, 13607), (63, 13628), (67, 13652), (77, 13709),

Gene: Francis47_18 Start: 13911, Stop: 14273, Start Num: 27
Candidate Starts for Francis47_18:
(Start: 21 @13866 has 1 MA's), (Start: 27 @13911 has 220 MA's), (Start: 34 @13956 has 4 MA's), (Start: 37 @13968 has 1 MA's), (50, 14085), (51, 14103), (55, 14124), (57, 14154), (67, 14199), (77, 14256),

Gene: Fred313_19 Start: 12563, Stop: 12925, Start Num: 30
Candidate Starts for Fred313_19:
(Start: 21 @12521 has 1 MA's), (Start: 22 @12533 has 2 MA's), (Start: 30 @12563 has 656 MA's), (Start: 32 @12593 has 1 MA's), (Start: 34 @12599 has 4 MA's), (60, 12812), (64, 12833), (78, 12911),

Gene: Froghopper_19 Start: 13327, Stop: 13689, Start Num: 27
Candidate Starts for Froghopper_19:
(Start: 21 @13282 has 1 MA's), (Start: 27 @13327 has 220 MA's), (Start: 34 @13372 has 4 MA's), (Start: 37 @13384 has 1 MA's), (50, 13501), (51, 13519), (55, 13540), (57, 13570), (63, 13591), (77, 13672),

Gene: Funston_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Funston_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Fushigi_19 Start: 13774, Stop: 14136, Start Num: 27
Candidate Starts for Fushigi_19:
(Start: 21 @13729 has 1 MA's), (Start: 27 @13774 has 220 MA's), (Start: 34 @13819 has 4 MA's), (Start: 37 @13831 has 1 MA's), (50, 13948), (51, 13966), (55, 13987), (57, 14017), (63, 14038), (67, 14062), (77, 14119),

Gene: GMonster_17 Start: 13210, Stop: 13572, Start Num: 27
Candidate Starts for GMonster_17:
(Start: 21 @13165 has 1 MA's), (Start: 27 @13210 has 220 MA's), (Start: 34 @13255 has 4 MA's), (Start: 37 @13267 has 1 MA's), (50, 13384), (51, 13402), (55, 13423), (57, 13453), (67, 13498), (77, 13555),

Gene: Gachnar_18 Start: 13385, Stop: 13747, Start Num: 27

Candidate Starts for Gachnar_18:
(Start: 21 @13340 has 1 MA's), (Start: 27 @13385 has 220 MA's), (Start: 34 @13430 has 4 MA's), (Start: 37 @13442 has 1 MA's), (50, 13559), (51, 13577), (55, 13598), (56, 13625), (63, 13649), (67, 13673), (77, 13730),

Gene: Gadost_19 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for Gadost_19:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: GageAP_20 Start: 14091, Stop: 14453, Start Num: 27
Candidate Starts for GageAP_20:
(Start: 21 @14046 has 1 MA's), (Start: 27 @14091 has 220 MA's), (Start: 34 @14136 has 4 MA's), (Start: 37 @14148 has 1 MA's), (50, 14265), (51, 14283), (55, 14304), (56, 14331), (63, 14355), (67, 14379), (77, 14436),

Gene: Gail_19 Start: 13063, Stop: 13431, Start Num: 30
Candidate Starts for Gail_19:
(19, 12982), (20, 12988), (Start: 22 @13012 has 2 MA's), (Start: 30 @13063 has 656 MA's), (Start: 37 @13117 has 1 MA's), (48, 13195), (55, 13273), (58, 13309),

Gene: Gandalf20_19 Start: 14158, Stop: 14520, Start Num: 27
Candidate Starts for Gandalf20_19:
(Start: 21 @14113 has 1 MA's), (Start: 27 @14158 has 220 MA's), (Start: 34 @14203 has 4 MA's), (Start: 37 @14215 has 1 MA's), (50, 14332), (51, 14350), (55, 14371), (57, 14401), (63, 14422), (67, 14446), (77, 14503),

Gene: Garak_24 Start: 14045, Stop: 14413, Start Num: 30
Candidate Starts for Garak_24:
(Start: 22 @14000 has 2 MA's), (Start: 30 @14045 has 656 MA's), (38, 14102), (Start: 39 @14105 has 1 MA's), (48, 14177), (55, 14255),

Gene: GaugeLDP_22 Start: 15254, Stop: 15622, Start Num: 30
Candidate Starts for GaugeLDP_22:
(Start: 22 @15209 has 2 MA's), (Start: 30 @15254 has 656 MA's), (38, 15311), (55, 15464),

Gene: Gemma_21 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Gemma_21:
(13, 13279), (Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: George_15 Start: 12311, Stop: 12673, Start Num: 30
Candidate Starts for George_15:
(Start: 14 @12212 has 2 MA's), (20, 12245), (Start: 30 @12311 has 656 MA's), (Start: 32 @12341 has 1 MA's), (45, 12413), (59, 12554),

Gene: Georgie2_21 Start: 13884, Stop: 14252, Start Num: 30
Candidate Starts for Georgie2_21:
(Start: 14 @13779 has 2 MA's), (Start: 22 @13836 has 2 MA's), (Start: 30 @13884 has 656 MA's), (48, 14016), (55, 14094),

Gene: Ghoulboy_16 Start: 12385, Stop: 12747, Start Num: 30
Candidate Starts for Ghoulboy_16:

(Start: 30 @12385 has 656 MA's), (45, 12487),

Gene: Gilberta_20 Start: 14466, Stop: 14834, Start Num: 30
Candidate Starts for Gilberta_20:
(19, 14409), (20, 14415), (Start: 22 @14439 has 2 MA's), (Start: 30 @14466 has 656 MA's), (Start: 31 @14472 has 2 MA's), (48, 14598), (55, 14676), (72, 14787),

Gene: GingkoMaracino_21 Start: 13181, Stop: 13549, Start Num: 30
Candidate Starts for GingkoMaracino_21:
(13, 13091), (Start: 30 @13181 has 656 MA's), (Start: 32 @13217 has 1 MA's), (48, 13313), (55, 13391), (65, 13463), (78, 13535),

Gene: Giroux_20 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for Giroux_20:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: Gladiator_23 Start: 14017, Stop: 14385, Start Num: 30
Candidate Starts for Gladiator_23:
(9, 13813), (Start: 30 @14017 has 656 MA's), (Start: 39 @14077 has 1 MA's), (55, 14227),

Gene: Gollum_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Gollum_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Gompeii16_18 Start: 13859, Stop: 14221, Start Num: 27
Candidate Starts for Gompeii16_18:
(Start: 21 @13814 has 1 MA's), (Start: 27 @13859 has 220 MA's), (Start: 34 @13904 has 4 MA's), (Start: 37 @13916 has 1 MA's), (50, 14033), (51, 14051), (55, 14072), (57, 14102), (67, 14147), (77, 14204),

Gene: Goose_19 Start: 12985, Stop: 13347, Start Num: 30
Candidate Starts for Goose_19:
(17, 12904), (Start: 30 @12985 has 656 MA's), (58, 13225), (60, 13234), (65, 13261), (78, 13333),

Gene: Goose1D_19 Start: 12100, Stop: 12462, Start Num: 30
Candidate Starts for Goose1D_19:
(Start: 14 @12013 has 2 MA's), (Start: 21 @12058 has 1 MA's), (Start: 22 @12070 has 2 MA's), (Start: 30 @12100 has 656 MA's), (Start: 32 @12130 has 1 MA's), (60, 12349), (78, 12448),

Gene: Goose1X_19 Start: 12172, Stop: 12534, Start Num: 30
Candidate Starts for Goose1X_19:
(Start: 14 @12085 has 2 MA's), (Start: 21 @12130 has 1 MA's), (Start: 22 @12142 has 2 MA's), (Start: 30 @12172 has 656 MA's), (Start: 32 @12202 has 1 MA's), (60, 12421), (78, 12520),

Gene: Graduation_20 Start: 14124, Stop: 14486, Start Num: 27
Candidate Starts for Graduation_20:
(Start: 21 @14079 has 1 MA's), (Start: 27 @14124 has 220 MA's), (Start: 34 @14169 has 4 MA's), (Start: 37 @14181 has 1 MA's), (50, 14298), (51, 14316), (55, 14337), (57, 14367), (63, 14388), (67, 14412), (77, 14469),

Gene: Gratitude_22 Start: 14432, Stop: 14800, Start Num: 30
Candidate Starts for Gratitude_22:

(Start: 22 @14381 has 2 MA's), (Start: 30 @14432 has 656 MA's), (48, 14564), (55, 14642),

Gene: GrecoEtereo_19 Start: 13665, Stop: 14027, Start Num: 27
Candidate Starts for GrecoEtereo_19:
(Start: 21 @13620 has 1 MA's), (Start: 27 @13665 has 220 MA's), (Start: 34 @13710 has 4 MA's), (Start: 37 @13722 has 1 MA's), (50, 13839), (51, 13857), (55, 13878), (57, 13908), (63, 13929), (67, 13953), (77, 14010),

Gene: GreedyLawyer_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for GreedyLawyer_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: Greg_20 Start: 13674, Stop: 14036, Start Num: 27
Candidate Starts for Greg_20:
(Start: 21 @13629 has 1 MA's), (Start: 27 @13674 has 220 MA's), (Start: 34 @13719 has 4 MA's), (Start: 37 @13731 has 1 MA's), (50, 13848), (51, 13866), (55, 13887), (57, 13917), (63, 13938), (67, 13962), (77, 14019),

Gene: Grif_21 Start: 13378, Stop: 13746, Start Num: 30
Candidate Starts for Grif_21:
(13, 13288), (Start: 30 @13378 has 656 MA's), (Start: 32 @13414 has 1 MA's), (48, 13510), (55, 13588), (65, 13660), (78, 13732),

Gene: GroundGoblin_19 Start: 14196, Stop: 14558, Start Num: 27
Candidate Starts for GroundGoblin_19:
(Start: 21 @14151 has 1 MA's), (Start: 27 @14196 has 220 MA's), (Start: 34 @14241 has 4 MA's), (Start: 37 @14253 has 1 MA's), (50, 14370), (51, 14388), (55, 14409), (57, 14439), (63, 14460), (77, 14541),

Gene: Groundhog_15 Start: 11860, Stop: 12219, Start Num: 30
Candidate Starts for Groundhog_15:
(Start: 30 @11860 has 656 MA's), (Start: 32 @11896 has 1 MA's), (54, 12067),

Gene: Groupthink_22 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Groupthink_22:
(Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Grub_21 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for Grub_21:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: Grum1_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for Grum1_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Gruunaga_23 Start: 14017, Stop: 14385, Start Num: 30
Candidate Starts for Gruunaga_23:
(9, 13813), (Start: 30 @14017 has 656 MA's), (Start: 39 @14077 has 1 MA's), (55, 14227),

Gene: GtownJaz_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for GtownJaz_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: Gwendoluna_20 Start: 14771, Stop: 15133, Start Num: 27
Candidate Starts for Gwendoluna_20:
(Start: 21 @14726 has 1 MA's), (Start: 27 @14771 has 220 MA's), (Start: 34 @14816 has 4 MA's), (Start: 37 @14828 has 1 MA's), (50, 14945), (51, 14963), (55, 14984), (57, 15014), (63, 15035), (67, 15059), (77, 15116),

Gene: Gwennie_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for Gwennie_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Gyzlar_20 Start: 14601, Stop: 14963, Start Num: 27
Candidate Starts for Gyzlar_20:
(Start: 21 @14556 has 1 MA's), (Start: 27 @14601 has 220 MA's), (Start: 34 @14646 has 4 MA's), (Start: 37 @14658 has 1 MA's), (50, 14775), (51, 14793), (55, 14814), (57, 14844), (63, 14865), (67, 14889), (77, 14946),

Gene: HINdeR_19 Start: 14680, Stop: 15063, Start Num: 30
Candidate Starts for HINdeR_19:
(Start: 22 @14650 has 2 MA's), (Start: 30 @14680 has 656 MA's), (33, 14713), (36, 14725), (54, 14881), (58, 14920), (60, 14929), (78, 15049),

Gene: HamSlice_18 Start: 13203, Stop: 13565, Start Num: 30
Candidate Starts for HamSlice_18:
(Start: 30 @13203 has 656 MA's), (Start: 32 @13233 has 1 MA's), (52, 13398), (60, 13452), (65, 13479), (78, 13551),

Gene: Hami1_20 Start: 13746, Stop: 14108, Start Num: 27
Candidate Starts for Hami1_20:
(Start: 21 @13701 has 1 MA's), (Start: 27 @13746 has 220 MA's), (Start: 34 @13791 has 4 MA's), (Start: 37 @13803 has 1 MA's), (50, 13920), (51, 13938), (55, 13959), (56, 13986), (63, 14010), (67, 14034), (77, 14091),

Gene: Hammer_23 Start: 14032, Stop: 14400, Start Num: 30
Candidate Starts for Hammer_23:
(9, 13828), (Start: 30 @14032 has 656 MA's), (Start: 39 @14092 has 1 MA's), (55, 14242),

Gene: HanShotFirst_18 Start: 13280, Stop: 13642, Start Num: 27
Candidate Starts for HanShotFirst_18:
(Start: 21 @13235 has 1 MA's), (Start: 27 @13280 has 220 MA's), (Start: 34 @13325 has 4 MA's), (Start: 37 @13337 has 1 MA's), (50, 13454), (51, 13472), (55, 13493), (57, 13523), (63, 13544), (67, 13568), (77, 13625),

Gene: Hanray_21 Start: 14712, Stop: 15080, Start Num: 30
Candidate Starts for Hanray_21:
(Start: 14 @14607 has 2 MA's), (20, 14640), (Start: 22 @14664 has 2 MA's), (Start: 30 @14712 has 656 MA's), (Start: 34 @14754 has 4 MA's), (38, 14769), (47, 14838), (55, 14922),

Gene: Happiness_19 Start: 13211, Stop: 13573, Start Num: 30
Candidate Starts for Happiness_19:
(Start: 30 @13211 has 656 MA's), (Start: 32 @13241 has 1 MA's), (52, 13406), (60, 13460), (65, 13487), (78, 13559),

Gene: Harlequin_15 Start: 9237, Stop: 9593, Start Num: 30
Candidate Starts for Harlequin_15:
(18, 9165), (Start: 30 @9237 has 656 MA's), (35, 9279), (42, 9312), (55, 9444), (61, 9489),

Gene: HarryHoudini_22 Start: 14447, Stop: 14815, Start Num: 30
Candidate Starts for HarryHoudini_22:
(Start: 22 @14396 has 2 MA's), (Start: 30 @14447 has 656 MA's), (48, 14579), (55, 14657),

Gene: HarryOW_19 Start: 13665, Stop: 14027, Start Num: 27
Candidate Starts for HarryOW_19:
(Start: 21 @13620 has 1 MA's), (Start: 27 @13665 has 220 MA's), (Start: 34 @13710 has 4 MA's), (Start: 37 @13722 has 1 MA's), (50, 13839), (51, 13857), (55, 13878), (57, 13908), (63, 13929), (67, 13953), (77, 14010),

Gene: HashRod_22 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for HashRod_22:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: HaveUMetTed_22 Start: 13363, Stop: 13731, Start Num: 30
Candidate Starts for HaveUMetTed_22:
(13, 13273), (Start: 30 @13363 has 656 MA's), (Start: 32 @13399 has 1 MA's), (55, 13573), (78, 13717),

Gene: Heathen_19 Start: 12646, Stop: 13008, Start Num: 30
Candidate Starts for Heathen_19:
(Start: 14 @12559 has 2 MA's), (Start: 21 @12604 has 1 MA's), (Start: 22 @12616 has 2 MA's), (Start: 30 @12646 has 656 MA's), (Start: 32 @12676 has 1 MA's), (60, 12895), (78, 12994),

Gene: Heffalump_22 Start: 15763, Stop: 16131, Start Num: 30
Candidate Starts for Heffalump_22:
(Start: 22 @15715 has 2 MA's), (Start: 30 @15763 has 656 MA's), (48, 15895), (55, 15973),

Gene: HelDan_19 Start: 12898, Stop: 13260, Start Num: 30
Candidate Starts for HelDan_19:
(Start: 14 @12811 has 2 MA's), (Start: 21 @12856 has 1 MA's), (Start: 22 @12868 has 2 MA's), (Start: 30 @12898 has 656 MA's), (Start: 32 @12928 has 1 MA's), (60, 13147), (78, 13246),

Gene: Heliosoles_21 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Heliosoles_21:
(Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Helmet_23 Start: 14045, Stop: 14413, Start Num: 30
Candidate Starts for Helmet_23:
(Start: 22 @14000 has 2 MA's), (Start: 30 @14045 has 656 MA's), (38, 14102), (Start: 39 @14105 has 1 MA's), (48, 14177), (55, 14255),

Gene: Herbertwm_17 Start: 12647, Stop: 13015, Start Num: 30
Candidate Starts for Herbertwm_17:
(8, 12425), (9, 12437), (Start: 14 @12539 has 2 MA's), (Start: 30 @12647 has 656 MA's), (47, 12773), (55, 12857),

Gene: Hercules11_21 Start: 13302, Stop: 13670, Start Num: 30
Candidate Starts for Hercules11_21:
(13, 13212), (Start: 30 @13302 has 656 MA's), (Start: 32 @13338 has 1 MA's), (48, 13434), (55, 13512), (65, 13584), (78, 13656),

Gene: Hermia_20 Start: 14388, Stop: 14750, Start Num: 27
Candidate Starts for Hermia_20:
(Start: 21 @14343 has 1 MA's), (Start: 27 @14388 has 220 MA's), (Start: 34 @14433 has 4 MA's), (Start: 37 @14445 has 1 MA's), (50, 14562), (51, 14580), (55, 14601), (57, 14631), (63, 14652), (77, 14733),

Gene: HermioneGrange_18 Start: 13300, Stop: 13662, Start Num: 27
Candidate Starts for HermioneGrange_18:
(Start: 21 @13255 has 1 MA's), (Start: 27 @13300 has 220 MA's), (Start: 34 @13345 has 4 MA's), (Start: 37 @13357 has 1 MA's), (50, 13474), (51, 13492), (55, 13513), (57, 13543), (63, 13564), (67, 13588), (77, 13645),

Gene: Hexamo_23 Start: 13999, Stop: 14367, Start Num: 30
Candidate Starts for Hexamo_23:
(9, 13795), (Start: 30 @13999 has 656 MA's), (Start: 39 @14059 has 1 MA's), (55, 14209),

Gene: HippoHollow_21 Start: 15703, Stop: 16071, Start Num: 30
Candidate Starts for HippoHollow_21:
(Start: 14 @15598 has 2 MA's), (Start: 22 @15655 has 2 MA's), (Start: 30 @15703 has 656 MA's), (48, 15835), (55, 15913), (60, 15958),

Gene: Hiro_15 Start: 9237, Stop: 9593, Start Num: 30
Candidate Starts for Hiro_15:
(18, 9165), (Start: 30 @9237 has 656 MA's), (35, 9279), (38, 9288), (42, 9312), (52, 9435), (55, 9444), (61, 9489),

Gene: Holex_21 Start: 14712, Stop: 15080, Start Num: 30
Candidate Starts for Holex_21:
(Start: 14 @14607 has 2 MA's), (20, 14640), (Start: 22 @14664 has 2 MA's), (Start: 30 @14712 has 656 MA's), (Start: 34 @14754 has 4 MA's), (38, 14769), (47, 14838), (55, 14922),

Gene: Holli_19 Start: 12995, Stop: 13357, Start Num: 30
Candidate Starts for Holli_19:
(Start: 30 @12995 has 656 MA's), (Start: 32 @13025 has 1 MA's), (52, 13190), (60, 13244), (65, 13271), (78, 13343),

Gene: Homines_18 Start: 13390, Stop: 13752, Start Num: 27
Candidate Starts for Homines_18:
(Start: 21 @13345 has 1 MA's), (Start: 27 @13390 has 220 MA's), (Start: 34 @13435 has 4 MA's), (Start: 37 @13447 has 1 MA's), (50, 13564), (51, 13582), (55, 13603), (57, 13633), (63, 13654), (67, 13678), (77, 13735),

Gene: Hookmount_20 Start: 13383, Stop: 13745, Start Num: 30

Candidate Starts for Hookmount_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Hoot_23 Start: 14028, Stop: 14396, Start Num: 30
Candidate Starts for Hoot_23:
(Start: 22 @13983 has 2 MA's), (Start: 30 @14028 has 656 MA's), (Start: 39 @14088 has 1 MA's), (48, 14160), (55, 14238),

Gene: Hope4ever_18 Start: 13776, Stop: 14138, Start Num: 27
Candidate Starts for Hope4ever_18:
(Start: 21 @13731 has 1 MA's), (Start: 27 @13776 has 220 MA's), (Start: 34 @13821 has 4 MA's), (Start: 37 @13833 has 1 MA's), (50, 13950), (51, 13968), (55, 13989), (57, 14019), (63, 14040), (67, 14064), (77, 14121),

Gene: HortumSL17_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for HortumSL17_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: Houdini22_19 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for Houdini22_19:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: HuhtaEnerson15_16 Start: 12311, Stop: 12673, Start Num: 30
Candidate Starts for HuhtaEnerson15_16:
(Start: 14 @12212 has 2 MA's), (20, 12245), (Start: 30 @12311 has 656 MA's), (Start: 32 @12341 has 1 MA's), (45, 12413), (59, 12554),

Gene: Hutc2_20 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Hutc2_20:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (67, 14766), (72, 14793),

Gene: Huxley_19 Start: 13269, Stop: 13631, Start Num: 30
Candidate Starts for Huxley_19:
(Start: 30 @13269 has 656 MA's), (Start: 32 @13299 has 1 MA's), (52, 13464), (60, 13518), (65, 13545), (78, 13617),

Gene: ICleared_19 Start: 13203, Stop: 13565, Start Num: 30
Candidate Starts for ICleared_19:
(Start: 30 @13203 has 656 MA's), (Start: 32 @13233 has 1 MA's), (52, 13398), (60, 13452), (65, 13479), (78, 13551),

Gene: ILeeKay_20 Start: 13535, Stop: 13897, Start Num: 27
Candidate Starts for ILeeKay_20:
(Start: 21 @13490 has 1 MA's), (Start: 27 @13535 has 220 MA's), (Start: 34 @13580 has 4 MA's), (Start: 37 @13592 has 1 MA's), (50, 13709), (51, 13727), (55, 13748), (57, 13778), (63, 13799), (67, 13823), (77, 13880),

Gene: Iceman_20 Start: 13494, Stop: 13856, Start Num: 30

Candidate Starts for Iceman_20:
(Start: 30 @13494 has 656 MA's), (Start: 32 @13524 has 1 MA's), (52, 13689), (60, 13743), (65, 13770), (78, 13842),

Gene: Ichabod_19 Start: 13392, Stop: 13754, Start Num: 27
Candidate Starts for Ichabod_19:
(Start: 21 @13347 has 1 MA's), (Start: 27 @13392 has 220 MA's), (Start: 34 @13437 has 4 MA's), (Start: 37 @13449 has 1 MA's), (50, 13566), (51, 13584), (55, 13605), (57, 13635), (63, 13656), (67, 13680), (77, 13737),

Gene: Idleandcovert_19 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for Idleandcovert_19:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: IgnatiusPatJac_17 Start: 13361, Stop: 13723, Start Num: 27
Candidate Starts for IgnatiusPatJac_17:
(Start: 21 @13316 has 1 MA's), (Start: 27 @13361 has 220 MA's), (Start: 34 @13406 has 4 MA's), (Start: 37 @13418 has 1 MA's), (50, 13535), (51, 13553), (55, 13574), (57, 13604), (63, 13625), (67, 13649), (77, 13706),

Gene: Imbriano_23 Start: 14050, Stop: 14418, Start Num: 30
Candidate Starts for Imbriano_23:
(Start: 22 @14005 has 2 MA's), (Start: 30 @14050 has 656 MA's), (38, 14107), (Start: 39 @14110 has 1 MA's), (48, 14182), (55, 14260),

Gene: Indra_23 Start: 14044, Stop: 14412, Start Num: 30
Candidate Starts for Indra_23:
(9, 13840), (Start: 30 @14044 has 656 MA's), (Start: 39 @14104 has 1 MA's), (55, 14254),

Gene: Insomnia_20 Start: 14521, Stop: 14889, Start Num: 30
Candidate Starts for Insomnia_20:
(19, 14464), (20, 14470), (Start: 22 @14494 has 2 MA's), (Start: 30 @14521 has 656 MA's), (Start: 31 @14527 has 2 MA's), (48, 14653), (55, 14731), (72, 14842),

Gene: Inyanga_17 Start: 13138, Stop: 13500, Start Num: 27
Candidate Starts for Inyanga_17:
(Start: 21 @13093 has 1 MA's), (Start: 27 @13138 has 220 MA's), (Start: 34 @13183 has 4 MA's), (Start: 37 @13195 has 1 MA's), (50, 13312), (51, 13330), (55, 13351), (57, 13381), (63, 13402), (67, 13426), (77, 13483),

Gene: Iqorha_17 Start: 13182, Stop: 13499, Start Num: 34
Candidate Starts for Iqorha_17:
(Start: 21 @13092 has 1 MA's), (Start: 27 @13137 has 220 MA's), (Start: 34 @13182 has 4 MA's), (Start: 37 @13194 has 1 MA's), (50, 13311), (51, 13329), (55, 13350), (57, 13380), (63, 13401), (67, 13425), (77, 13482),

Gene: Iracema64_20 Start: 13517, Stop: 13879, Start Num: 30
Candidate Starts for Iracema64_20:
(Start: 30 @13517 has 656 MA's), (Start: 32 @13547 has 1 MA's), (52, 13712), (60, 13766), (65, 13793), (78, 13865),

Gene: IronMan_22 Start: 15629, Stop: 15997, Start Num: 30

Candidate Starts for IronMan_22:
(Start: 14 @15524 has 2 MA's), (Start: 22 @15581 has 2 MA's), (Start: 30 @15629 has 656 MA's), (38, 15686), (48, 15761), (55, 15839),

Gene: Isca_19 Start: 12733, Stop: 13095, Start Num: 30
Candidate Starts for Isca_19:
(Start: 22 @12703 has 2 MA's), (Start: 30 @12733 has 656 MA's), (Start: 34 @12769 has 4 MA's), (60, 12982), (65, 13009), (78, 13081),

Gene: Isiphiwo_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for Isiphiwo_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Iwokeuplikedis_21 Start: 13914, Stop: 14282, Start Num: 30
Candidate Starts for Iwokeuplikedis_21:
(Start: 30 @13914 has 656 MA's), (Start: 32 @13950 has 1 MA's), (38, 13971), (55, 14124),

Gene: JC27_20 Start: 14271, Stop: 14633, Start Num: 27
Candidate Starts for JC27_20:
(Start: 21 @14226 has 1 MA's), (Start: 27 @14271 has 220 MA's), (Start: 34 @14316 has 4 MA's), (Start: 37 @14328 has 1 MA's), (50, 14445), (51, 14463), (55, 14484), (57, 14514), (63, 14535), (67, 14559), (77, 14616),

Gene: JF2_19 Start: 12498, Stop: 12860, Start Num: 30
Candidate Starts for JF2_19:
(Start: 22 @12468 has 2 MA's), (Start: 30 @12498 has 656 MA's), (Start: 34 @12534 has 4 MA's), (60, 12747), (64, 12768), (78, 12846),

Gene: JF4_19 Start: 12498, Stop: 12860, Start Num: 30
Candidate Starts for JF4_19:
(Start: 22 @12468 has 2 MA's), (Start: 30 @12498 has 656 MA's), (Start: 34 @12534 has 4 MA's), (60, 12747), (64, 12768), (78, 12846),

Gene: JHC117_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for JHC117_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: JSwag_22 Start: 13034, Stop: 13402, Start Num: 30
Candidate Starts for JSwag_22:
(11, 12863), (15, 12890), (28, 13016), (Start: 30 @13034 has 656 MA's), (38, 13091), (Start: 39 @13094 has 1 MA's), (55, 13244), (67, 13328),

Gene: Jaan_23 Start: 16027, Stop: 16395, Start Num: 30
Candidate Starts for Jaan_23:
(Start: 14 @15922 has 2 MA's), (Start: 22 @15979 has 2 MA's), (Start: 30 @16027 has 656 MA's), (38, 16084), (48, 16159), (55, 16237),

Gene: Jabiru_16 Start: 12200, Stop: 12562, Start Num: 30
Candidate Starts for Jabiru_16:
(20, 12134), (Start: 30 @12200 has 656 MA's), (Start: 32 @12230 has 1 MA's), (45, 12302), (59, 12443),

Gene: Jabith_20 Start: 14521, Stop: 14889, Start Num: 30
Candidate Starts for Jabith_20:
(19, 14464), (20, 14470), (Start: 22 @14494 has 2 MA's), (Start: 30 @14521 has 656 MA's), (Start: 31 @14527 has 2 MA's), (48, 14653), (55, 14731), (72, 14842),

Gene: JackSparrow_19 Start: 13702, Stop: 14064, Start Num: 27
Candidate Starts for JackSparrow_19:
(Start: 21 @13657 has 1 MA's), (Start: 27 @13702 has 220 MA's), (Start: 34 @13747 has 4 MA's), (Start: 37 @13759 has 1 MA's), (50, 13876), (51, 13894), (55, 13915), (57, 13945), (63, 13966), (67, 13990), (77, 14047),

Gene: Jasper_19 Start: 13203, Stop: 13565, Start Num: 27
Candidate Starts for Jasper_19:
(Start: 21 @13158 has 1 MA's), (Start: 27 @13203 has 220 MA's), (Start: 34 @13248 has 4 MA's), (Start: 37 @13260 has 1 MA's), (50, 13377), (51, 13395), (55, 13416), (57, 13446), (63, 13467), (67, 13491), (77, 13548),

Gene: Jaykayelowell_19 Start: 13201, Stop: 13563, Start Num: 30
Candidate Starts for Jaykayelowell_19:
(Start: 30 @13201 has 656 MA's), (Start: 32 @13231 has 1 MA's), (52, 13396), (60, 13450), (65, 13477), (78, 13549),

Gene: Jeeves_19 Start: 13094, Stop: 13462, Start Num: 30
Candidate Starts for Jeeves_19:
(19, 13013), (Start: 22 @13043 has 2 MA's), (Start: 30 @13094 has 656 MA's), (Start: 39 @13154 has 1 MA's), (48, 13226), (55, 13304), (70, 13406),

Gene: Jeffabunny_23 Start: 14051, Stop: 14419, Start Num: 30
Candidate Starts for Jeffabunny_23:
(9, 13847), (Start: 30 @14051 has 656 MA's), (Start: 39 @14111 has 1 MA's), (55, 14261),

Gene: JenCasNa_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for JenCasNa_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: JeppNRM_22 Start: 13367, Stop: 13735, Start Num: 30
Candidate Starts for JeppNRM_22:
(Start: 30 @13367 has 656 MA's), (Start: 32 @13403 has 1 MA's), (48, 13499), (55, 13577), (65, 13649), (78, 13721),

Gene: Jerm_22 Start: 14364, Stop: 14732, Start Num: 30
Candidate Starts for Jerm_22:
(Start: 30 @14364 has 656 MA's), (38, 14421), (48, 14496), (55, 14574), (60, 14619),

Gene: Jerm2_19 Start: 13572, Stop: 13934, Start Num: 27
Candidate Starts for Jerm2_19:
(Start: 21 @13527 has 1 MA's), (Start: 27 @13572 has 220 MA's), (Start: 34 @13617 has 4 MA's), (Start: 37 @13629 has 1 MA's), (50, 13746), (51, 13764), (55, 13785), (57, 13815), (63, 13836), (67, 13860), (77, 13917),

Gene: Jester_15 Start: 9237, Stop: 9593, Start Num: 30

Candidate Starts for Jester_15:
(18, 9165), (Start: 30 @9237 has 656 MA's), (35, 9279), (42, 9312), (55, 9444), (61, 9489),

Gene: JetBlade_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for JetBlade_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: JewelBug_23 Start: 14052, Stop: 14420, Start Num: 30
Candidate Starts for JewelBug_23:
(Start: 22 @14007 has 2 MA's), (Start: 30 @14052 has 656 MA's), (38, 14109), (Start: 39 @14112 has 1 MA's), (48, 14184), (55, 14262),

Gene: Jiawan_21 Start: 14744, Stop: 15112, Start Num: 30
Candidate Starts for Jiawan_21:
(Start: 14 @14639 has 2 MA's), (20, 14672), (Start: 22 @14696 has 2 MA's), (Start: 30 @14744 has 656 MA's), (Start: 34 @14786 has 4 MA's), (38, 14801), (47, 14870), (55, 14954),

Gene: Jobu08_21 Start: 13362, Stop: 13730, Start Num: 30
Candidate Starts for Jobu08_21:
(13, 13272), (Start: 30 @13362 has 656 MA's), (Start: 32 @13398 has 1 MA's), (48, 13494), (55, 13572), (65, 13644), (78, 13716),

Gene: JoongJeon_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for JoongJeon_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Jordennis_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for Jordennis_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Jorgensen_18 Start: 13159, Stop: 13521, Start Num: 27
Candidate Starts for Jorgensen_18:
(Start: 21 @13114 has 1 MA's), (Start: 27 @13159 has 220 MA's), (Start: 34 @13204 has 4 MA's), (Start: 37 @13216 has 1 MA's), (50, 13333), (55, 13372), (57, 13402), (63, 13423), (67, 13447), (77, 13504),

Gene: Joselito_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Joselito_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: JoshKayV_22 Start: 14362, Stop: 14730, Start Num: 30
Candidate Starts for JoshKayV_22:
(Start: 14 @14263 has 2 MA's), (Start: 22 @14314 has 2 MA's), (Start: 30 @14362 has 656 MA's), (48, 14494), (55, 14572),

Gene: Journey13_18 Start: 13074, Stop: 13442, Start Num: 30
Candidate Starts for Journey13_18:
(20, 12999), (Start: 22 @13023 has 2 MA's), (Start: 30 @13074 has 656 MA's), (38, 13131), (55, 13284),

Gene: Jovo_16 Start: 12417, Stop: 12779, Start Num: 30
Candidate Starts for Jovo_16:
(Start: 30 @12417 has 656 MA's), (45, 12519), (67, 12705),

Gene: Jsquared_19 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for Jsquared_19:
(19, 12697), (20, 12703), (Start: 22 @12727 has 2 MA's), (Start: 30 @12778 has 656 MA's), (38, 12835), (55, 12988),

Gene: JuliaChild_20 Start: 13830, Stop: 14192, Start Num: 27
Candidate Starts for JuliaChild_20:
(Start: 21 @13785 has 1 MA's), (Start: 27 @13830 has 220 MA's), (Start: 34 @13875 has 4 MA's), (Start: 37 @13887 has 1 MA's), (50, 14004), (51, 14022), (55, 14043), (57, 14073), (67, 14118), (78, 14178),

Gene: Junimo_18 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Junimo_18:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: KADY_22 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for KADY_22:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: KBG_19 Start: 14280, Stop: 14642, Start Num: 27
Candidate Starts for KBG_19:
(Start: 21 @14235 has 1 MA's), (Start: 27 @14280 has 220 MA's), (Start: 34 @14325 has 4 MA's), (Start: 37 @14337 has 1 MA's), (50, 14454), (51, 14472), (55, 14493), (57, 14523), (63, 14544), (67, 14568), (77, 14625),

Gene: KFPoly_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for KFPoly_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: KSSJEB_18 Start: 13177, Stop: 13539, Start Num: 27
Candidate Starts for KSSJEB_18:
(Start: 21 @13132 has 1 MA's), (Start: 27 @13177 has 220 MA's), (Start: 34 @13222 has 4 MA's), (Start: 37 @13234 has 1 MA's), (50, 13351), (51, 13369), (55, 13390), (57, 13420), (63, 13441), (67, 13465), (77, 13522),

Gene: Kachowdy_19 Start: 12898, Stop: 13260, Start Num: 30
Candidate Starts for Kachowdy_19:
(Start: 14 @12811 has 2 MA's), (Start: 21 @12856 has 1 MA's), (Start: 22 @12868 has 2 MA's), (Start: 30 @12898 has 656 MA's), (Start: 32 @12928 has 1 MA's), (60, 13147), (78, 13246),

Gene: Kalb97_22 Start: 13367, Stop: 13735, Start Num: 30
Candidate Starts for Kalb97_22:
(Start: 30 @13367 has 656 MA's), (Start: 32 @13403 has 1 MA's), (48, 13499), (55, 13577), (78, 13721),

Gene: Kalnoky_22 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Kalnoky_22:
(13, 13279), (Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Kalpine_23 Start: 15727, Stop: 16095, Start Num: 30
Candidate Starts for Kalpine_23:
(Start: 22 @15676 has 2 MA's), (Start: 30 @15727 has 656 MA's), (55, 15937),

Gene: Kampy_19 Start: 13203, Stop: 13565, Start Num: 30
Candidate Starts for Kampy_19:
(Start: 30 @13203 has 656 MA's), (Start: 32 @13233 has 1 MA's), (52, 13398), (60, 13452), (65, 13479), (78, 13551),

Gene: Kanely_19 Start: 13939, Stop: 14301, Start Num: 27
Candidate Starts for Kanely_19:
(Start: 21 @13894 has 1 MA's), (Start: 27 @13939 has 220 MA's), (Start: 34 @13984 has 4 MA's), (Start: 37 @13996 has 1 MA's), (50, 14113), (51, 14131), (55, 14152), (57, 14182), (63, 14203), (67, 14227), (77, 14284),

Gene: Katalie136_19 Start: 13213, Stop: 13575, Start Num: 30
Candidate Starts for Katalie136_19:
(17, 13135), (19, 13156), (Start: 30 @13213 has 656 MA's), (40, 13270), (60, 13462), (64, 13483), (78, 13561),

Gene: KatherineG_22 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for KatherineG_22:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: Kazan_23 Start: 14055, Stop: 14423, Start Num: 30
Candidate Starts for Kazan_23:
(Start: 22 @14010 has 2 MA's), (Start: 30 @14055 has 656 MA's), (Start: 39 @14115 has 1 MA's), (48, 14187), (55, 14265),

Gene: KekoraPapaka_18 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for KekoraPapaka_18:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Kenmech_21 Start: 14741, Stop: 15103, Start Num: 27
Candidate Starts for Kenmech_21:
(Start: 21 @14696 has 1 MA's), (Start: 27 @14741 has 220 MA's), (Start: 34 @14786 has 4 MA's), (Start: 37 @14798 has 1 MA's), (50, 14915), (51, 14933), (55, 14954), (57, 14984), (63, 15005), (67, 15029), (77, 15086),

Gene: Kerberos_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for Kerberos_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: Keziacharles14_19 Start: 12840, Stop: 13208, Start Num: 30
Candidate Starts for Keziacharles14_19:

(Start: 14 @12741 has 2 MA's), (19, 12762), (20, 12768), (Start: 30 @12840 has 656 MA's), (38, 12897), (55, 13050),

Gene: KikiBouba_20 Start: 14197, Stop: 14559, Start Num: 27
Candidate Starts for KikiBouba_20:
(Start: 21 @14152 has 1 MA's), (Start: 27 @14197 has 220 MA's), (Start: 34 @14242 has 4 MA's), (Start: 37 @14254 has 1 MA's), (50, 14371), (51, 14389), (55, 14410), (57, 14440), (63, 14461), (77, 14542),

Gene: Killigrew_16 Start: 12813, Stop: 13175, Start Num: 27
Candidate Starts for Killigrew_16:
(Start: 21 @12768 has 1 MA's), (Start: 27 @12813 has 220 MA's), (Start: 34 @12858 has 4 MA's), (Start: 37 @12870 has 1 MA's), (50, 12987), (51, 13005), (55, 13026), (57, 13056), (67, 13101), (77, 13158),

Gene: Kimba_20 Start: 14527, Stop: 14889, Start Num: 31
Candidate Starts for Kimba_20:
(19, 14464), (20, 14470), (Start: 22 @14494 has 2 MA's), (Start: 30 @14521 has 656 MA's), (Start: 31 @14527 has 2 MA's), (48, 14653), (55, 14731), (72, 14842),

Gene: Kimona_16 Start: 10690, Stop: 11073, Start Num: 30
Candidate Starts for Kimona_16:
(17, 10612), (Start: 30 @10690 has 656 MA's), (Start: 32 @10720 has 1 MA's), (33, 10723), (48, 10816), (60, 10939),

Gene: KingCyrus_22 Start: 14336, Stop: 14704, Start Num: 30
Candidate Starts for KingCyrus_22:
(Start: 14 @14231 has 2 MA's), (Start: 22 @14288 has 2 MA's), (Start: 30 @14336 has 656 MA's), (48, 14468), (55, 14546), (60, 14591),

Gene: Kingmustik0402_19 Start: 13197, Stop: 13559, Start Num: 30
Candidate Starts for Kingmustik0402_19:
(Start: 30 @13197 has 656 MA's), (Start: 32 @13227 has 1 MA's), (47, 13317), (52, 13392), (60, 13446), (65, 13473), (78, 13545),

Gene: Kinmap_19 Start: 13766, Stop: 14134, Start Num: 30
Candidate Starts for Kinmap_19:
(Start: 14 @13682 has 2 MA's), (Start: 22 @13739 has 2 MA's), (Start: 30 @13766 has 656 MA's), (55, 13976),

Gene: Kipper29_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for Kipper29_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: KittenMittens_18 Start: 11083, Stop: 11445, Start Num: 30
Candidate Starts for KittenMittens_18:
(17, 11002), (Start: 30 @11083 has 656 MA's), (36, 11128), (48, 11209), (60, 11332), (78, 11431),

Gene: Klodlith_20 Start: 12890, Stop: 13258, Start Num: 30
Candidate Starts for Klodlith_20:
(Start: 30 @12890 has 656 MA's), (38, 12947), (55, 13100), (59, 13139),

Gene: Koan_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Koan_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Koduck_21 Start: 13116, Stop: 13484, Start Num: 30
Candidate Starts for Koduck_21:
(19, 13035), (20, 13041), (Start: 22 @13065 has 2 MA's), (Start: 30 @13116 has 656 MA's), (38, 13173), (55, 13326), (75, 13449),

Gene: Koko_23 Start: 14043, Stop: 14411, Start Num: 30
Candidate Starts for Koko_23:
(9, 13839), (Start: 30 @14043 has 656 MA's), (Start: 39 @14103 has 1 MA's), (55, 14253),

Gene: Koreni_18 Start: 12851, Stop: 13213, Start Num: 30
Candidate Starts for Koreni_18:
(Start: 30 @12851 has 656 MA's), (Start: 32 @12881 has 1 MA's), (52, 13046), (60, 13100), (65, 13127), (78, 13199),

Gene: Kratark_19 Start: 13200, Stop: 13562, Start Num: 30
Candidate Starts for Kratark_19:
(Start: 30 @13200 has 656 MA's), (Start: 32 @13230 has 1 MA's), (52, 13395), (60, 13449), (65, 13476), (78, 13548),

Gene: Kremtemulon_19 Start: 13253, Stop: 13615, Start Num: 30
Candidate Starts for Kremtemulon_19:
(Start: 30 @13253 has 656 MA's), (Start: 32 @13283 has 1 MA's), (52, 13448), (60, 13502), (65, 13529), (78, 13601),

Gene: Krishelle_15 Start: 9252, Stop: 9608, Start Num: 30
Candidate Starts for Krishelle_15:
(18, 9180), (Start: 30 @9252 has 656 MA's), (35, 9294), (38, 9303), (42, 9327), (52, 9450), (55, 9459), (61, 9504),

Gene: Kristoff_20 Start: 13166, Stop: 13528, Start Num: 30
Candidate Starts for Kristoff_20:
(17, 13085), (Start: 30 @13166 has 656 MA's), (48, 13292), (60, 13415), (78, 13514),

Gene: Kugel_19 Start: 13433, Stop: 13813, Start Num: 24
Candidate Starts for Kugel_19:
(12, 13349), (16, 13370), (Start: 24 @13433 has 5 MA's), (Start: 34 @13496 has 4 MA's), (Start: 37 @13508 has 1 MA's), (50, 13625), (51, 13643), (55, 13664), (57, 13694), (63, 13715), (67, 13739),

Gene: KyMonks1A_20 Start: 13678, Stop: 14040, Start Num: 27
Candidate Starts for KyMonks1A_20:
(Start: 21 @13633 has 1 MA's), (Start: 27 @13678 has 220 MA's), (Start: 34 @13723 has 4 MA's), (Start: 37 @13735 has 1 MA's), (50, 13852), (51, 13870), (55, 13891), (57, 13921), (63, 13942), (67, 13966), (77, 14023),

Gene: Kyee_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Kyee_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: Kykar_16 Start: 12930, Stop: 13310, Start Num: 24
Candidate Starts for Kykar_16:
(12, 12846), (16, 12867), (Start: 24 @12930 has 5 MA's), (Start: 34 @12993 has 4 MA's), (Start: 37 @13005 has 1 MA's), (50, 13122), (51, 13140), (55, 13161), (57, 13191), (63, 13212), (67, 13236),

Gene: L5_20 Start: 13127, Stop: 13495, Start Num: 30
Candidate Starts for L5_20:
(19, 13046), (20, 13052), (Start: 22 @13076 has 2 MA's), (Start: 30 @13127 has 656 MA's), (38, 13184), (55, 13337), (75, 13460),

Gene: LBerry_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for LBerry_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: LHTSCC_20 Start: 13517, Stop: 13879, Start Num: 30
Candidate Starts for LHTSCC_20:
(Start: 30 @13517 has 656 MA's), (Start: 32 @13547 has 1 MA's), (52, 13712), (60, 13766), (65, 13793), (78, 13865),

Gene: LadyBird_20 Start: 13906, Stop: 14274, Start Num: 30
Candidate Starts for LadyBird_20:
(Start: 14 @13801 has 2 MA's), (Start: 22 @13858 has 2 MA's), (Start: 30 @13906 has 656 MA's), (48, 14038), (55, 14116),

Gene: Lambert1_20 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Lambert1_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Lamina13_18 Start: 12954, Stop: 13316, Start Num: 27
Candidate Starts for Lamina13_18:
(Start: 21 @12909 has 1 MA's), (Start: 27 @12954 has 220 MA's), (Start: 34 @12999 has 4 MA's), (Start: 37 @13011 has 1 MA's), (50, 13128), (51, 13146), (55, 13167), (57, 13197), (63, 13218), (67, 13242), (77, 13299),

Gene: Landor_21 Start: 15679, Stop: 16047, Start Num: 30
Candidate Starts for Landor_21:
(Start: 14 @15574 has 2 MA's), (Start: 22 @15631 has 2 MA's), (Start: 30 @15679 has 656 MA's), (38, 15736), (48, 15811), (55, 15889),

Gene: LappelDuVide_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for LappelDuVide_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Larenn_21 Start: 14215, Stop: 14583, Start Num: 30
Candidate Starts for Larenn_21:
(Start: 22 @14170 has 2 MA's), (Start: 30 @14215 has 656 MA's), (55, 14425), (60, 14470),

Gene: LarryKay_21 Start: 13381, Stop: 13749, Start Num: 30
Candidate Starts for LarryKay_21:

(13, 13291), (Start: 30 @13381 has 656 MA's), (Start: 32 @13417 has 1 MA's), (48, 13513), (55, 13591), (65, 13663), (68, 13687), (78, 13735),

Gene: LastResort_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for LastResort_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Lemur_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Lemur_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: LeoAvram_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for LeoAvram_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Leogania_22 Start: 16083, Stop: 16451, Start Num: 30
Candidate Starts for Leogania_22:
(Start: 22 @16035 has 2 MA's), (Start: 30 @16083 has 656 MA's), (48, 16215), (55, 16293),

Gene: Lesedi_17 Start: 13115, Stop: 13477, Start Num: 27
Candidate Starts for Lesedi_17:
(Start: 21 @13070 has 1 MA's), (Start: 27 @13115 has 220 MA's), (Start: 34 @13160 has 4 MA's), (Start: 37 @13172 has 1 MA's), (50, 13289), (51, 13307), (55, 13328), (57, 13358), (63, 13379), (67, 13403), (77, 13460),

Gene: Lev2_16 Start: 12129, Stop: 12491, Start Num: 30
Candidate Starts for Lev2_16:
(Start: 30 @12129 has 656 MA's), (45, 12231), (67, 12417),

Gene: Levia_18 Start: 14141, Stop: 14503, Start Num: 27
Candidate Starts for Levia_18:
(Start: 21 @14096 has 1 MA's), (Start: 27 @14141 has 220 MA's), (Start: 34 @14186 has 4 MA's), (Start: 37 @14198 has 1 MA's), (50, 14315), (51, 14333), (55, 14354), (57, 14384), (63, 14405), (67, 14429), (77, 14486),

Gene: Leviathan_22 Start: 14396, Stop: 14764, Start Num: 30
Candidate Starts for Leviathan_22:
(Start: 30 @14396 has 656 MA's), (38, 14453), (48, 14528), (55, 14606), (60, 14651),

Gene: Licorice_20 Start: 14267, Stop: 14629, Start Num: 27
Candidate Starts for Licorice_20:
(Start: 21 @14222 has 1 MA's), (Start: 27 @14267 has 220 MA's), (Start: 34 @14312 has 4 MA's), (Start: 37 @14324 has 1 MA's), (50, 14441), (51, 14459), (55, 14480), (57, 14510), (63, 14531), (67, 14555), (77, 14612),

Gene: LilBib_19 Start: 14197, Stop: 14559, Start Num: 27
Candidate Starts for LilBib_19:
(Start: 21 @14152 has 1 MA's), (Start: 27 @14197 has 220 MA's), (Start: 34 @14242 has 4 MA's), (Start: 37 @14254 has 1 MA's), (50, 14371), (51, 14389), (55, 14410), (57, 14440), (63, 14461), (67, 14485), (77, 14542),

Gene: LilTurb_22 Start: 14423, Stop: 14791, Start Num: 30
Candidate Starts for LilTurb_22:
(Start: 30 @14423 has 656 MA's), (38, 14480), (48, 14555), (55, 14633), (60, 14678),

Gene: Lilbunny_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for Lilbunny_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Lilith_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for Lilith_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Lilleskat_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for Lilleskat_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: Lillie_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Lillie_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: LionsBait_21 Start: 15697, Stop: 16065, Start Num: 30
Candidate Starts for LionsBait_21:
(Start: 14 @15592 has 2 MA's), (Start: 22 @15649 has 2 MA's), (Start: 30 @15697 has 656 MA's), (48, 15829), (55, 15907), (60, 15952),

Gene: LittleB_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for LittleB_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: LittleCherry_16 Start: 12312, Stop: 12674, Start Num: 30
Candidate Starts for LittleCherry_16:
(Start: 14 @12213 has 2 MA's), (20, 12246), (Start: 30 @12312 has 656 MA's), (Start: 32 @12342 has 1 MA's), (45, 12414), (59, 12555),

Gene: LittleGuy_19 Start: 13148, Stop: 13510, Start Num: 30
Candidate Starts for LittleGuy_19:
(Start: 30 @13148 has 656 MA's), (Start: 32 @13178 has 1 MA's), (52, 13343), (60, 13397), (65, 13424), (78, 13496),

Gene: LochMonster_19 Start: 13180, Stop: 13542, Start Num: 30
Candidate Starts for LochMonster_19:
(Start: 30 @13180 has 656 MA's), (Start: 32 @13210 has 1 MA's), (52, 13375), (60, 13429), (65, 13456), (78, 13528),

Gene: Lockley_18 Start: 13292, Stop: 13654, Start Num: 27
Candidate Starts for Lockley_18:
(Start: 21 @13247 has 1 MA's), (Start: 27 @13292 has 220 MA's), (Start: 34 @13337 has 4 MA's), (Start: 37 @13349 has 1 MA's), (41, 13367), (50, 13466), (51, 13484), (55, 13505), (57, 13535), (63,

13556), (67, 13580), (77, 13637),

Gene: LogiBear_22 Start: 13775, Stop: 14143, Start Num: 30
Candidate Starts for LogiBear_22:
(20, 13700), (Start: 30 @13775 has 656 MA's), (Start: 32 @13811 has 1 MA's), (Start: 34 @13817 has 4 MA's), (38, 13832), (55, 13985), (70, 14087),

Gene: Lokk_23 Start: 15621, Stop: 15989, Start Num: 30
Candidate Starts for Lokk_23:
(19, 15534), (Start: 22 @15564 has 2 MA's), (Start: 30 @15621 has 656 MA's), (Start: 39 @15681 has 1 MA's), (48, 15753), (55, 15831),

Gene: LoneWolf_21 Start: 14517, Stop: 14885, Start Num: 30
Candidate Starts for LoneWolf_21:
(Start: 22 @14469 has 2 MA's), (Start: 30 @14517 has 656 MA's), (38, 14574), (47, 14643), (55, 14727), (75, 14850),

Gene: Looper_23 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for Looper_23:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Lopton_19 Start: 14716, Stop: 15078, Start Num: 27
Candidate Starts for Lopton_19:
(Start: 21 @14671 has 1 MA's), (Start: 27 @14716 has 220 MA's), (Start: 34 @14761 has 4 MA's), (Start: 37 @14773 has 1 MA's), (50, 14890), (51, 14908), (55, 14929), (57, 14959), (63, 14980), (67, 15004), (77, 15061),

Gene: Lorenzo_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Lorenzo_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Loser_23 Start: 15723, Stop: 16091, Start Num: 30
Candidate Starts for Loser_23:
(Start: 22 @15672 has 2 MA's), (Start: 30 @15723 has 656 MA's), (38, 15780), (48, 15855), (55, 15933),

Gene: Louie6_21 Start: 13382, Stop: 13750, Start Num: 30
Candidate Starts for Louie6_21:
(13, 13292), (Start: 30 @13382 has 656 MA's), (Start: 32 @13418 has 1 MA's), (48, 13514), (55, 13592), (65, 13664), (78, 13736),

Gene: Lowa_21 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for Lowa_21:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: Luchador_21 Start: 14290, Stop: 14658, Start Num: 30
Candidate Starts for Luchador_21:
(Start: 22 @14239 has 2 MA's), (Start: 30 @14290 has 656 MA's), (Start: 37 @14344 has 1 MA's), (48, 14422), (55, 14500), (58, 14536),

Gene: Lucivia_20 Start: 14518, Stop: 14886, Start Num: 30
Candidate Starts for Lucivia_20:
(19, 14461), (20, 14467), (Start: 22 @14491 has 2 MA's), (Start: 30 @14518 has 656 MA's), (Start: 31 @14524 has 2 MA's), (48, 14650), (55, 14728), (72, 14839),

Gene: Lucyedi_21 Start: 14100, Stop: 14468, Start Num: 30
Candidate Starts for Lucyedi_21:
(Start: 14 @14016 has 2 MA's), (19, 14043), (Start: 30 @14100 has 656 MA's), (33, 14139), (38, 14157), (48, 14232), (55, 14310),

Gene: LugYA_23 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for LugYA_23:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: LunarLander_18 Start: 13071, Stop: 13433, Start Num: 27
Candidate Starts for LunarLander_18:
(Start: 21 @13026 has 1 MA's), (Start: 27 @13071 has 220 MA's), (Start: 34 @13116 has 4 MA's), (Start: 37 @13128 has 1 MA's), (50, 13245), (51, 13263), (55, 13284), (57, 13314), (63, 13335), (67, 13359), (77, 13416),

Gene: Lunsford_20 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Lunsford_20:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: MA5_19 Start: 12442, Stop: 12804, Start Num: 30
Candidate Starts for MA5_19:
(Start: 22 @12412 has 2 MA's), (Start: 30 @12442 has 656 MA's), (60, 12691), (78, 12790),

Gene: MK4_19 Start: 12732, Stop: 13094, Start Num: 30
Candidate Starts for MK4_19:
(Start: 22 @12702 has 2 MA's), (Start: 30 @12732 has 656 MA's), (Start: 34 @12768 has 4 MA's), (60, 12981), (64, 13002), (78, 13080),

Gene: MPlant7149_17 Start: 12926, Stop: 13288, Start Num: 27
Candidate Starts for MPlant7149_17:
(Start: 21 @12881 has 1 MA's), (Start: 27 @12926 has 220 MA's), (Start: 34 @12971 has 4 MA's), (Start: 37 @12983 has 1 MA's), (50, 13100), (51, 13118), (55, 13139), (57, 13169), (63, 13190), (67, 13214), (77, 13271),

Gene: MaCh_20 Start: 14466, Stop: 14834, Start Num: 30
Candidate Starts for MaCh_20:
(19, 14409), (20, 14415), (Start: 22 @14439 has 2 MA's), (Start: 30 @14466 has 656 MA's), (Start: 31 @14472 has 2 MA's), (48, 14598), (55, 14676), (72, 14787),

Gene: Mabel_20 Start: 14539, Stop: 14901, Start Num: 31
Candidate Starts for Mabel_20:
(19, 14476), (20, 14482), (Start: 22 @14506 has 2 MA's), (Start: 30 @14533 has 656 MA's), (Start: 31 @14539 has 2 MA's), (48, 14665), (55, 14743), (72, 14854),

Gene: MadMarie_21 Start: 13297, Stop: 13665, Start Num: 30
Candidate Starts for MadMarie_21:

(13, 13207), (Start: 30 @13297 has 656 MA's), (Start: 32 @13333 has 1 MA's), (48, 13429), (55, 13507), (65, 13579), (78, 13651),

Gene: Magnar_18 Start: 13073, Stop: 13435, Start Num: 27
Candidate Starts for Magnar_18:
(Start: 21 @13028 has 1 MA's), (Start: 27 @13073 has 220 MA's), (Start: 34 @13118 has 4 MA's), (Start: 37 @13130 has 1 MA's), (50, 13247), (51, 13265), (55, 13286), (57, 13316), (63, 13337), (67, 13361), (77, 13418),

Gene: Magnito_17 Start: 12837, Stop: 13199, Start Num: 27
Candidate Starts for Magnito_17:
(Start: 21 @12792 has 1 MA's), (Start: 27 @12837 has 220 MA's), (Start: 34 @12882 has 4 MA's), (Start: 37 @12894 has 1 MA's), (50, 13011), (51, 13029), (55, 13050), (57, 13080), (63, 13101), (67, 13125), (77, 13182),

Gene: Mainiac_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for Mainiac_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: MajorMajor_19 Start: 12861, Stop: 13229, Start Num: 30
Candidate Starts for MajorMajor_19:
(12, 12735), (19, 12780), (20, 12786), (Start: 22 @12810 has 2 MA's), (Start: 30 @12861 has 656 MA's), (38, 12918), (55, 13071),

Gene: Makemake_18 Start: 14566, Stop: 14928, Start Num: 27
Candidate Starts for Makemake_18:
(Start: 21 @14521 has 1 MA's), (Start: 27 @14566 has 220 MA's), (Start: 34 @14611 has 4 MA's), (Start: 37 @14623 has 1 MA's), (50, 14740), (51, 14758), (55, 14779), (57, 14809), (63, 14830), (67, 14854), (77, 14911),

Gene: Malec_21 Start: 14220, Stop: 14588, Start Num: 30
Candidate Starts for Malec_21:
(Start: 22 @14175 has 2 MA's), (Start: 30 @14220 has 656 MA's), (48, 14352), (55, 14430), (60, 14475), (75, 14553),

Gene: Malinsilva_23 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for Malinsilva_23:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: Maminiaina_21 Start: 14441, Stop: 14809, Start Num: 30
Candidate Starts for Maminiaina_21:
(Start: 22 @14393 has 2 MA's), (Start: 30 @14441 has 656 MA's), (38, 14498), (47, 14567), (55, 14651),

Gene: Manatee_19 Start: 13588, Stop: 13950, Start Num: 27
Candidate Starts for Manatee_19:
(Start: 21 @13543 has 1 MA's), (Start: 27 @13588 has 220 MA's), (Start: 34 @13633 has 4 MA's), (Start: 37 @13645 has 1 MA's), (50, 13762), (51, 13780), (55, 13801), (57, 13831), (63, 13852), (67, 13876), (77, 13933),

Gene: Manu_22 Start: 13369, Stop: 13737, Start Num: 30

Candidate Starts for Manu_22:
(13, 13279), (Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: MarQuardt_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for MarQuardt_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: Marcell_18 Start: 13586, Stop: 13948, Start Num: 27
Candidate Starts for Marcell_18:
(Start: 21 @13541 has 1 MA's), (Start: 27 @13586 has 220 MA's), (Start: 34 @13631 has 4 MA's), (Start: 37 @13643 has 1 MA's), (50, 13760), (51, 13778), (55, 13799), (57, 13829), (63, 13850), (67, 13874), (77, 13931),

Gene: Marchesa_19 Start: 12896, Stop: 13258, Start Num: 30
Candidate Starts for Marchesa_19:
(Start: 14 @12809 has 2 MA's), (Start: 21 @12854 has 1 MA's), (Start: 22 @12866 has 2 MA's), (Start: 30 @12896 has 656 MA's), (Start: 32 @12926 has 1 MA's), (60, 13145), (78, 13244),

Gene: Marchy_17 Start: 12916, Stop: 13278, Start Num: 27
Candidate Starts for Marchy_17:
(Start: 21 @12871 has 1 MA's), (Start: 27 @12916 has 220 MA's), (Start: 34 @12961 has 4 MA's), (Start: 37 @12973 has 1 MA's), (50, 13090), (51, 13108), (55, 13129), (56, 13156), (63, 13180), (67, 13204), (77, 13261),

Gene: Marco3_18 Start: 13561, Stop: 13923, Start Num: 27
Candidate Starts for Marco3_18:
(Start: 21 @13516 has 1 MA's), (Start: 27 @13561 has 220 MA's), (Start: 34 @13606 has 4 MA's), (Start: 37 @13618 has 1 MA's), (50, 13735), (51, 13753), (55, 13774), (57, 13804), (63, 13825), (67, 13849), (77, 13906),

Gene: Marge_19 Start: 13812, Stop: 14174, Start Num: 27
Candidate Starts for Marge_19:
(Start: 21 @13767 has 1 MA's), (Start: 27 @13812 has 220 MA's), (Start: 34 @13857 has 4 MA's), (Start: 37 @13869 has 1 MA's), (50, 13986), (51, 14004), (55, 14025), (57, 14055), (63, 14076), (67, 14100), (77, 14157),

Gene: Margo_20 Start: 13408, Stop: 13770, Start Num: 30
Candidate Starts for Margo_20:
(Start: 14 @13324 has 2 MA's), (Start: 22 @13381 has 2 MA's), (Start: 30 @13408 has 656 MA's), (52, 13603), (54, 13609), (60, 13657), (78, 13756),

Gene: Marie_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Marie_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Marius_22 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Marius_22:
(13, 13279), (Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Maroc7_17 Start: 13098, Stop: 13460, Start Num: 27
Candidate Starts for Maroc7_17:
(Start: 21 @13053 has 1 MA's), (Start: 27 @13098 has 220 MA's), (Start: 34 @13143 has 4 MA's), (Start: 37 @13155 has 1 MA's), (50, 13272), (51, 13290), (55, 13311), (57, 13341), (63, 13362), (67, 13386), (77, 13443),

Gene: Marsha_18 Start: 13854, Stop: 14216, Start Num: 27
Candidate Starts for Marsha_18:
(Start: 21 @13809 has 1 MA's), (Start: 27 @13854 has 220 MA's), (Start: 34 @13899 has 4 MA's), (Start: 37 @13911 has 1 MA's), (50, 14028), (51, 14046), (55, 14067), (57, 14097), (63, 14118), (67, 14142), (77, 14199),

Gene: MaryBeth_18 Start: 13520, Stop: 13882, Start Num: 27
Candidate Starts for MaryBeth_18:
(Start: 21 @13475 has 1 MA's), (Start: 27 @13520 has 220 MA's), (Start: 34 @13565 has 4 MA's), (Start: 37 @13577 has 1 MA's), (50, 13694), (51, 13712), (55, 13733), (57, 13763), (63, 13784), (67, 13808), (77, 13865),

Gene: MarysWell_15 Start: 12279, Stop: 12641, Start Num: 30
Candidate Starts for MarysWell_15:
(Start: 14 @12180 has 2 MA's), (20, 12213), (Start: 22 @12237 has 2 MA's), (Start: 30 @12279 has 656 MA's), (Start: 32 @12309 has 1 MA's), (45, 12381), (59, 12522),

Gene: Maverick_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Maverick_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Maxo_19 Start: 13203, Stop: 13565, Start Num: 30
Candidate Starts for Maxo_19:
(Start: 30 @13203 has 656 MA's), (Start: 32 @13233 has 1 MA's), (52, 13398), (60, 13452), (65, 13479), (78, 13551),

Gene: Mayonnaise_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Mayonnaise_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Mazhar510_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Mazhar510_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: McFly_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for McFly_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: McGuire_19 Start: 13407, Stop: 13769, Start Num: 27
Candidate Starts for McGuire_19:
(Start: 21 @13362 has 1 MA's), (Start: 27 @13407 has 220 MA's), (Start: 34 @13452 has 4 MA's), (Start: 37 @13464 has 1 MA's), (50, 13581), (51, 13599), (55, 13620), (57, 13650), (63, 13671), (67, 13695), (77, 13752),

Gene: McSinger_19 Start: 13781, Stop: 14143, Start Num: 27
Candidate Starts for McSinger_19:
(Start: 21 @13736 has 1 MA's), (Start: 27 @13781 has 220 MA's), (Start: 34 @13826 has 4 MA's), (Start: 37 @13838 has 1 MA's), (50, 13955), (51, 13973), (55, 13994), (57, 14024), (63, 14045), (67, 14069), (77, 14126),

Gene: Medusa_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Medusa_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: MeeZee_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for MeeZee_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: MegTheThird_19 Start: 12878, Stop: 13246, Start Num: 30
Candidate Starts for MegTheThird_19:
(Start: 30 @12878 has 656 MA's), (Start: 34 @12920 has 4 MA's), (38, 12935), (55, 13088),

Gene: Melvin_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Melvin_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: MetalQZJ_18 Start: 13520, Stop: 13882, Start Num: 27
Candidate Starts for MetalQZJ_18:
(Start: 21 @13475 has 1 MA's), (Start: 27 @13520 has 220 MA's), (Start: 34 @13565 has 4 MA's), (Start: 37 @13577 has 1 MA's), (50, 13694), (51, 13712), (55, 13733), (57, 13763), (63, 13784), (67, 13808), (77, 13865),

Gene: Methuselah_20 Start: 13378, Stop: 13746, Start Num: 30
Candidate Starts for Methuselah_20:
(13, 13288), (Start: 30 @13378 has 656 MA's), (Start: 32 @13414 has 1 MA's), (48, 13510), (55, 13588), (65, 13660), (78, 13732),

Gene: Micasa_16 Start: 12280, Stop: 12642, Start Num: 30
Candidate Starts for Micasa_16:
(Start: 14 @12181 has 2 MA's), (20, 12214), (Start: 30 @12280 has 656 MA's), (Start: 32 @12310 has 1 MA's), (45, 12382), (59, 12523),

Gene: Michley_18 Start: 13267, Stop: 13629, Start Num: 27
Candidate Starts for Michley_18:
(Start: 21 @13222 has 1 MA's), (Start: 27 @13267 has 220 MA's), (Start: 34 @13312 has 4 MA's), (Start: 37 @13324 has 1 MA's), (50, 13441), (55, 13480), (56, 13507), (67, 13555), (78, 13615),

Gene: Microwolf_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for Microwolf_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: MiculUcigas_20 Start: 13990, Stop: 14358, Start Num: 30

Candidate Starts for MiculUcigas_20:
(Start: 22 @13939 has 2 MA's), (Start: 30 @13990 has 656 MA's), (48, 14122), (55, 14200),

Gene: Midas2_16 Start: 12279, Stop: 12641, Start Num: 30
Candidate Starts for Midas2_16:
(Start: 14 @12180 has 2 MA's), (20, 12213), (Start: 30 @12279 has 656 MA's), (Start: 32 @12309 has 1 MA's), (45, 12381), (59, 12522),

Gene: Miko_23 Start: 15590, Stop: 15958, Start Num: 30
Candidate Starts for Miko_23:
(19, 15503), (Start: 22 @15533 has 2 MA's), (Start: 30 @15590 has 656 MA's), (Start: 39 @15650 has 1 MA's), (48, 15722), (55, 15800),

Gene: Milcery_16 Start: 12316, Stop: 12678, Start Num: 30
Candidate Starts for Milcery_16:
(Start: 14 @12217 has 2 MA's), (20, 12250), (Start: 30 @12316 has 656 MA's), (Start: 32 @12346 has 1 MA's), (45, 12418), (49, 12445), (59, 12559),

Gene: MilleFeuille_17 Start: 12844, Stop: 13206, Start Num: 27
Candidate Starts for MilleFeuille_17:
(Start: 21 @12799 has 1 MA's), (Start: 27 @12844 has 220 MA's), (Start: 34 @12889 has 4 MA's), (Start: 37 @12901 has 1 MA's), (50, 13018), (51, 13036), (55, 13057), (57, 13087), (63, 13108), (77, 13189),

Gene: Millski_19 Start: 13208, Stop: 13570, Start Num: 30
Candidate Starts for Millski_19:
(Start: 30 @13208 has 656 MA's), (Start: 32 @13238 has 1 MA's), (52, 13403), (60, 13457), (65, 13484), (78, 13556),

Gene: MinecraftSteve_23 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for MinecraftSteve_23:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: Minispark_18 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for Minispark_18:
(Start: 30 @12778 has 656 MA's), (38, 12835), (Start: 39 @12838 has 1 MA's), (55, 12988),

Gene: Miramae_19 Start: 13159, Stop: 13521, Start Num: 30
Candidate Starts for Miramae_19:
(Start: 30 @13159 has 656 MA's), (40, 13216), (47, 13279), (52, 13354), (60, 13408), (64, 13429), (78, 13507),

Gene: Misomonster_23 Start: 13378, Stop: 13746, Start Num: 30
Candidate Starts for Misomonster_23:
(13, 13288), (Start: 30 @13378 has 656 MA's), (Start: 32 @13414 has 1 MA's), (48, 13510), (55, 13588), (65, 13660), (78, 13732),

Gene: MissWhite_20 Start: 13022, Stop: 13390, Start Num: 30
Candidate Starts for MissWhite_20:
(Start: 22 @12977 has 2 MA's), (Start: 30 @13022 has 656 MA's), (48, 13154), (55, 13232),

Gene: Mkhuseli_19 Start: 13421, Stop: 13783, Start Num: 27

Candidate Starts for Mkhuseli_19:
(Start: 21 @13376 has 1 MA's), (Start: 27 @13421 has 220 MA's), (Start: 34 @13466 has 4 MA's), (Start: 37 @13478 has 1 MA's), (50, 13595), (51, 13613), (55, 13634), (57, 13664), (63, 13685), (67, 13709), (77, 13766),

Gene: Molly_19 Start: 13128, Stop: 13490, Start Num: 27
Candidate Starts for Molly_19:
(Start: 21 @13083 has 1 MA's), (Start: 27 @13128 has 220 MA's), (Start: 34 @13173 has 4 MA's), (Start: 37 @13185 has 1 MA's), (50, 13302), (51, 13320), (55, 13341), (57, 13371), (63, 13392), (67, 13416), (77, 13473),

Gene: Monet_20 Start: 14623, Stop: 14985, Start Num: 27
Candidate Starts for Monet_20:
(Start: 21 @14578 has 1 MA's), (Start: 27 @14623 has 220 MA's), (Start: 34 @14668 has 4 MA's), (Start: 37 @14680 has 1 MA's), (50, 14797), (51, 14815), (55, 14836), (57, 14866), (63, 14887), (67, 14911), (77, 14968),

Gene: MoneyMay_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for MoneyMay_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Montavir_20 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for Montavir_20:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Moose_17 Start: 13364, Stop: 13726, Start Num: 27
Candidate Starts for Moose_17:
(Start: 21 @13319 has 1 MA's), (Start: 27 @13364 has 220 MA's), (Start: 34 @13409 has 4 MA's), (Start: 37 @13421 has 1 MA's), (50, 13538), (51, 13556), (55, 13577), (57, 13607), (63, 13628), (67, 13652), (77, 13709),

Gene: Morpher26_19 Start: 13213, Stop: 13575, Start Num: 30
Candidate Starts for Morpher26_19:
(17, 13135), (19, 13156), (Start: 30 @13213 has 656 MA's), (40, 13270), (60, 13462), (64, 13483), (78, 13561),

Gene: Morrow_19 Start: 13208, Stop: 13570, Start Num: 30
Candidate Starts for Morrow_19:
(Start: 30 @13208 has 656 MA's), (Start: 32 @13238 has 1 MA's), (52, 13403), (60, 13457), (65, 13484), (78, 13556),

Gene: MrGordo_18 Start: 13080, Stop: 13442, Start Num: 27
Candidate Starts for MrGordo_18:
(Start: 21 @13035 has 1 MA's), (Start: 27 @13080 has 220 MA's), (Start: 34 @13125 has 4 MA's), (Start: 37 @13137 has 1 MA's), (50, 13254), (55, 13293), (56, 13320), (67, 13368), (78, 13428),

Gene: Mryolo_17 Start: 13114, Stop: 13476, Start Num: 27
Candidate Starts for Mryolo_17:
(Start: 21 @13069 has 1 MA's), (Start: 27 @13114 has 220 MA's), (Start: 34 @13159 has 4 MA's), (Start: 37 @13171 has 1 MA's), (50, 13288), (51, 13306), (55, 13327), (56, 13354), (63, 13378), (67, 13402), (77, 13459),

Gene: MuchMore_23 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for MuchMore_23:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: Mulciber_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Mulciber_20:
(Start: 14 @14385 has 2 MA's), (19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (67, 14763), (72, 14790),

Gene: Mule_18 Start: 13402, Stop: 13764, Start Num: 27
Candidate Starts for Mule_18:
(Start: 21 @13357 has 1 MA's), (Start: 27 @13402 has 220 MA's), (Start: 34 @13447 has 4 MA's), (Start: 37 @13459 has 1 MA's), (50, 13576), (51, 13594), (55, 13615), (57, 13645), (63, 13666), (67, 13690), (77, 13747),

Gene: Munch_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Munch_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: Mundrea_19 Start: 13179, Stop: 13541, Start Num: 30
Candidate Starts for Mundrea_19:
(17, 13101), (19, 13122), (Start: 30 @13179 has 656 MA's), (47, 13299), (52, 13374), (60, 13428), (65, 13455), (78, 13527),

Gene: Museum_20 Start: 13421, Stop: 13783, Start Num: 27
Candidate Starts for Museum_20:
(Start: 21 @13376 has 1 MA's), (Start: 27 @13421 has 220 MA's), (Start: 34 @13466 has 4 MA's), (Start: 37 @13478 has 1 MA's), (50, 13595), (51, 13613), (55, 13634), (57, 13664), (63, 13685), (67, 13709), (77, 13766),

Gene: MyraDee_17 Start: 11426, Stop: 11803, Start Num: 30
Candidate Starts for MyraDee_17:
(13, 11339), (Start: 30 @11426 has 656 MA's), (49, 11561), (55, 11636), (58, 11663), (60, 11672), (76, 11777),

Gene: Myxus_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for Myxus_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: NEHalo_18 Start: 13150, Stop: 13512, Start Num: 27
Candidate Starts for NEHalo_18:
(Start: 21 @13105 has 1 MA's), (Start: 27 @13150 has 220 MA's), (Start: 34 @13195 has 4 MA's), (Start: 37 @13207 has 1 MA's), (50, 13324), (51, 13342), (55, 13363), (57, 13393), (63, 13414), (67, 13438), (77, 13495),

Gene: NaSiaTalie_20 Start: 13987, Stop: 14355, Start Num: 30
Candidate Starts for NaSiaTalie_20:
(Start: 22 @13936 has 2 MA's), (Start: 30 @13987 has 656 MA's), (48, 14119), (55, 14197),

Gene: Naca_16 Start: 12233, Stop: 12595, Start Num: 30
Candidate Starts for Naca_16:
(20, 12167), (Start: 30 @12233 has 656 MA's), (Start: 32 @12263 has 1 MA's), (45, 12335),

Gene: Naiad_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Naiad_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Naira_19 Start: 14902, Stop: 15264, Start Num: 27
Candidate Starts for Naira_19:
(Start: 21 @14857 has 1 MA's), (Start: 27 @14902 has 220 MA's), (Start: 34 @14947 has 4 MA's), (Start: 37 @14959 has 1 MA's), (50, 15076), (51, 15094), (55, 15115), (56, 15142), (63, 15166), (67, 15190), (77, 15247),

Gene: Naji_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for Naji_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: Nancinator_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Nancinator_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Natosaleda_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Natosaleda_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: NearlyHeadless_16 Start: 11909, Stop: 12268, Start Num: 30
Candidate Starts for NearlyHeadless_16:
(Start: 30 @11909 has 656 MA's), (Start: 32 @11945 has 1 MA's), (38, 11966), (54, 12116),

Gene: Nebs_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Nebs_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Nebulosus_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for Nebulosus_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Nedarya_21 Start: 13637, Stop: 14005, Start Num: 30
Candidate Starts for Nedarya_21:
(25, 13598), (Start: 30 @13637 has 656 MA's), (38, 13694), (48, 13769), (55, 13847), (67, 13931),

Gene: Neeharika16_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for Neeharika16_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Nemo27_19 Start: 13234, Stop: 13566, Start Num: 32
Candidate Starts for Nemo27_19:

(Start: 30 @13204 has 656 MA's), (Start: 32 @13234 has 1 MA's), (52, 13399), (60, 13453), (65, 13480), (78, 13552),

Gene: Nerujay_19 Start: 13826, Stop: 14188, Start Num: 27
Candidate Starts for Nerujay_19:
(Start: 21 @13781 has 1 MA's), (Start: 27 @13826 has 220 MA's), (Start: 34 @13871 has 4 MA's), (Start: 37 @13883 has 1 MA's), (50, 14000), (51, 14018), (55, 14039), (57, 14069), (63, 14090), (67, 14114), (77, 14171),

Gene: Newrala_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for Newrala_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: Nhonho_18 Start: 13579, Stop: 13941, Start Num: 27
Candidate Starts for Nhonho_18:
(Start: 21 @13534 has 1 MA's), (Start: 27 @13579 has 220 MA's), (Start: 34 @13624 has 4 MA's), (Start: 37 @13636 has 1 MA's), (50, 13753), (51, 13771), (55, 13792), (57, 13822), (63, 13843), (67, 13867), (77, 13924),

Gene: NicoleTera_24 Start: 15698, Stop: 16066, Start Num: 30
Candidate Starts for NicoleTera_24:
(Start: 14 @15593 has 2 MA's), (Start: 30 @15698 has 656 MA's), (48, 15830), (55, 15908), (60, 15953),

Gene: Niza_20 Start: 14437, Stop: 14799, Start Num: 27
Candidate Starts for Niza_20:
(Start: 21 @14392 has 1 MA's), (Start: 27 @14437 has 220 MA's), (Start: 34 @14482 has 4 MA's), (Start: 37 @14494 has 1 MA's), (50, 14611), (51, 14629), (55, 14650), (57, 14680), (63, 14701), (67, 14725), (77, 14782),

Gene: Noella_20 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Noella_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Noelle_19 Start: 13265, Stop: 13627, Start Num: 30
Candidate Starts for Noelle_19:
(Start: 30 @13265 has 656 MA's), (40, 13322), (47, 13385), (52, 13460), (60, 13514), (64, 13535), (78, 13613),

Gene: Norbert_19 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Norbert_19:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: NorthStar_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for NorthStar_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Northrop_19 Start: 13201, Stop: 13563, Start Num: 30
Candidate Starts for Northrop_19:

(Start: 30 @13201 has 656 MA's), (Start: 32 @13231 has 1 MA's), (52, 13396), (60, 13450), (65, 13477), (78, 13549),

Gene: Norz_20 Start: 14073, Stop: 14435, Start Num: 27
Candidate Starts for Norz_20:
(Start: 21 @14028 has 1 MA's), (Start: 27 @14073 has 220 MA's), (Start: 34 @14118 has 4 MA's), (Start: 37 @14130 has 1 MA's), (50, 14247), (51, 14265), (55, 14286), (57, 14316), (63, 14337), (67, 14361), (77, 14418),

Gene: NotAPhaseMom_19 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for NotAPhaseMom_19:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: NothingSpecial_22 Start: 15957, Stop: 16325, Start Num: 30
Candidate Starts for NothingSpecial_22:
(Start: 14 @15852 has 2 MA's), (Start: 22 @15909 has 2 MA's), (Start: 30 @15957 has 656 MA's), (38, 16014), (48, 16089), (55, 16167), (59, 16206),

Gene: Noxious_20 Start: 14388, Stop: 14750, Start Num: 27
Candidate Starts for Noxious_20:
(Start: 21 @14343 has 1 MA's), (Start: 27 @14388 has 220 MA's), (Start: 34 @14433 has 4 MA's), (Start: 37 @14445 has 1 MA's), (50, 14562), (51, 14580), (55, 14601), (57, 14631), (63, 14652), (77, 14733),

Gene: Nyxis_19 Start: 13148, Stop: 13510, Start Num: 30
Candidate Starts for Nyxis_19:
(Start: 30 @13148 has 656 MA's), (Start: 32 @13178 has 1 MA's), (52, 13343), (60, 13397), (65, 13424), (78, 13496),

Gene: OKCentral2016_19 Start: 12685, Stop: 13047, Start Num: 30
Candidate Starts for OKCentral2016_19:
(17, 12604), (Start: 30 @12685 has 656 MA's), (58, 12925), (60, 12934), (65, 12961), (78, 13033),

Gene: OKaNui_20 Start: 13258, Stop: 13620, Start Num: 30
Candidate Starts for OKaNui_20:
(Start: 30 @13258 has 656 MA's), (Start: 32 @13288 has 1 MA's), (52, 13453), (60, 13507), (65, 13534), (78, 13606),

Gene: Obama12_20 Start: 13519, Stop: 13881, Start Num: 30
Candidate Starts for Obama12_20:
(Start: 30 @13519 has 656 MA's), (Start: 32 @13549 has 1 MA's), (52, 13714), (60, 13768), (65, 13795), (78, 13867),

Gene: Odin_19 Start: 12729, Stop: 13097, Start Num: 30
Candidate Starts for Odin_19:
(Start: 14 @12624 has 2 MA's), (Start: 22 @12681 has 2 MA's), (Start: 30 @12729 has 656 MA's), (38, 12786), (48, 12861), (55, 12939),

Gene: Ohfah_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Ohfah_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Ohno789_18 Start: 13220, Stop: 13582, Start Num: 27
Candidate Starts for Ohno789_18:
(Start: 21 @13175 has 1 MA's), (Start: 27 @13220 has 220 MA's), (Start: 34 @13265 has 4 MA's), (Start: 37 @13277 has 1 MA's), (50, 13394), (51, 13412), (55, 13433), (57, 13463), (63, 13484), (67, 13508), (77, 13565),

Gene: OlanP_21 Start: 13549, Stop: 13917, Start Num: 30
Candidate Starts for OlanP_21:
(13, 13459), (Start: 30 @13549 has 656 MA's), (Start: 32 @13585 has 1 MA's), (48, 13681), (55, 13759), (78, 13903),

Gene: Ollie_21 Start: 13166, Stop: 13534, Start Num: 30
Candidate Starts for Ollie_21:
(13, 13076), (Start: 30 @13166 has 656 MA's), (Start: 32 @13202 has 1 MA's), (48, 13298), (55, 13376), (65, 13448), (78, 13520),

Gene: Onglai_20 Start: 13042, Stop: 13410, Start Num: 30
Candidate Starts for Onglai_20:
(Start: 14 @12937 has 2 MA's), (20, 12970), (Start: 22 @12994 has 2 MA's), (Start: 30 @13042 has 656 MA's), (Start: 34 @13084 has 4 MA's), (38, 13099), (47, 13168), (55, 13252),

Gene: Oofda_22 Start: 13019, Stop: 13387, Start Num: 30
Candidate Starts for Oofda_22:
(11, 12848), (15, 12875), (28, 13001), (Start: 30 @13019 has 656 MA's), (38, 13076), (Start: 39 @13079 has 1 MA's), (55, 13229), (67, 13313),

Gene: Oogway_17 Start: 13332, Stop: 13694, Start Num: 27
Candidate Starts for Oogway_17:
(Start: 21 @13287 has 1 MA's), (Start: 27 @13332 has 220 MA's), (Start: 34 @13377 has 4 MA's), (Start: 37 @13389 has 1 MA's), (50, 13506), (51, 13524), (55, 13545), (56, 13572), (63, 13596), (67, 13620), (77, 13677),

Gene: Orange_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Orange_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: P28Green_21 Start: 13294, Stop: 13662, Start Num: 30
Candidate Starts for P28Green_21:
(13, 13204), (Start: 30 @13294 has 656 MA's), (Start: 32 @13330 has 1 MA's), (48, 13426), (55, 13504), (65, 13576), (78, 13648),

Gene: PGHhamlin_23 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for PGHhamlin_23:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: PP_29 Start: 19074, Stop: 19457, Start Num: 30
Candidate Starts for PP_29:
(20, 19008), (23, 19035), (Start: 30 @19074 has 656 MA's), (Start: 32 @19104 has 1 MA's), (38, 19125), (48, 19200), (60, 19323), (78, 19443),

Gene: PSullivan_20 Start: 13830, Stop: 14192, Start Num: 27
Candidate Starts for PSullivan_20:
(Start: 21 @13785 has 1 MA's), (Start: 27 @13830 has 220 MA's), (Start: 34 @13875 has 4 MA's), (Start: 37 @13887 has 1 MA's), (50, 14004), (51, 14022), (55, 14043), (57, 14073), (67, 14118), (78, 14178),

Gene: PacerPaul_18 Start: 13597, Stop: 13959, Start Num: 27
Candidate Starts for PacerPaul_18:
(Start: 21 @13552 has 1 MA's), (Start: 27 @13597 has 220 MA's), (Start: 34 @13642 has 4 MA's), (Start: 37 @13654 has 1 MA's), (50, 13771), (51, 13789), (55, 13810), (57, 13840), (67, 13885), (77, 13942),

Gene: PackMan_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for PackMan_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: PainterBoy_21 Start: 14100, Stop: 14468, Start Num: 30
Candidate Starts for PainterBoy_21:
(Start: 14 @14016 has 2 MA's), (19, 14043), (Start: 30 @14100 has 656 MA's), (33, 14139), (38, 14157), (48, 14232), (55, 14310),

Gene: Palestino_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Palestino_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Panamaxus_19 Start: 13299, Stop: 13745, Start Num: 14
Candidate Starts for Panamaxus_19:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Papez_20 Start: 15049, Stop: 15411, Start Num: 27
Candidate Starts for Papez_20:
(Start: 21 @15004 has 1 MA's), (Start: 27 @15049 has 220 MA's), (Start: 34 @15094 has 4 MA's), (Start: 37 @15106 has 1 MA's), (50, 15223), (51, 15241), (55, 15262), (57, 15292), (63, 15313), (67, 15337), (77, 15394),

Gene: Paphu_17 Start: 12786, Stop: 13148, Start Num: 27
Candidate Starts for Paphu_17:
(Start: 21 @12741 has 1 MA's), (Start: 27 @12786 has 220 MA's), (Start: 34 @12831 has 4 MA's), (Start: 37 @12843 has 1 MA's), (50, 12960), (51, 12978), (55, 12999), (57, 13029), (63, 13050), (67, 13074), (77, 13131),

Gene: Paraselene_17 Start: 13102, Stop: 13464, Start Num: 27
Candidate Starts for Paraselene_17:
(Start: 21 @13057 has 1 MA's), (Start: 27 @13102 has 220 MA's), (Start: 34 @13147 has 4 MA's), (Start: 37 @13159 has 1 MA's), (50, 13276), (51, 13294), (55, 13315), (57, 13345), (63, 13366), (67, 13390), (77, 13447),

Gene: Pari_19 Start: 13577, Stop: 13939, Start Num: 27
Candidate Starts for Pari_19:

(Start: 21 @13532 has 1 MA's), (Start: 27 @13577 has 220 MA's), (Start: 34 @13622 has 4 MA's), (Start: 37 @13634 has 1 MA's), (50, 13751), (51, 13769), (55, 13790), (57, 13820), (63, 13841), (67, 13865), (77, 13922),

Gene: Parliament_17 Start: 13466, Stop: 13828, Start Num: 27
Candidate Starts for Parliament_17:
(Start: 21 @13421 has 1 MA's), (Start: 27 @13466 has 220 MA's), (Start: 34 @13511 has 4 MA's), (Start: 37 @13523 has 1 MA's), (50, 13640), (51, 13658), (55, 13679), (56, 13706), (63, 13730), (67, 13754), (77, 13811),

Gene: Partridge_15 Start: 9320, Stop: 9676, Start Num: 30
Candidate Starts for Partridge_15:
(18, 9248), (Start: 30 @9320 has 656 MA's), (35, 9362), (38, 9371), (42, 9395), (52, 9518), (55, 9527), (61, 9572),

Gene: PascalRango_17 Start: 13021, Stop: 13383, Start Num: 27
Candidate Starts for PascalRango_17:
(Start: 21 @12976 has 1 MA's), (Start: 27 @13021 has 220 MA's), (Start: 34 @13066 has 4 MA's), (Start: 37 @13078 has 1 MA's), (50, 13195), (51, 13213), (55, 13234), (57, 13264), (63, 13285), (67, 13309), (77, 13366),

Gene: PattyP_20 Start: 13630, Stop: 13992, Start Num: 27
Candidate Starts for PattyP_20:
(Start: 21 @13585 has 1 MA's), (Start: 27 @13630 has 220 MA's), (Start: 34 @13675 has 4 MA's), (Start: 37 @13687 has 1 MA's), (50, 13804), (51, 13822), (55, 13843), (57, 13873), (63, 13894), (67, 13918), (77, 13975),

Gene: Pawn_21 Start: 13369, Stop: 13737, Start Num: 30
Candidate Starts for Pawn_21:
(13, 13279), (Start: 30 @13369 has 656 MA's), (Start: 32 @13405 has 1 MA's), (48, 13501), (55, 13579), (78, 13723),

Gene: Payneful_18 Start: 12916, Stop: 13278, Start Num: 27
Candidate Starts for Payneful_18:
(Start: 21 @12871 has 1 MA's), (Start: 27 @12916 has 220 MA's), (Start: 34 @12961 has 4 MA's), (Start: 37 @12973 has 1 MA's), (50, 13090), (51, 13108), (55, 13129), (56, 13156), (63, 13180), (67, 13204), (77, 13261),

Gene: PeaceMeal1_18 Start: 11084, Stop: 11446, Start Num: 30
Candidate Starts for PeaceMeal1_18:
(17, 11003), (Start: 30 @11084 has 656 MA's), (36, 11129), (48, 11210), (60, 11333), (78, 11432),

Gene: Peaches_19 Start: 13204, Stop: 13566, Start Num: 30
Candidate Starts for Peaches_19:
(Start: 30 @13204 has 656 MA's), (Start: 32 @13234 has 1 MA's), (52, 13399), (60, 13453), (65, 13480), (78, 13552),

Gene: Pelly_19 Start: 13866, Stop: 14228, Start Num: 27
Candidate Starts for Pelly_19:
(Start: 21 @13821 has 1 MA's), (Start: 27 @13866 has 220 MA's), (Start: 34 @13911 has 4 MA's), (Start: 37 @13923 has 1 MA's), (50, 14040), (51, 14058), (55, 14079), (57, 14109), (63, 14130), (67, 14154), (77, 14211),

Gene: Pembroke_21 Start: 13296, Stop: 13664, Start Num: 30
Candidate Starts for Pembroke_21:
(13, 13206), (Start: 30 @13296 has 656 MA's), (Start: 32 @13332 has 1 MA's), (48, 13428), (55, 13506), (65, 13578), (78, 13650),

Gene: Penny1_21 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for Penny1_21:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Pepe_19 Start: 13821, Stop: 14183, Start Num: 27
Candidate Starts for Pepe_19:
(Start: 21 @13776 has 1 MA's), (Start: 27 @13821 has 220 MA's), (Start: 37 @13878 has 1 MA's), (50, 13995), (51, 14013), (55, 14034), (57, 14064), (67, 14109), (77, 14166),

Gene: Perplexer_19 Start: 13207, Stop: 13569, Start Num: 30
Candidate Starts for Perplexer_19:
(17, 13129), (19, 13150), (Start: 30 @13207 has 656 MA's), (40, 13264), (60, 13456), (64, 13477), (78, 13555),

Gene: Perseus_19 Start: 13485, Stop: 13847, Start Num: 27
Candidate Starts for Perseus_19:
(Start: 21 @13440 has 1 MA's), (Start: 27 @13485 has 220 MA's), (Start: 34 @13530 has 4 MA's), (Start: 37 @13542 has 1 MA's), (50, 13659), (51, 13677), (55, 13698), (57, 13728), (63, 13749), (67, 13773), (77, 13830),

Gene: PeterPeter_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for PeterPeter_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Petersenfast_20 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Petersenfast_20:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (67, 14766), (72, 14793),

Gene: Peterson_21 Start: 15076, Stop: 15438, Start Num: 27
Candidate Starts for Peterson_21:
(Start: 21 @15031 has 1 MA's), (Start: 27 @15076 has 220 MA's), (Start: 34 @15121 has 4 MA's), (50, 15250), (51, 15268), (55, 15289), (57, 15319), (63, 15340), (67, 15364),

Gene: PetiteSangsue_19 Start: 13213, Stop: 13575, Start Num: 30
Candidate Starts for PetiteSangsue_19:
(17, 13135), (19, 13156), (Start: 30 @13213 has 656 MA's), (40, 13270), (60, 13462), (64, 13483), (78, 13561),

Gene: Petp2012_20 Start: 14298, Stop: 14660, Start Num: 27
Candidate Starts for Petp2012_20:
(Start: 21 @14253 has 1 MA's), (Start: 27 @14298 has 220 MA's), (Start: 34 @14343 has 4 MA's), (Start: 37 @14355 has 1 MA's), (50, 14472), (51, 14490), (55, 14511), (57, 14541), (63, 14562), (67, 14586), (77, 14643),

Gene: Petruchio_18 Start: 13327, Stop: 13689, Start Num: 27
Candidate Starts for Petruchio_18:
(Start: 21 @13282 has 1 MA's), (Start: 27 @13327 has 220 MA's), (Start: 34 @13372 has 4 MA's), (Start: 37 @13384 has 1 MA's), (50, 13501), (51, 13519), (55, 13540), (57, 13570), (63, 13591), (77, 13672),

Gene: PetterN_17 Start: 12120, Stop: 12482, Start Num: 30
Candidate Starts for PetterN_17:
(20, 12054), (Start: 30 @12120 has 656 MA's), (Start: 32 @12150 has 1 MA's), (45, 12222), (59, 12363),

Gene: Ph8s_21 Start: 12688, Stop: 13056, Start Num: 30
Candidate Starts for Ph8s_21:
(Start: 22 @12640 has 2 MA's), (Start: 30 @12688 has 656 MA's), (38, 12745), (55, 12898),

Gene: Phacado_19 Start: 13204, Stop: 13566, Start Num: 30
Candidate Starts for Phacado_19:
(Start: 30 @13204 has 656 MA's), (Start: 32 @13234 has 1 MA's), (52, 13399), (60, 13453), (65, 13480), (78, 13552),

Gene: Phaded_23 Start: 16026, Stop: 16394, Start Num: 30
Candidate Starts for Phaded_23:
(Start: 14 @15921 has 2 MA's), (Start: 22 @15978 has 2 MA's), (Start: 30 @16026 has 656 MA's), (38, 16083), (48, 16158), (55, 16236),

Gene: Phaeder_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for Phaeder_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: PhailMary_14 Start: 9303, Stop: 9659, Start Num: 30
Candidate Starts for PhailMary_14:
(18, 9231), (Start: 30 @9303 has 656 MA's), (35, 9345), (38, 9354), (42, 9378), (52, 9501), (55, 9510), (61, 9555),

Gene: Phantastic_19 Start: 12811, Stop: 13173, Start Num: 30
Candidate Starts for Phantastic_19:
(Start: 21 @12769 has 1 MA's), (Start: 22 @12781 has 2 MA's), (Start: 30 @12811 has 656 MA's), (Start: 32 @12841 has 1 MA's), (44, 12907), (60, 13060), (78, 13159),

Gene: Pharaoh_20 Start: 14464, Stop: 14832, Start Num: 30
Candidate Starts for Pharaoh_20:
(Start: 14 @14350 has 2 MA's), (Start: 22 @14407 has 2 MA's), (Start: 30 @14464 has 656 MA's), (Start: 32 @14500 has 1 MA's), (38, 14521), (Start: 39 @14524 has 1 MA's), (48, 14596), (55, 14674),

Gene: Phelipe_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Phelipe_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: PherrisBueller_19 Start: 13250, Stop: 13612, Start Num: 27
Candidate Starts for PherrisBueller_19:

(Start: 21 @13205 has 1 MA's), (Start: 27 @13250 has 220 MA's), (Start: 34 @13295 has 4 MA's), (Start: 37 @13307 has 1 MA's), (50, 13424), (51, 13442), (55, 13463), (57, 13493), (63, 13514), (67, 13538), (78, 13598),

Gene: Phighter1804_19 Start: 13183, Stop: 13545, Start Num: 30
Candidate Starts for Phighter1804_19:
(Start: 30 @13183 has 656 MA's), (Start: 32 @13213 has 1 MA's), (52, 13378), (60, 13432), (65, 13459), (78, 13531),

Gene: Phillis_16 Start: 11867, Stop: 12226, Start Num: 30
Candidate Starts for Phillis_16:
(Start: 30 @11867 has 656 MA's), (Start: 32 @11903 has 1 MA's), (38, 11924), (54, 12074),

Gene: PhineBark_17 Start: 14141, Stop: 14503, Start Num: 27
Candidate Starts for PhineBark_17:
(Start: 21 @14096 has 1 MA's), (Start: 27 @14141 has 220 MA's), (Start: 34 @14186 has 4 MA's), (Start: 37 @14198 has 1 MA's), (50, 14315), (51, 14333), (55, 14354), (57, 14384), (63, 14405), (67, 14429), (77, 14486),

Gene: PhishRPhriends_20 Start: 12554, Stop: 12922, Start Num: 30
Candidate Starts for PhishRPhriends_20:
(13, 12464), (Start: 30 @12554 has 656 MA's), (Start: 32 @12590 has 1 MA's), (55, 12764), (78, 12908),

Gene: Phlei_15 Start: 14539, Stop: 14907, Start Num: 30
Candidate Starts for Phlei_15:
(19, 14482), (Start: 22 @14512 has 2 MA's), (Start: 30 @14539 has 656 MA's), (49, 14674), (55, 14749), (67, 14833), (78, 14893),

Gene: Phlippers_17 Start: 14321, Stop: 14683, Start Num: 27
Candidate Starts for Phlippers_17:
(Start: 21 @14276 has 1 MA's), (Start: 27 @14321 has 220 MA's), (Start: 34 @14366 has 4 MA's), (Start: 37 @14378 has 1 MA's), (50, 14495), (51, 14513), (55, 14534), (57, 14564), (63, 14585), (67, 14609), (77, 14666),

Gene: Phlorence_16 Start: 12416, Stop: 12778, Start Num: 30
Candidate Starts for Phlorence_16:
(Start: 30 @12416 has 656 MA's), (45, 12518), (67, 12704),

Gene: Phoebe_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Phoebe_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Phonnegut_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Phonnegut_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: Phontbonne_19 Start: 13149, Stop: 13511, Start Num: 30
Candidate Starts for Phontbonne_19:
(Start: 30 @13149 has 656 MA's), (Start: 32 @13179 has 1 MA's), (52, 13344), (60, 13398), (65, 13425), (78, 13497),

Gene: Phoxy_21 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for Phoxy_21:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: Phrankenstein_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Phrankenstein_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Phranny_22 Start: 13361, Stop: 13729, Start Num: 30
Candidate Starts for Phranny_22:
(13, 13271), (Start: 30 @13361 has 656 MA's), (Start: 32 @13397 has 1 MA's), (55, 13571), (78, 13715),

Gene: PhrostyMug_18 Start: 13399, Stop: 13761, Start Num: 27
Candidate Starts for PhrostyMug_18:
(Start: 21 @13354 has 1 MA's), (Start: 27 @13399 has 220 MA's), (Start: 34 @13444 has 4 MA's), (Start: 37 @13456 has 1 MA's), (50, 13573), (51, 13591), (55, 13612), (57, 13642), (63, 13663), (67, 13687), (77, 13744),

Gene: PickleBack_16 Start: 12130, Stop: 12492, Start Num: 30
Candidate Starts for PickleBack_16:
(Start: 30 @12130 has 656 MA's), (45, 12232), (67, 12418),

Gene: PinkPlastic_17 Start: 13164, Stop: 13526, Start Num: 27
Candidate Starts for PinkPlastic_17:
(Start: 21 @13119 has 1 MA's), (Start: 27 @13164 has 220 MA's), (Start: 34 @13209 has 4 MA's), (Start: 37 @13221 has 1 MA's), (50, 13338), (51, 13356), (55, 13377), (57, 13407), (63, 13428), (67, 13452), (77, 13509),

Gene: Pinto_20 Start: 13481, Stop: 13843, Start Num: 27
Candidate Starts for Pinto_20:
(Start: 21 @13436 has 1 MA's), (Start: 27 @13481 has 220 MA's), (Start: 34 @13526 has 4 MA's), (Start: 37 @13538 has 1 MA's), (50, 13655), (51, 13673), (55, 13694), (57, 13724), (63, 13745), (67, 13769), (77, 13826),

Gene: Pioneer_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Pioneer_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: Pipcraft_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Pipcraft_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Pippin_20 Start: 13733, Stop: 14095, Start Num: 27
Candidate Starts for Pippin_20:
(Start: 21 @13688 has 1 MA's), (Start: 27 @13733 has 220 MA's), (Start: 34 @13778 has 4 MA's), (Start: 37 @13790 has 1 MA's), (50, 13907), (51, 13925), (55, 13946), (57, 13976), (63, 13997), (67, 14021), (77, 14078),

Gene: Piro94_21 Start: 14448, Stop: 14816, Start Num: 30
Candidate Starts for Piro94_21:
(Start: 22 @14397 has 2 MA's), (Start: 30 @14448 has 656 MA's), (48, 14580), (55, 14658),

Gene: Pistachio_20 Start: 12392, Stop: 12754, Start Num: 30
Candidate Starts for Pistachio_20:
(Start: 14 @12305 has 2 MA's), (Start: 21 @12350 has 1 MA's), (Start: 22 @12362 has 2 MA's), (Start: 30 @12392 has 656 MA's), (Start: 32 @12422 has 1 MA's), (60, 12641), (78, 12740),

Gene: Pita2_20 Start: 13830, Stop: 14192, Start Num: 27
Candidate Starts for Pita2_20:
(Start: 21 @13785 has 1 MA's), (Start: 27 @13830 has 220 MA's), (Start: 34 @13875 has 4 MA's), (Start: 37 @13887 has 1 MA's), (50, 14004), (51, 14022), (55, 14043), (57, 14073), (67, 14118), (78, 14178),

Gene: Pmask_23 Start: 14041, Stop: 14409, Start Num: 30
Candidate Starts for Pmask_23:
(Start: 22 @13996 has 2 MA's), (Start: 30 @14041 has 656 MA's), (38, 14098), (Start: 39 @14101 has 1 MA's), (48, 14173), (55, 14251),

Gene: Pocahontas_20 Start: 13380, Stop: 13742, Start Num: 30
Candidate Starts for Pocahontas_20:
(Start: 14 @13296 has 2 MA's), (Start: 22 @13353 has 2 MA's), (Start: 30 @13380 has 656 MA's), (52, 13575), (54, 13581), (60, 13629), (78, 13728),

Gene: Polymorphads_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Polymorphads_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Polyphemus_23 Start: 14042, Stop: 14410, Start Num: 30
Candidate Starts for Polyphemus_23:
(Start: 22 @13997 has 2 MA's), (Start: 30 @14042 has 656 MA's), (38, 14099), (Start: 39 @14102 has 1 MA's), (48, 14174), (55, 14252),

Gene: Pomar16_23 Start: 13878, Stop: 14246, Start Num: 30
Candidate Starts for Pomar16_23:
(Start: 14 @13773 has 2 MA's), (Start: 30 @13878 has 656 MA's), (Start: 32 @13914 has 1 MA's), (55, 14088),

Gene: Poompha_18 Start: 11082, Stop: 11444, Start Num: 30
Candidate Starts for Poompha_18:
(17, 11001), (Start: 30 @11082 has 656 MA's), (36, 11127), (48, 11208), (60, 11331), (78, 11430),

Gene: Popcicle_20 Start: 13380, Stop: 13742, Start Num: 30
Candidate Starts for Popcicle_20:
(Start: 14 @13296 has 2 MA's), (Start: 22 @13353 has 2 MA's), (Start: 30 @13380 has 656 MA's), (52, 13575), (54, 13581), (60, 13629), (78, 13728),

Gene: PotatoSplit_22 Start: 13295, Stop: 13663, Start Num: 30
Candidate Starts for PotatoSplit_22:
(13, 13205), (Start: 30 @13295 has 656 MA's), (Start: 32 @13331 has 1 MA's), (48, 13427), (55, 13505), (65, 13577), (78, 13649),

Gene: Power_20 Start: 13883, Stop: 14251, Start Num: 30
Candidate Starts for Power_20:
(Start: 14 @13778 has 2 MA's), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (48, 14015), (55, 14093),

Gene: PowerRanger_18 Start: 13957, Stop: 14319, Start Num: 27
Candidate Starts for PowerRanger_18:
(Start: 21 @13912 has 1 MA's), (Start: 27 @13957 has 220 MA's), (Start: 34 @14002 has 4 MA's), (Start: 37 @14014 has 1 MA's), (50, 14131), (51, 14149), (55, 14170), (57, 14200), (63, 14221), (67, 14245), (77, 14302),

Gene: Priamo_23 Start: 14128, Stop: 14436, Start Num: 39
Candidate Starts for Priamo_23:
(Start: 22 @14023 has 2 MA's), (Start: 30 @14068 has 656 MA's), (38, 14125), (Start: 39 @14128 has 1 MA's), (48, 14200), (55, 14278),

Gene: Prinashe11_16 Start: 12279, Stop: 12641, Start Num: 30
Candidate Starts for Prinashe11_16:
(Start: 14 @12180 has 2 MA's), (20, 12213), (Start: 30 @12279 has 656 MA's), (Start: 32 @12309 has 1 MA's), (45, 12381), (59, 12522),

Gene: Priya_21 Start: 14739, Stop: 15107, Start Num: 30
Candidate Starts for Priya_21:
(Start: 14 @14634 has 2 MA's), (20, 14667), (Start: 22 @14691 has 2 MA's), (Start: 30 @14739 has 656 MA's), (Start: 34 @14781 has 4 MA's), (38, 14796), (47, 14865), (55, 14949), (59, 14988),

Gene: ProMouse_19 Start: 13806, Stop: 14168, Start Num: 27
Candidate Starts for ProMouse_19:
(Start: 21 @13761 has 1 MA's), (Start: 27 @13806 has 220 MA's), (Start: 34 @13851 has 4 MA's), (Start: 37 @13863 has 1 MA's), (50, 13980), (51, 13998), (55, 14019), (57, 14049), (67, 14094), (77, 14151),

Gene: Prudy_23 Start: 15748, Stop: 16116, Start Num: 30
Candidate Starts for Prudy_23:
(1, 15370), (2, 15385), (3, 15421), (4, 15424), (5, 15481), (6, 15502), (9, 15544), (Start: 14 @15643 has 2 MA's), (Start: 30 @15748 has 656 MA's), (48, 15880), (55, 15958),

Gene: Pukovnik_22 Start: 15579, Stop: 15947, Start Num: 30
Candidate Starts for Pukovnik_22:
(Start: 14 @15474 has 2 MA's), (Start: 22 @15531 has 2 MA's), (Start: 30 @15579 has 656 MA's), (38, 15636), (48, 15711), (55, 15789),

Gene: Pumbaa_19 Start: 13180, Stop: 13542, Start Num: 30
Candidate Starts for Pumbaa_19:
(Start: 30 @13180 has 656 MA's), (Start: 32 @13210 has 1 MA's), (52, 13375), (60, 13429), (65, 13456), (78, 13528),

Gene: Puppet_18 Start: 13403, Stop: 13765, Start Num: 27
Candidate Starts for Puppet_18:
(Start: 21 @13358 has 1 MA's), (Start: 27 @13403 has 220 MA's), (Start: 34 @13448 has 4 MA's), (Start: 37 @13460 has 1 MA's), (50, 13577), (51, 13595), (55, 13616), (56, 13643), (63, 13667), (67, 13691), (77, 13748),

Gene: Puppy_20 Start: 12464, Stop: 12826, Start Num: 30
Candidate Starts for Puppy_20:
(Start: 14 @12377 has 2 MA's), (Start: 21 @12422 has 1 MA's), (Start: 22 @12434 has 2 MA's), (Start: 30 @12464 has 656 MA's), (Start: 32 @12494 has 1 MA's), (60, 12713), (78, 12812),

Gene: PurpleHaze_21 Start: 13368, Stop: 13736, Start Num: 30
Candidate Starts for PurpleHaze_21:
(Start: 30 @13368 has 656 MA's), (Start: 32 @13404 has 1 MA's), (48, 13500), (55, 13578), (78, 13722),

Gene: QTRlifeCrisis_18 Start: 13807, Stop: 14169, Start Num: 27
Candidate Starts for QTRlifeCrisis_18:
(Start: 21 @13762 has 1 MA's), (Start: 27 @13807 has 220 MA's), (Start: 34 @13852 has 4 MA's), (Start: 37 @13864 has 1 MA's), (50, 13981), (51, 13999), (55, 14020), (57, 14050), (63, 14071), (67, 14095), (77, 14152),

Gene: Qobbit_21 Start: 14738, Stop: 15106, Start Num: 30
Candidate Starts for Qobbit_21:
(Start: 14 @14633 has 2 MA's), (20, 14666), (Start: 22 @14690 has 2 MA's), (Start: 30 @14738 has 656 MA's), (Start: 34 @14780 has 4 MA's), (38, 14795), (47, 14864), (55, 14948),

Gene: QueenB2_20 Start: 13961, Stop: 14329, Start Num: 30
Candidate Starts for QueenB2_20:
(Start: 22 @13913 has 2 MA's), (Start: 30 @13961 has 656 MA's), (48, 14093), (55, 14171),

Gene: QueenBeesly_20 Start: 13883, Stop: 14251, Start Num: 30
Candidate Starts for QueenBeesly_20:
(Start: 14 @13778 has 2 MA's), (20, 13811), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (55, 14093),

Gene: QuinnKiro_19 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for QuinnKiro_19:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Quokka_18 Start: 12861, Stop: 13229, Start Num: 30
Candidate Starts for Quokka_18:
(12, 12735), (19, 12780), (20, 12786), (Start: 22 @12810 has 2 MA's), (Start: 30 @12861 has 656 MA's), (38, 12918), (55, 13071),

Gene: RER2_8 Start: 6165, Stop: 6521, Start Num: 30
Candidate Starts for RER2_8:
(18, 6093), (Start: 30 @6165 has 656 MA's), (35, 6207), (38, 6216), (52, 6363), (55, 6372),

Gene: RGL3_8 Start: 6129, Stop: 6485, Start Num: 30
Candidate Starts for RGL3_8:
(18, 6057), (Start: 30 @6129 has 656 MA's), (Start: 32 @6159 has 1 MA's), (52, 6327), (55, 6336), (61, 6381), (62, 6384), (63, 6387), (67, 6411),

Gene: Rachaly_23 Start: 15618, Stop: 15986, Start Num: 30
Candidate Starts for Rachaly_23:

(19, 15531), (Start: 22 @15561 has 2 MA's), (Start: 30 @15618 has 656 MA's), (Start: 39 @15678 has 1 MA's), (46, 15735), (48, 15750), (55, 15828),

Gene: Rahalelujah_19 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for Rahalelujah_19:
(Start: 30 @12778 has 656 MA's), (38, 12835), (Start: 39 @12838 has 1 MA's), (55, 12988),

Gene: Raid_18 Start: 13091, Stop: 13453, Start Num: 27
Candidate Starts for Raid_18:
(Start: 21 @13046 has 1 MA's), (Start: 27 @13091 has 220 MA's), (Start: 34 @13136 has 4 MA's), (Start: 37 @13148 has 1 MA's), (50, 13265), (51, 13283), (55, 13304), (57, 13334), (63, 13355), (67, 13379), (77, 13436),

Gene: Rajelicia_18 Start: 13615, Stop: 13977, Start Num: 27
Candidate Starts for Rajelicia_18:
(Start: 21 @13570 has 1 MA's), (Start: 27 @13615 has 220 MA's), (Start: 34 @13660 has 4 MA's), (Start: 37 @13672 has 1 MA's), (50, 13789), (51, 13807), (55, 13828), (57, 13858), (63, 13879), (67, 13903), (77, 13960),

Gene: Rasputin_15 Start: 9261, Stop: 9617, Start Num: 30
Candidate Starts for Rasputin_15:
(18, 9189), (Start: 30 @9261 has 656 MA's), (35, 9303), (38, 9312), (42, 9336), (55, 9468),

Gene: Ravana_22 Start: 13009, Stop: 13377, Start Num: 30
Candidate Starts for Ravana_22:
(11, 12838), (15, 12865), (28, 12991), (Start: 30 @13009 has 656 MA's), (38, 13066), (Start: 39 @13069 has 1 MA's), (55, 13219), (67, 13303),

Gene: ReMo_22 Start: 13048, Stop: 13416, Start Num: 30
Candidate Starts for ReMo_22:
(11, 12877), (15, 12904), (28, 13030), (Start: 30 @13048 has 656 MA's), (38, 13105), (Start: 39 @13108 has 1 MA's), (55, 13258), (67, 13342),

Gene: Reba_22 Start: 13034, Stop: 13402, Start Num: 30
Candidate Starts for Reba_22:
(13, 12944), (Start: 30 @13034 has 656 MA's), (Start: 32 @13070 has 1 MA's), (55, 13244), (78, 13388),

Gene: Rebeuca_20 Start: 13167, Stop: 13529, Start Num: 30
Candidate Starts for Rebeuca_20:
(17, 13086), (Start: 30 @13167 has 656 MA's), (48, 13293), (60, 13416), (78, 13515),

Gene: RedRock_23 Start: 15880, Stop: 16248, Start Num: 30
Candidate Starts for RedRock_23:
(Start: 22 @15829 has 2 MA's), (Start: 30 @15880 has 656 MA's), (48, 16012), (55, 16090),

Gene: Refuge_23 Start: 16266, Stop: 16634, Start Num: 30
Candidate Starts for Refuge_23:
(Start: 14 @16152 has 2 MA's), (19, 16179), (Start: 30 @16266 has 656 MA's), (38, 16323), (48, 16398), (55, 16476),

Gene: Relief_19 Start: 13203, Stop: 13565, Start Num: 30
Candidate Starts for Relief_19:

(Start: 30 @13203 has 656 MA's), (Start: 32 @13233 has 1 MA's), (52, 13398), (60, 13452), (65, 13479), (78, 13551),

Gene: Remus_22 Start: 13009, Stop: 13377, Start Num: 30
Candidate Starts for Remus_22:
(11, 12838), (15, 12865), (28, 12991), (Start: 30 @13009 has 656 MA's), (38, 13066), (Start: 39 @13069 has 1 MA's), (55, 13219), (67, 13303),

Gene: ResDef_20 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for ResDef_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Retro23_20 Start: 14034, Stop: 14402, Start Num: 30
Candidate Starts for Retro23_20:
(Start: 14 @13929 has 2 MA's), (Start: 22 @13986 has 2 MA's), (Start: 30 @14034 has 656 MA's), (38, 14091), (48, 14166), (55, 14244),

Gene: RexFury_15 Start: 9324, Stop: 9680, Start Num: 30
Candidate Starts for RexFury_15:
(18, 9252), (Start: 30 @9324 has 656 MA's), (35, 9366), (38, 9375), (52, 9522), (55, 9531),

Gene: Rhodalysa_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Rhodalysa_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: RhynO_20 Start: 13143, Stop: 13505, Start Num: 30
Candidate Starts for RhynO_20:
(Start: 30 @13143 has 656 MA's), (48, 13269), (60, 13392), (78, 13491),

Gene: Rhynn_18 Start: 13408, Stop: 13770, Start Num: 27
Candidate Starts for Rhynn_18:
(Start: 21 @13363 has 1 MA's), (Start: 27 @13408 has 220 MA's), (Start: 34 @13453 has 4 MA's), (Start: 37 @13465 has 1 MA's), (50, 13582), (51, 13600), (55, 13621), (57, 13651), (63, 13672), (67, 13696), (77, 13753),

Gene: RidgeCB_18 Start: 13182, Stop: 13544, Start Num: 27
Candidate Starts for RidgeCB_18:
(Start: 21 @13137 has 1 MA's), (Start: 27 @13182 has 220 MA's), (Start: 34 @13227 has 4 MA's), (Start: 37 @13239 has 1 MA's), (50, 13356), (51, 13374), (55, 13395), (57, 13425), (63, 13446), (67, 13470), (77, 13527),

Gene: Rifter_23 Start: 14016, Stop: 14384, Start Num: 30
Candidate Starts for Rifter_23:
(9, 13812), (Start: 30 @14016 has 656 MA's), (Start: 39 @14076 has 1 MA's), (55, 14226),

Gene: Ringer_18 Start: 13666, Stop: 14028, Start Num: 27
Candidate Starts for Ringer_18:
(Start: 21 @13621 has 1 MA's), (Start: 27 @13666 has 220 MA's), (Start: 34 @13711 has 4 MA's), (Start: 37 @13723 has 1 MA's), (50, 13840), (51, 13858), (55, 13879), (57, 13909), (63, 13930), (67, 13954), (77, 14011),

Gene: Roary_16 Start: 11858, Stop: 12217, Start Num: 30

Candidate Starts for Roary_16:
(Start: 30 @11858 has 656 MA's), (Start: 32 @11894 has 1 MA's), (38, 11915), (54, 12065),

Gene: RockieBear_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for RockieBear_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Rocksand_19 Start: 13201, Stop: 13563, Start Num: 30
Candidate Starts for Rocksand_19:
(Start: 30 @13201 has 656 MA's), (Start: 32 @13231 has 1 MA's), (52, 13396), (60, 13450), (65, 13477), (78, 13549),

Gene: Rockstar_19 Start: 12738, Stop: 13100, Start Num: 30
Candidate Starts for Rockstar_19:
(Start: 22 @12708 has 2 MA's), (Start: 30 @12738 has 656 MA's), (Start: 34 @12774 has 4 MA's), (60, 12987), (64, 13008), (78, 13086),

Gene: Rohr_19 Start: 13605, Stop: 13967, Start Num: 27
Candidate Starts for Rohr_19:
(Start: 21 @13560 has 1 MA's), (Start: 27 @13605 has 220 MA's), (Start: 34 @13650 has 4 MA's), (Start: 37 @13662 has 1 MA's), (50, 13779), (51, 13797), (55, 13818), (57, 13848), (63, 13869), (67, 13893), (77, 13950),

Gene: Roimos_19 Start: 12814, Stop: 13176, Start Num: 30
Candidate Starts for Roimos_19:
(Start: 14 @12727 has 2 MA's), (Start: 21 @12772 has 1 MA's), (Start: 22 @12784 has 2 MA's), (Start: 30 @12814 has 656 MA's), (Start: 32 @12844 has 1 MA's), (60, 13063), (78, 13162),

Gene: Roksolana_23 Start: 14044, Stop: 14412, Start Num: 30
Candidate Starts for Roksolana_23:
(9, 13840), (Start: 30 @14044 has 656 MA's), (Start: 39 @14104 has 1 MA's), (55, 14254),

Gene: Romney_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Romney_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Roosevelt_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Roosevelt_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Rosa24_18 Start: 13178, Stop: 13540, Start Num: 30
Candidate Starts for Rosa24_18:
(Start: 30 @13178 has 656 MA's), (Start: 32 @13208 has 1 MA's), (52, 13373), (60, 13427), (65, 13454), (78, 13526),

Gene: Rosalind_22 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for Rosalind_22:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: Rowdy_22 Start: 13054, Stop: 13416, Start Num: 30
Candidate Starts for Rowdy_22:
(Start: 30 @13054 has 656 MA's), (48, 13180), (60, 13303), (78, 13402),

Gene: Rubeus_19 Start: 13440, Stop: 13802, Start Num: 27
Candidate Starts for Rubeus_19:
(Start: 21 @13395 has 1 MA's), (Start: 27 @13440 has 220 MA's), (Start: 34 @13485 has 4 MA's), (Start: 37 @13497 has 1 MA's), (50, 13614), (51, 13632), (55, 13653), (57, 13683), (63, 13704), (67, 13728), (77, 13785),

Gene: Rufus_19 Start: 13773, Stop: 14135, Start Num: 27
Candidate Starts for Rufus_19:
(Start: 21 @13728 has 1 MA's), (Start: 27 @13773 has 220 MA's), (Start: 34 @13818 has 4 MA's), (Start: 37 @13830 has 1 MA's), (50, 13947), (51, 13965), (55, 13986), (57, 14016), (63, 14037), (67, 14061), (77, 14118),

Gene: Ruin_19 Start: 13201, Stop: 13563, Start Num: 30
Candidate Starts for Ruin_19:
(Start: 30 @13201 has 656 MA's), (Start: 32 @13231 has 1 MA's), (47, 13321), (52, 13396), (60, 13450), (65, 13477), (78, 13549),

Gene: Rummer_21 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for Rummer_21:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: Ruotula_17 Start: 13610, Stop: 13972, Start Num: 27
Candidate Starts for Ruotula_17:
(Start: 21 @13565 has 1 MA's), (Start: 27 @13610 has 220 MA's), (Start: 34 @13655 has 4 MA's), (Start: 37 @13667 has 1 MA's), (50, 13784), (51, 13802), (55, 13823), (57, 13853), (63, 13874), (67, 13898), (77, 13955),

Gene: Rutherferd_20 Start: 13953, Stop: 14315, Start Num: 27
Candidate Starts for Rutherferd_20:
(Start: 21 @13908 has 1 MA's), (Start: 27 @13953 has 220 MA's), (Start: 34 @13998 has 4 MA's), (Start: 37 @14010 has 1 MA's), (50, 14127), (51, 14145), (55, 14166), (57, 14196), (63, 14217), (67, 14241), (77, 14298),

Gene: RyeScarlet_21 Start: 14712, Stop: 15080, Start Num: 30
Candidate Starts for RyeScarlet_21:
(Start: 14 @14607 has 2 MA's), (20, 14640), (Start: 22 @14664 has 2 MA's), (Start: 30 @14712 has 656 MA's), (Start: 34 @14754 has 4 MA's), (38, 14769), (47, 14838), (55, 14922),

Gene: STLscum_19 Start: 13816, Stop: 14178, Start Num: 27
Candidate Starts for STLscum_19:
(Start: 21 @13771 has 1 MA's), (Start: 27 @13816 has 220 MA's), (Start: 34 @13861 has 4 MA's), (Start: 37 @13873 has 1 MA's), (50, 13990), (51, 14008), (55, 14029), (57, 14059), (63, 14080), (67, 14104), (77, 14161),

Gene: Sabertooth_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Sabertooth_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (47, 13322), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Sabia_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for Sabia_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Sabinator_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Sabinator_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Sachima_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for Sachima_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: Sagefire_19 Start: 14213, Stop: 14575, Start Num: 27
Candidate Starts for Sagefire_19:
(Start: 21 @14168 has 1 MA's), (Start: 27 @14213 has 220 MA's), (Start: 34 @14258 has 4 MA's), (Start: 37 @14270 has 1 MA's), (50, 14387), (51, 14405), (55, 14426), (57, 14456), (63, 14477), (67, 14501), (77, 14558),

Gene: Saintus_16 Start: 11873, Stop: 12232, Start Num: 30
Candidate Starts for Saintus_16:
(Start: 30 @11873 has 656 MA's), (Start: 32 @11909 has 1 MA's), (38, 11930), (54, 12080),

Gene: Salz_20 Start: 14466, Stop: 14834, Start Num: 30
Candidate Starts for Salz_20:
(Start: 14 @14382 has 2 MA's), (19, 14409), (20, 14415), (Start: 22 @14439 has 2 MA's), (Start: 30 @14466 has 656 MA's), (Start: 31 @14472 has 2 MA's), (48, 14598), (55, 14676), (67, 14760), (72, 14787),

Gene: Sandaddy_17 Start: 13328, Stop: 13690, Start Num: 27
Candidate Starts for Sandaddy_17:
(Start: 21 @13283 has 1 MA's), (Start: 27 @13328 has 220 MA's), (Start: 34 @13373 has 4 MA's), (Start: 37 @13385 has 1 MA's), (50, 13502), (51, 13520), (55, 13541), (56, 13568), (63, 13592), (67, 13616), (77, 13673),

Gene: Sanya_18 Start: 13990, Stop: 14352, Start Num: 27
Candidate Starts for Sanya_18:
(Start: 21 @13945 has 1 MA's), (Start: 27 @13990 has 220 MA's), (Start: 34 @14035 has 4 MA's), (Start: 37 @14047 has 1 MA's), (50, 14164), (51, 14182), (55, 14203), (56, 14230), (63, 14254), (67, 14278), (77, 14335),

Gene: SarFire_18 Start: 13437, Stop: 13844, Start Num: 21
Candidate Starts for SarFire_18:
(Start: 21 @13437 has 1 MA's), (Start: 27 @13482 has 220 MA's), (Start: 34 @13527 has 4 MA's), (Start: 37 @13539 has 1 MA's), (50, 13656), (51, 13674), (55, 13695), (57, 13725), (63, 13746), (67, 13770), (77, 13827),

Gene: Saskia_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Saskia_20:

(Start: 14 @14385 has 2 MA's), (19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: SaturnRing_19 Start: 12845, Stop: 13207, Start Num: 30
Candidate Starts for SaturnRing_19:
(Start: 14 @12758 has 2 MA's), (Start: 21 @12803 has 1 MA's), (Start: 22 @12815 has 2 MA's), (Start: 30 @12845 has 656 MA's), (Start: 32 @12875 has 1 MA's), (60, 13094), (78, 13193),

Gene: Scamp_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Scamp_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Scherzo_21 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Scherzo_21:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: Scorpia_17 Start: 12121, Stop: 12483, Start Num: 30
Candidate Starts for Scorpia_17:
(20, 12055), (Start: 30 @12121 has 656 MA's), (Start: 32 @12151 has 1 MA's), (45, 12223), (59, 12364),

Gene: Scout_19 Start: 12145, Stop: 12507, Start Num: 30
Candidate Starts for Scout_19:
(Start: 14 @12058 has 2 MA's), (Start: 21 @12103 has 1 MA's), (Start: 22 @12115 has 2 MA's), (Start: 30 @12145 has 656 MA's), (Start: 32 @12175 has 1 MA's), (60, 12394), (78, 12493),

Gene: Scowl_19 Start: 13879, Stop: 14241, Start Num: 27
Candidate Starts for Scowl_19:
(Start: 21 @13834 has 1 MA's), (Start: 27 @13879 has 220 MA's), (Start: 34 @13924 has 4 MA's), (Start: 37 @13936 has 1 MA's), (50, 14053), (55, 14092), (57, 14122), (63, 14143), (67, 14167), (77, 14224),

Gene: Seabiscuit_20 Start: 13414, Stop: 13776, Start Num: 27
Candidate Starts for Seabiscuit_20:
(Start: 21 @13369 has 1 MA's), (Start: 27 @13414 has 220 MA's), (Start: 34 @13459 has 4 MA's), (Start: 37 @13471 has 1 MA's), (50, 13588), (51, 13606), (55, 13627), (57, 13657), (67, 13702), (77, 13759),

Gene: Seanderson_19 Start: 13849, Stop: 14211, Start Num: 27
Candidate Starts for Seanderson_19:
(Start: 21 @13804 has 1 MA's), (Start: 27 @13849 has 220 MA's), (Start: 34 @13894 has 4 MA's), (Start: 37 @13906 has 1 MA's), (50, 14023), (51, 14041), (55, 14062), (57, 14092), (63, 14113), (67, 14137), (77, 14194),

Gene: SemperFi_22 Start: 14311, Stop: 14679, Start Num: 30
Candidate Starts for SemperFi_22:
(Start: 14 @14206 has 2 MA's), (Start: 22 @14263 has 2 MA's), (Start: 30 @14311 has 656 MA's), (48, 14443), (55, 14521),

Gene: SenorClean_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for SenorClean_19:

(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Serenity_19 Start: 12861, Stop: 13229, Start Num: 30
Candidate Starts for Serenity_19:
(19, 12780), (20, 12786), (Start: 22 @12810 has 2 MA's), (Start: 30 @12861 has 656 MA's), (38, 12918), (55, 13071),

Gene: Severus_18 Start: 11082, Stop: 11444, Start Num: 30
Candidate Starts for Severus_18:
(17, 11001), (Start: 30 @11082 has 656 MA's), (36, 11127), (48, 11208), (60, 11331), (78, 11430),

Gene: Shaka_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Shaka_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Sham4_20 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Sham4_20:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (67, 14766), (72, 14793),

Gene: Shapes_22 Start: 13054, Stop: 13416, Start Num: 30
Candidate Starts for Shapes_22:
(Start: 30 @13054 has 656 MA's), (48, 13180), (60, 13303), (78, 13402),

Gene: ShayRa_23 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for ShayRa_23:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: SheaKeira_20 Start: 12917, Stop: 13285, Start Num: 30
Candidate Starts for SheaKeira_20:
(Start: 30 @12917 has 656 MA's), (38, 12974), (55, 13127), (59, 13166),

Gene: Sheen_21 Start: 14917, Stop: 15300, Start Num: 30
Candidate Starts for Sheen_21:
(20, 14851), (23, 14878), (Start: 30 @14917 has 656 MA's), (Start: 32 @14947 has 1 MA's), (58, 15157), (60, 15166), (65, 15199), (66, 15214), (67, 15226), (69, 15241),

Gene: SheldonCooper_20 Start: 13518, Stop: 13880, Start Num: 30
Candidate Starts for SheldonCooper_20:
(Start: 30 @13518 has 656 MA's), (Start: 32 @13548 has 1 MA's), (52, 13713), (60, 13767), (65, 13794), (78, 13866),

Gene: Shep_19 Start: 12100, Stop: 12462, Start Num: 30
Candidate Starts for Shep_19:
(Start: 14 @12013 has 2 MA's), (Start: 21 @12058 has 1 MA's), (Start: 22 @12070 has 2 MA's), (Start: 30 @12100 has 656 MA's), (Start: 32 @12130 has 1 MA's), (60, 12349), (78, 12448),

Gene: ShortQueendom_18 Start: 13288, Stop: 13650, Start Num: 27
Candidate Starts for ShortQueendom_18:

(Start: 21 @13243 has 1 MA's), (Start: 27 @13288 has 220 MA's), (Start: 34 @13333 has 4 MA's), (Start: 37 @13345 has 1 MA's), (50, 13462), (51, 13480), (55, 13501), (56, 13528), (63, 13552), (67, 13576), (77, 13633),

Gene: Shuman_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Shuman_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (42, 9368), (52, 9491), (55, 9500), (61, 9545),

Gene: Shygu2_19 Start: 13208, Stop: 13570, Start Num: 30
Candidate Starts for Shygu2_19:
(19, 13151), (Start: 30 @13208 has 656 MA's), (47, 13328), (52, 13403), (60, 13457), (65, 13484), (78, 13556),

Gene: Sibs6_20 Start: 13925, Stop: 14287, Start Num: 27
Candidate Starts for Sibs6_20:
(Start: 21 @13880 has 1 MA's), (Start: 27 @13925 has 220 MA's), (Start: 34 @13970 has 4 MA's), (Start: 37 @13982 has 1 MA's), (50, 14099), (51, 14117), (55, 14138), (57, 14168), (63, 14189), (67, 14213), (77, 14270),

Gene: Skadoosh_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Skadoosh_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: SkiPole_20 Start: 13502, Stop: 13864, Start Num: 27
Candidate Starts for SkiPole_20:
(Start: 21 @13457 has 1 MA's), (Start: 27 @13502 has 220 MA's), (Start: 34 @13547 has 4 MA's), (Start: 37 @13559 has 1 MA's), (50, 13676), (51, 13694), (55, 13715), (57, 13745), (63, 13766), (67, 13790), (77, 13847),

Gene: Skipitt_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Skipitt_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Sknot_20 Start: 13990, Stop: 14358, Start Num: 30
Candidate Starts for Sknot_20:
(Start: 22 @13939 has 2 MA's), (Start: 30 @13990 has 656 MA's), (48, 14122), (55, 14200),

Gene: Slagathor_19 Start: 13277, Stop: 13639, Start Num: 27
Candidate Starts for Slagathor_19:
(Start: 21 @13232 has 1 MA's), (Start: 27 @13277 has 220 MA's), (Start: 34 @13322 has 4 MA's), (Start: 37 @13334 has 1 MA's), (50, 13451), (51, 13469), (55, 13490), (57, 13520), (63, 13541), (67, 13565), (77, 13622),

Gene: Smairt_19 Start: 14108, Stop: 14470, Start Num: 27
Candidate Starts for Smairt_19:
(Start: 21 @14063 has 1 MA's), (Start: 27 @14108 has 220 MA's), (Start: 34 @14153 has 4 MA's), (Start: 37 @14165 has 1 MA's), (50, 14282), (51, 14300), (55, 14321), (57, 14351), (63, 14372), (67, 14396), (77, 14453),

Gene: Smeadley_16 Start: 11891, Stop: 12250, Start Num: 30

Candidate Starts for Smeadley_16:
(Start: 30 @11891 has 656 MA's), (Start: 32 @11927 has 1 MA's), (54, 12098),

Gene: Smeagan_22 Start: 14399, Stop: 14767, Start Num: 30
Candidate Starts for Smeagan_22:
(Start: 30 @14399 has 656 MA's), (38, 14456), (48, 14531), (55, 14609), (60, 14654),

Gene: Smeagol_20 Start: 14697, Stop: 15059, Start Num: 27
Candidate Starts for Smeagol_20:
(Start: 21 @14652 has 1 MA's), (Start: 27 @14697 has 220 MA's), (Start: 34 @14742 has 4 MA's), (Start: 37 @14754 has 1 MA's), (50, 14871), (51, 14889), (55, 14910), (57, 14940), (63, 14961), (67, 14985), (77, 15042),

Gene: SmellyB_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for SmellyB_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: SnapTap_20 Start: 13883, Stop: 14251, Start Num: 30
Candidate Starts for SnapTap_20:
(Start: 14 @13778 has 2 MA's), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (48, 14015), (55, 14093),

Gene: Snape_20 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Snape_20:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (67, 14766), (72, 14793),

Gene: Snazzy_16 Start: 12797, Stop: 13159, Start Num: 27
Candidate Starts for Snazzy_16:
(Start: 21 @12752 has 1 MA's), (Start: 27 @12797 has 220 MA's), (Start: 34 @12842 has 4 MA's), (Start: 37 @12854 has 1 MA's), (50, 12971), (51, 12989), (55, 13010), (57, 13040), (63, 13061), (67, 13085), (77, 13142),

Gene: Snickers_21 Start: 13269, Stop: 13637, Start Num: 30
Candidate Starts for Snickers_21:
(13, 13179), (Start: 30 @13269 has 656 MA's), (Start: 32 @13305 has 1 MA's), (48, 13401), (55, 13479), (65, 13551), (78, 13623),

Gene: SoYo_21 Start: 13206, Stop: 13574, Start Num: 30
Candidate Starts for SoYo_21:
(13, 13116), (Start: 30 @13206 has 656 MA's), (Start: 32 @13242 has 1 MA's), (48, 13338), (55, 13416), (65, 13488), (78, 13560),

Gene: SoilDragon_21 Start: 12978, Stop: 13346, Start Num: 30
Candidate Starts for SoilDragon_21:
(13, 12888), (Start: 30 @12978 has 656 MA's), (Start: 32 @13014 has 1 MA's), (48, 13110), (55, 13188), (65, 13260), (78, 13332),

Gene: Solon_18 Start: 13960, Stop: 14322, Start Num: 27
Candidate Starts for Solon_18:

(Start: 21 @13915 has 1 MA's), (Start: 27 @13960 has 220 MA's), (Start: 34 @14005 has 4 MA's), (Start: 37 @14017 has 1 MA's), (50, 14134), (51, 14152), (55, 14173), (57, 14203), (63, 14224), (67, 14248), (77, 14305),

Gene: SororFago_19 Start: 13084, Stop: 13452, Start Num: 30
Candidate Starts for SororFago_19:
(10, 12904), (20, 13009), (Start: 22 @13033 has 2 MA's), (Start: 30 @13084 has 656 MA's), (Start: 37 @13138 has 1 MA's), (48, 13216), (55, 13294),

Gene: Sorpresa_18 Start: 13328, Stop: 13690, Start Num: 27
Candidate Starts for Sorpresa_18:
(Start: 21 @13283 has 1 MA's), (Start: 27 @13328 has 220 MA's), (Start: 34 @13373 has 4 MA's), (Start: 37 @13385 has 1 MA's), (50, 13502), (51, 13520), (55, 13541), (56, 13568), (63, 13592), (67, 13616), (77, 13673),

Gene: Soshari_23 Start: 13378, Stop: 13746, Start Num: 30
Candidate Starts for Soshari_23:
(13, 13288), (Start: 30 @13378 has 656 MA's), (Start: 32 @13414 has 1 MA's), (48, 13510), (55, 13588), (65, 13660), (78, 13732),

Gene: Soups_22 Start: 13170, Stop: 13538, Start Num: 30
Candidate Starts for Soups_22:
(11, 12999), (15, 13026), (28, 13152), (Start: 30 @13170 has 656 MA's), (38, 13227), (Start: 39 @13230 has 1 MA's), (55, 13380), (67, 13464),

Gene: Sparxx_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for Sparxx_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Spike509_21 Start: 13379, Stop: 13747, Start Num: 30
Candidate Starts for Spike509_21:
(13, 13289), (Start: 30 @13379 has 656 MA's), (Start: 32 @13415 has 1 MA's), (48, 13511), (55, 13589), (65, 13661), (78, 13733),

Gene: SpikeBT_20 Start: 14264, Stop: 14626, Start Num: 27
Candidate Starts for SpikeBT_20:
(Start: 21 @14219 has 1 MA's), (Start: 27 @14264 has 220 MA's), (Start: 34 @14309 has 4 MA's), (Start: 37 @14321 has 1 MA's), (50, 14438), (51, 14456), (55, 14477), (57, 14507), (63, 14528), (67, 14552), (77, 14609),

Gene: Spino_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Spino_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Spouty_21 Start: 14738, Stop: 15106, Start Num: 30
Candidate Starts for Spouty_21:
(Start: 14 @14633 has 2 MA's), (20, 14666), (Start: 22 @14690 has 2 MA's), (Start: 30 @14738 has 656 MA's), (Start: 34 @14780 has 4 MA's), (38, 14795), (47, 14864), (55, 14948), (59, 14987),

Gene: Squee_19 Start: 14098, Stop: 14460, Start Num: 27
Candidate Starts for Squee_19:

(Start: 21 @14053 has 1 MA's), (Start: 27 @14098 has 220 MA's), (Start: 34 @14143 has 4 MA's), (Start: 37 @14155 has 1 MA's), (50, 14272), (51, 14290), (55, 14311), (57, 14341), (63, 14362), (67, 14386), (77, 14443),

Gene: StCroix_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for StCroix_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Stagni_21 Start: 13297, Stop: 13665, Start Num: 30
Candidate Starts for Stagni_21:
(13, 13207), (Start: 30 @13297 has 656 MA's), (Start: 32 @13333 has 1 MA's), (48, 13429), (55, 13507), (65, 13579), (78, 13651),

Gene: StarStuff_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for StarStuff_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: Stasia_20 Start: 13644, Stop: 14006, Start Num: 30
Candidate Starts for Stasia_20:
(Start: 30 @13644 has 656 MA's), (Start: 32 @13674 has 1 MA's), (47, 13764), (52, 13839), (60, 13893), (64, 13914), (65, 13920), (78, 13992),

Gene: SteMason_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for SteMason_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Steamy_21 Start: 14496, Stop: 14864, Start Num: 30
Candidate Starts for Steamy_21:
(Start: 14 @14382 has 2 MA's), (Start: 22 @14439 has 2 MA's), (Start: 30 @14496 has 656 MA's), (38, 14553), (Start: 39 @14556 has 1 MA's), (48, 14628), (55, 14706), (58, 14742),

Gene: StepMih_21 Start: 13288, Stop: 13656, Start Num: 30
Candidate Starts for StepMih_21:
(13, 13198), (Start: 30 @13288 has 656 MA's), (Start: 32 @13324 has 1 MA's), (48, 13420), (55, 13498), (65, 13570), (78, 13642),

Gene: Stephig9_16 Start: 11872, Stop: 12231, Start Num: 30
Candidate Starts for Stephig9_16:
(Start: 30 @11872 has 656 MA's), (Start: 32 @11908 has 1 MA's), (38, 11929), (54, 12079),

Gene: StewieG_17 Start: 13172, Stop: 13534, Start Num: 27
Candidate Starts for StewieG_17:
(Start: 21 @13127 has 1 MA's), (Start: 27 @13172 has 220 MA's), (Start: 34 @13217 has 4 MA's), (Start: 37 @13229 has 1 MA's), (50, 13346), (51, 13364), (55, 13385), (57, 13415), (63, 13436), (67, 13460), (77, 13517),

Gene: Stink_20 Start: 13496, Stop: 13858, Start Num: 30
Candidate Starts for Stink_20:
(Start: 30 @13496 has 656 MA's), (40, 13553), (47, 13616), (52, 13691), (60, 13745), (64, 13766), (78, 13844),

Gene: StrongArm_17 Start: 14349, Stop: 14711, Start Num: 27
Candidate Starts for StrongArm_17:
(Start: 21 @14304 has 1 MA's), (Start: 27 @14349 has 220 MA's), (Start: 34 @14394 has 4 MA's), (Start: 37 @14406 has 1 MA's), (50, 14523), (51, 14541), (55, 14562), (56, 14589), (63, 14613), (67, 14637), (77, 14694),

Gene: Strosahl_22 Start: 13009, Stop: 13377, Start Num: 30
Candidate Starts for Strosahl_22:
(11, 12838), (15, 12865), (28, 12991), (Start: 30 @13009 has 656 MA's), (38, 13066), (Start: 39 @13069 has 1 MA's), (55, 13219), (67, 13303),

Gene: Sultana_19 Start: 13206, Stop: 13568, Start Num: 30
Candidate Starts for Sultana_19:
(Start: 30 @13206 has 656 MA's), (Start: 32 @13236 has 1 MA's), (52, 13401), (60, 13455), (65, 13482), (78, 13554),

Gene: Sumter_17 Start: 12919, Stop: 13281, Start Num: 27
Candidate Starts for Sumter_17:
(Start: 21 @12874 has 1 MA's), (Start: 27 @12919 has 220 MA's), (Start: 34 @12964 has 4 MA's), (Start: 37 @12976 has 1 MA's), (50, 13093), (51, 13111), (55, 13132), (57, 13162), (63, 13183), (67, 13207), (77, 13264),

Gene: Sunhee_19 Start: 13118, Stop: 13486, Start Num: 30
Candidate Starts for Sunhee_19:
(19, 13037), (20, 13043), (Start: 22 @13067 has 2 MA's), (Start: 30 @13118 has 656 MA's), (Start: 37 @13172 has 1 MA's), (48, 13250), (55, 13328), (58, 13364),

Gene: Sunshine924_17 Start: 12903, Stop: 13265, Start Num: 27
Candidate Starts for Sunshine924_17:
(Start: 21 @12858 has 1 MA's), (Start: 27 @12903 has 220 MA's), (Start: 34 @12948 has 4 MA's), (Start: 37 @12960 has 1 MA's), (50, 13077), (51, 13095), (55, 13116), (57, 13146), (63, 13167), (67, 13191), (77, 13248),

Gene: SuperAwesome_23 Start: 14040, Stop: 14408, Start Num: 30
Candidate Starts for SuperAwesome_23:
(Start: 22 @13995 has 2 MA's), (Start: 30 @14040 has 656 MA's), (38, 14097), (Start: 39 @14100 has 1 MA's), (48, 14172), (55, 14250),

Gene: SuperCallie99_23 Start: 14039, Stop: 14407, Start Num: 30
Candidate Starts for SuperCallie99_23:
(9, 13835), (Start: 22 @13994 has 2 MA's), (Start: 30 @14039 has 656 MA's), (38, 14096), (Start: 39 @14099 has 1 MA's), (48, 14171), (55, 14249),

Gene: Superchunk_19 Start: 12587, Stop: 12955, Start Num: 30
Candidate Starts for Superchunk_19:
(Start: 14 @12482 has 2 MA's), (Start: 22 @12539 has 2 MA's), (Start: 30 @12587 has 656 MA's), (38, 12644), (55, 12797),

Gene: Swann_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for Swann_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: SweetiePie_20 Start: 13883, Stop: 14251, Start Num: 30

Candidate Starts for SweetiePie_20:
(Start: 14 @13778 has 2 MA's), (Start: 22 @13835 has 2 MA's), (Start: 30 @13883 has 656 MA's), (48, 14015), (55, 14093),

Gene: SwirlSquare_21 Start: 12766, Stop: 13134, Start Num: 30
Candidate Starts for SwirlSquare_21:
(Start: 14 @12661 has 2 MA's), (20, 12694), (Start: 30 @12766 has 656 MA's), (38, 12823), (48, 12898), (52, 12967), (55, 12976),

Gene: Swirley_16 Start: 12281, Stop: 12643, Start Num: 30
Candidate Starts for Swirley_16:
(Start: 14 @12182 has 2 MA's), (20, 12215), (Start: 30 @12281 has 656 MA's), (Start: 32 @12311 has 1 MA's), (45, 12383), (59, 12524),

Gene: SwissCheese_18 Start: 13364, Stop: 13726, Start Num: 27
Candidate Starts for SwissCheese_18:
(Start: 21 @13319 has 1 MA's), (Start: 27 @13364 has 220 MA's), (Start: 34 @13409 has 4 MA's), (Start: 37 @13421 has 1 MA's), (50, 13538), (51, 13556), (55, 13577), (57, 13607), (63, 13628), (67, 13652), (77, 13709),

Gene: Switzer_19 Start: 13520, Stop: 13882, Start Num: 27
Candidate Starts for Switzer_19:
(Start: 21 @13475 has 1 MA's), (Start: 27 @13520 has 220 MA's), (Start: 34 @13565 has 4 MA's), (Start: 37 @13577 has 1 MA's), (50, 13694), (51, 13712), (55, 13733), (57, 13763), (63, 13784), (67, 13808), (77, 13865),

Gene: Switzerland_22 Start: 13163, Stop: 13531, Start Num: 30
Candidate Starts for Switzerland_22:
(11, 12992), (15, 13019), (28, 13145), (Start: 30 @13163 has 656 MA's), (38, 13220), (Start: 39 @13223 has 1 MA's), (55, 13373), (67, 13457),

Gene: Swole_20 Start: 13830, Stop: 14192, Start Num: 27
Candidate Starts for Swole_20:
(Start: 21 @13785 has 1 MA's), (Start: 27 @13830 has 220 MA's), (Start: 34 @13875 has 4 MA's), (Start: 37 @13887 has 1 MA's), (50, 14004), (51, 14022), (55, 14043), (57, 14073), (67, 14118), (78, 14178),

Gene: SydNat_16 Start: 12385, Stop: 12747, Start Num: 30
Candidate Starts for SydNat_16:
(Start: 30 @12385 has 656 MA's), (45, 12487),

Gene: TNguyen7_19 Start: 12815, Stop: 13177, Start Num: 30
Candidate Starts for TNguyen7_19:
(Start: 14 @12728 has 2 MA's), (Start: 21 @12773 has 1 MA's), (Start: 22 @12785 has 2 MA's), (Start: 30 @12815 has 656 MA's), (Start: 32 @12845 has 1 MA's), (60, 13064), (78, 13163),

Gene: TWAMP_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for TWAMP_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Tailonex_16 Start: 12485, Stop: 12841, Start Num: 30
Candidate Starts for Tailonex_16:
(Start: 30 @12485 has 656 MA's), (53, 12683), (55, 12689), (67, 12767), (71, 12791),

Gene: Takoda_15 Start: 9253, Stop: 9609, Start Num: 30
Candidate Starts for Takoda_15:
(18, 9181), (Start: 30 @9253 has 656 MA's), (35, 9295), (38, 9304), (42, 9328), (52, 9451), (55, 9460),

Gene: Taquarus_19 Start: 13208, Stop: 13570, Start Num: 30
Candidate Starts for Taquarus_19:
(Start: 30 @13208 has 656 MA's), (Start: 32 @13238 has 1 MA's), (52, 13403), (60, 13457), (65, 13484), (78, 13556),

Gene: Target_20 Start: 14153, Stop: 14533, Start Num: 24
Candidate Starts for Target_20:
(12, 14069), (16, 14090), (Start: 24 @14153 has 5 MA's), (Start: 34 @14216 has 4 MA's), (Start: 37 @14228 has 1 MA's), (50, 14345), (51, 14363), (55, 14384), (57, 14414), (63, 14435), (67, 14459),

Gene: TarsusIV_20 Start: 13986, Stop: 14354, Start Num: 30
Candidate Starts for TarsusIV_20:
(Start: 30 @13986 has 656 MA's), (38, 14043), (48, 14118), (55, 14196),

Gene: Tarynearal_15 Start: 12308, Stop: 12670, Start Num: 30
Candidate Starts for Tarynearal_15:
(Start: 14 @12209 has 2 MA's), (20, 12242), (Start: 30 @12308 has 656 MA's), (Start: 32 @12338 has 1 MA's), (45, 12410), (59, 12551),

Gene: Tasp14_19 Start: 13609, Stop: 13971, Start Num: 27
Candidate Starts for Tasp14_19:
(Start: 21 @13564 has 1 MA's), (Start: 27 @13609 has 220 MA's), (Start: 34 @13654 has 4 MA's), (Start: 37 @13666 has 1 MA's), (50, 13783), (51, 13801), (55, 13822), (57, 13852), (63, 13873), (67, 13897), (77, 13954),

Gene: Taurus_21 Start: 13293, Stop: 13661, Start Num: 30
Candidate Starts for Taurus_21:
(13, 13203), (Start: 30 @13293 has 656 MA's), (Start: 32 @13329 has 1 MA's), (48, 13425), (55, 13503), (65, 13575), (78, 13647),

Gene: Temprado_23 Start: 14045, Stop: 14413, Start Num: 30
Candidate Starts for Temprado_23:
(Start: 22 @14000 has 2 MA's), (Start: 30 @14045 has 656 MA's), (38, 14102), (Start: 39 @14105 has 1 MA's), (48, 14177), (55, 14255),

Gene: Teodoridan_16 Start: 12736, Stop: 13098, Start Num: 27
Candidate Starts for Teodoridan_16:
(Start: 21 @12691 has 1 MA's), (Start: 27 @12736 has 220 MA's), (Start: 34 @12781 has 4 MA's), (Start: 37 @12793 has 1 MA's), (50, 12910), (51, 12928), (55, 12949), (56, 12976), (63, 13000), (67, 13024), (77, 13081),

Gene: Terrific_22 Start: 14393, Stop: 14812, Start Num: 22
Candidate Starts for Terrific_22:
(Start: 22 @14393 has 2 MA's), (Start: 30 @14444 has 656 MA's), (48, 14576), (55, 14654),

Gene: Texage_19 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Texage_19:

(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Thanksgivukkah_19 Start: 13209, Stop: 13571, Start Num: 30
Candidate Starts for Thanksgivukkah_19:
(Start: 30 @13209 has 656 MA's), (Start: 32 @13239 has 1 MA's), (52, 13404), (60, 13458), (65, 13485), (78, 13557),

Gene: Theia_14 Start: 12148, Stop: 12609, Start Num: 14
Candidate Starts for Theia_14:
(Start: 14 @12148 has 2 MA's), (20, 12181), (Start: 22 @12205 has 2 MA's), (Start: 30 @12247 has 656 MA's), (Start: 32 @12277 has 1 MA's), (45, 12349), (59, 12490),

Gene: TheloniousMonk_20 Start: 14644, Stop: 15006, Start Num: 27
Candidate Starts for TheloniousMonk_20:
(Start: 21 @14599 has 1 MA's), (Start: 27 @14644 has 220 MA's), (Start: 34 @14689 has 4 MA's), (Start: 37 @14701 has 1 MA's), (50, 14818), (51, 14836), (55, 14857), (57, 14887), (63, 14908), (67, 14932), (77, 14989),

Gene: Thor_18 Start: 13482, Stop: 13844, Start Num: 27
Candidate Starts for Thor_18:
(Start: 21 @13437 has 1 MA's), (Start: 27 @13482 has 220 MA's), (Start: 34 @13527 has 4 MA's), (Start: 37 @13539 has 1 MA's), (50, 13656), (51, 13674), (55, 13695), (57, 13725), (63, 13746), (67, 13770), (77, 13827),

Gene: Tiffany_21 Start: 13189, Stop: 13557, Start Num: 30
Candidate Starts for Tiffany_21:
(13, 13099), (Start: 30 @13189 has 656 MA's), (Start: 32 @13225 has 1 MA's), (48, 13321), (55, 13399), (65, 13471), (78, 13543),

Gene: Tiger_16 Start: 12134, Stop: 12496, Start Num: 30
Candidate Starts for Tiger_16:
(Start: 14 @12035 has 2 MA's), (20, 12068), (Start: 30 @12134 has 656 MA's), (Start: 32 @12164 has 1 MA's), (45, 12236), (49, 12263), (59, 12377),

Gene: Timothy_20 Start: 14469, Stop: 14837, Start Num: 30
Candidate Starts for Timothy_20:
(19, 14412), (20, 14418), (Start: 22 @14442 has 2 MA's), (Start: 30 @14469 has 656 MA's), (Start: 31 @14475 has 2 MA's), (48, 14601), (55, 14679), (72, 14790),

Gene: Timshel_20 Start: 14811, Stop: 15194, Start Num: 30
Candidate Starts for Timshel_20:
(Start: 22 @14784 has 2 MA's), (Start: 30 @14811 has 656 MA's), (36, 14856), (47, 14931), (58, 15051), (60, 15060), (78, 15180),

Gene: TinaFeyge_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for TinaFeyge_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: TinyPebbles_21 Start: 13378, Stop: 13746, Start Num: 30
Candidate Starts for TinyPebbles_21:

(13, 13288), (Start: 30 @13378 has 656 MA's), (Start: 32 @13414 has 1 MA's), (48, 13510), (55, 13588), (65, 13660), (78, 13732),

Gene: TinyTimmy_20 Start: 14512, Stop: 14880, Start Num: 30
Candidate Starts for TinyTimmy_20:
(19, 14455), (20, 14461), (Start: 22 @14485 has 2 MA's), (Start: 30 @14512 has 656 MA's), (Start: 31 @14518 has 2 MA's), (48, 14644), (55, 14722), (72, 14833),

Gene: Tinybot_18 Start: 13183, Stop: 13545, Start Num: 30
Candidate Starts for Tinybot_18:
(Start: 30 @13183 has 656 MA's), (Start: 32 @13213 has 1 MA's), (52, 13378), (60, 13432), (65, 13459), (78, 13531),

Gene: TipsytheTRex_19 Start: 12996, Stop: 13364, Start Num: 30
Candidate Starts for TipsytheTRex_19:
(19, 12915), (20, 12921), (Start: 22 @12945 has 2 MA's), (Start: 30 @12996 has 656 MA's), (38, 13053), (55, 13206),

Gene: TiroTheta9_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for TiroTheta9_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Toaka_19 Start: 13064, Stop: 13432, Start Num: 30
Candidate Starts for Toaka_19:
(19, 12986), (Start: 22 @13016 has 2 MA's), (Start: 30 @13064 has 656 MA's), (38, 13121), (55, 13274),

Gene: Todacoro_20 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Todacoro_20:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Tomathan_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for Tomathan_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: ToneTone_21 Start: 13957, Stop: 14325, Start Num: 30
Candidate Starts for ToneTone_21:
(Start: 22 @13912 has 2 MA's), (Start: 30 @13957 has 656 MA's), (Start: 39 @14017 has 1 MA's), (48, 14089), (55, 14167),

Gene: Topanga_19 Start: 13120, Stop: 13482, Start Num: 30
Candidate Starts for Topanga_19:
(Start: 30 @13120 has 656 MA's), (48, 13246), (60, 13369), (78, 13468),

Gene: Topgun_18 Start: 13084, Stop: 13446, Start Num: 27
Candidate Starts for Topgun_18:
(Start: 21 @13039 has 1 MA's), (Start: 27 @13084 has 220 MA's), (Start: 34 @13129 has 4 MA's), (Start: 37 @13141 has 1 MA's), (43, 13171), (50, 13258), (51, 13276), (55, 13297), (56, 13324), (63, 13348), (67, 13372), (77, 13429),

Gene: Toro_22 Start: 14859, Stop: 15242, Start Num: 30
Candidate Starts for Toro_22:
(20, 14793), (23, 14820), (Start: 30 @14859 has 656 MA's), (Start: 32 @14889 has 1 MA's), (58, 15099), (60, 15108), (65, 15141), (66, 15156), (67, 15168), (69, 15183),

Gene: Tote_20 Start: 13830, Stop: 14192, Start Num: 27
Candidate Starts for Tote_20:
(Start: 21 @13785 has 1 MA's), (Start: 27 @13830 has 220 MA's), (Start: 34 @13875 has 4 MA's), (Start: 37 @13887 has 1 MA's), (50, 14004), (51, 14022), (55, 14043), (57, 14073), (67, 14118), (78, 14178),

Gene: Traft412_20 Start: 14311, Stop: 14673, Start Num: 27
Candidate Starts for Traft412_20:
(Start: 21 @14266 has 1 MA's), (Start: 27 @14311 has 220 MA's), (Start: 34 @14356 has 4 MA's), (Start: 37 @14368 has 1 MA's), (50, 14485), (51, 14503), (55, 14524), (57, 14554), (63, 14575), (67, 14599), (77, 14656),

Gene: Travvers_23 Start: 13837, Stop: 14205, Start Num: 30
Candidate Starts for Travvers_23:
(Start: 14 @13732 has 2 MA's), (Start: 30 @13837 has 656 MA's), (Start: 32 @13873 has 1 MA's), (55, 14047),

Gene: Treddle_20 Start: 14624, Stop: 14986, Start Num: 27
Candidate Starts for Treddle_20:
(Start: 21 @14579 has 1 MA's), (Start: 27 @14624 has 220 MA's), (Start: 34 @14669 has 4 MA's), (Start: 37 @14681 has 1 MA's), (50, 14798), (51, 14816), (55, 14837), (57, 14867), (63, 14888), (67, 14912), (77, 14969),

Gene: Trike_17 Start: 11090, Stop: 11452, Start Num: 30
Candidate Starts for Trike_17:
(7, 10883), (17, 11009), (Start: 30 @11090 has 656 MA's), (36, 11135), (48, 11216), (60, 11339), (65, 11366), (78, 11438),

Gene: Tripl3t_19 Start: 14354, Stop: 14671, Start Num: 34
Candidate Starts for Tripl3t_19:
(Start: 21 @14264 has 1 MA's), (Start: 27 @14309 has 220 MA's), (Start: 34 @14354 has 4 MA's), (Start: 37 @14366 has 1 MA's), (50, 14483), (51, 14501), (55, 14522), (57, 14552), (63, 14573), (67, 14597), (77, 14654),

Gene: Tristan_21 Start: 15698, Stop: 16066, Start Num: 30
Candidate Starts for Tristan_21:
(Start: 14 @15593 has 2 MA's), (Start: 22 @15650 has 2 MA's), (Start: 30 @15698 has 656 MA's), (38, 15755), (48, 15830), (55, 15908),

Gene: Trixie_23 Start: 15596, Stop: 15964, Start Num: 30
Candidate Starts for Trixie_23:
(Start: 30 @15596 has 656 MA's), (55, 15806),

Gene: Trooper_20 Start: 13771, Stop: 14160, Start Num: 30
Candidate Starts for Trooper_20:
(Start: 14 @13672 has 2 MA's), (Start: 22 @13723 has 2 MA's), (Start: 30 @13771 has 656 MA's), (38, 13828), (48, 13903), (55, 13981), (58, 14017), (65, 14059),

Gene: Trouble_18 Start: 13670, Stop: 14032, Start Num: 27
Candidate Starts for Trouble_18:
(Start: 21 @13625 has 1 MA's), (Start: 27 @13670 has 220 MA's), (Start: 34 @13715 has 4 MA's), (Start: 37 @13727 has 1 MA's), (50, 13844), (51, 13862), (55, 13883), (57, 13913), (63, 13934), (67, 13958), (77, 14015),

Gene: TroyPia_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for TroyPia_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Tubs_21 Start: 14708, Stop: 15076, Start Num: 30
Candidate Starts for Tubs_21:
(Start: 14 @14603 has 2 MA's), (20, 14636), (Start: 22 @14660 has 2 MA's), (Start: 30 @14708 has 656 MA's), (Start: 34 @14750 has 4 MA's), (38, 14765), (47, 14834), (55, 14918),

Gene: Tucker_23 Start: 14043, Stop: 14411, Start Num: 30
Candidate Starts for Tucker_23:
(9, 13839), (Start: 30 @14043 has 656 MA's), (Start: 39 @14103 has 1 MA's), (55, 14253),

Gene: Turbido_22 Start: 14426, Stop: 14794, Start Num: 30
Candidate Starts for Turbido_22:
(Start: 30 @14426 has 656 MA's), (38, 14483), (48, 14558), (55, 14636), (60, 14681),

Gene: Turj99_17 Start: 13108, Stop: 13470, Start Num: 27
Candidate Starts for Turj99_17:
(Start: 21 @13063 has 1 MA's), (Start: 27 @13108 has 220 MA's), (Start: 34 @13153 has 4 MA's), (Start: 37 @13165 has 1 MA's), (50, 13282), (51, 13300), (55, 13321), (56, 13348), (63, 13372), (67, 13396), (78, 13456),

Gene: Twigg_16 Start: 12280, Stop: 12642, Start Num: 30
Candidate Starts for Twigg_16:
(Start: 14 @12181 has 2 MA's), (20, 12214), (Start: 30 @12280 has 656 MA's), (Start: 32 @12310 has 1 MA's), (45, 12382), (59, 12523),

Gene: Twister_19 Start: 13019, Stop: 13381, Start Num: 30
Candidate Starts for Twister_19:
(Start: 30 @13019 has 656 MA's), (48, 13145), (60, 13268), (78, 13367),

Gene: TwoPeat_19 Start: 13623, Stop: 13985, Start Num: 27
Candidate Starts for TwoPeat_19:
(Start: 21 @13578 has 1 MA's), (Start: 27 @13623 has 220 MA's), (Start: 34 @13668 has 4 MA's), (Start: 37 @13680 has 1 MA's), (50, 13797), (51, 13815), (55, 13836), (57, 13866), (63, 13887), (67, 13911), (77, 13968),

Gene: TygerBlood_19 Start: 13204, Stop: 13566, Start Num: 30
Candidate Starts for TygerBlood_19:
(Start: 30 @13204 has 656 MA's), (Start: 32 @13234 has 1 MA's), (52, 13399), (60, 13453), (65, 13480), (78, 13552),

Gene: U2_18 Start: 13583, Stop: 13888, Start Num: 37
Candidate Starts for U2_18:

(Start: 21 @13481 has 1 MA's), (Start: 27 @13526 has 220 MA's), (Start: 34 @13571 has 4 MA's), (Start: 37 @13583 has 1 MA's), (50, 13700), (51, 13718), (55, 13739), (57, 13769), (63, 13790), (67, 13814), (77, 13871),

Gene: Ugenie5_18 Start: 14741, Stop: 15109, Start Num: 30
Candidate Starts for Ugenie5_18:
(Start: 14 @14636 has 2 MA's), (20, 14669), (Start: 22 @14693 has 2 MA's), (Start: 30 @14741 has 656 MA's), (Start: 34 @14783 has 4 MA's), (38, 14798), (47, 14867), (55, 14951),

Gene: UhSalsa_15 Start: 9293, Stop: 9649, Start Num: 30
Candidate Starts for UhSalsa_15:
(18, 9221), (Start: 30 @9293 has 656 MA's), (35, 9335), (38, 9344), (52, 9491), (55, 9500),

Gene: Ulysses_18 Start: 12926, Stop: 13288, Start Num: 30
Candidate Starts for Ulysses_18:
(Start: 30 @12926 has 656 MA's), (Start: 32 @12956 has 1 MA's), (52, 13121), (60, 13175), (65, 13202), (78, 13274),

Gene: UnionJack_16 Start: 11860, Stop: 12222, Start Num: 30
Candidate Starts for UnionJack_16:
(20, 11794), (Start: 30 @11860 has 656 MA's), (Start: 32 @11890 has 1 MA's), (45, 11962),

Gene: Updawg_22 Start: 14432, Stop: 14800, Start Num: 30
Candidate Starts for Updawg_22:
(Start: 22 @14381 has 2 MA's), (Start: 30 @14432 has 656 MA's), (48, 14564), (55, 14642),

Gene: VA6_20 Start: 13941, Stop: 14309, Start Num: 30
Candidate Starts for VA6_20:
(Start: 14 @13836 has 2 MA's), (Start: 22 @13893 has 2 MA's), (Start: 30 @13941 has 656 MA's), (48, 14073), (55, 14151), (60, 14196),

Gene: VC3_23 Start: 13928, Stop: 14296, Start Num: 30
Candidate Starts for VC3_23:
(19, 13871), (Start: 30 @13928 has 656 MA's), (Start: 31 @13934 has 2 MA's), (Start: 32 @13964 has 1 MA's), (38, 13985), (55, 14138),

Gene: Vanisoa_19 Start: 12796, Stop: 13164, Start Num: 30
Candidate Starts for Vanisoa_19:
(Start: 30 @12796 has 656 MA's), (38, 12853), (Start: 39 @12856 has 1 MA's), (46, 12913), (55, 13006),

Gene: Veracruz_19 Start: 13383, Stop: 13745, Start Num: 30
Candidate Starts for Veracruz_19:
(Start: 14 @13299 has 2 MA's), (Start: 22 @13356 has 2 MA's), (Start: 30 @13383 has 656 MA's), (52, 13578), (54, 13584), (60, 13632), (78, 13731),

Gene: Violet_17 Start: 13915, Stop: 14277, Start Num: 27
Candidate Starts for Violet_17:
(Start: 21 @13870 has 1 MA's), (Start: 27 @13915 has 220 MA's), (Start: 34 @13960 has 4 MA's), (Start: 37 @13972 has 1 MA's), (50, 14089), (51, 14107), (55, 14128), (56, 14155), (63, 14179), (67, 14203), (77, 14260),

Gene: Vix_21 Start: 13377, Stop: 13745, Start Num: 30

Candidate Starts for Vix_21:
(13, 13287), (Start: 30 @13377 has 656 MA's), (Start: 32 @13413 has 1 MA's), (48, 13509), (55, 13587), (65, 13659), (78, 13731),

Gene: VohminGhazi_23 Start: 14049, Stop: 14417, Start Num: 30
Candidate Starts for VohminGhazi_23:
(Start: 22 @14004 has 2 MA's), (Start: 30 @14049 has 656 MA's), (Start: 39 @14109 has 1 MA's), (48, 14181), (55, 14259),

Gene: Waits_22 Start: 13015, Stop: 13383, Start Num: 30
Candidate Starts for Waits_22:
(11, 12844), (15, 12871), (28, 12997), (Start: 30 @13015 has 656 MA's), (38, 13072), (Start: 39 @13075 has 1 MA's), (55, 13225), (67, 13309),

Gene: WalterMcMickey_19 Start: 13019, Stop: 13381, Start Num: 30
Candidate Starts for WalterMcMickey_19:
(Start: 30 @13019 has 656 MA's), (48, 13145), (60, 13268), (78, 13367),

Gene: Wander_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Wander_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Warrior24_22 Start: 13019, Stop: 13387, Start Num: 30
Candidate Starts for Warrior24_22:
(11, 12848), (15, 12875), (28, 13001), (Start: 30 @13019 has 656 MA's), (38, 13076), (Start: 39 @13079 has 1 MA's), (55, 13229), (67, 13313),

Gene: Watermelon_20 Start: 14221, Stop: 14583, Start Num: 27
Candidate Starts for Watermelon_20:
(Start: 21 @14176 has 1 MA's), (Start: 27 @14221 has 220 MA's), (Start: 34 @14266 has 4 MA's), (Start: 37 @14278 has 1 MA's), (50, 14395), (51, 14413), (55, 14434), (57, 14464), (63, 14485), (67, 14509), (77, 14566),

Gene: Watson_21 Start: 13287, Stop: 13655, Start Num: 30
Candidate Starts for Watson_21:
(13, 13197), (Start: 30 @13287 has 656 MA's), (Start: 32 @13323 has 1 MA's), (48, 13419), (55, 13497), (65, 13569), (78, 13641),

Gene: WeiHuaDA_25 Start: 16201, Stop: 16569, Start Num: 30
Candidate Starts for WeiHuaDA_25:
(Start: 22 @16150 has 2 MA's), (Start: 30 @16201 has 656 MA's), (55, 16411),

Gene: Whabigail7_22 Start: 14414, Stop: 14782, Start Num: 30
Candidate Starts for Whabigail7_22:
(Start: 30 @14414 has 656 MA's), (38, 14471), (48, 14546), (55, 14624), (60, 14669),

Gene: Wheeler_18 Start: 13676, Stop: 14038, Start Num: 27
Candidate Starts for Wheeler_18:
(Start: 21 @13631 has 1 MA's), (Start: 27 @13676 has 220 MA's), (Start: 34 @13721 has 4 MA's), (Start: 37 @13733 has 1 MA's), (50, 13850), (51, 13868), (55, 13889), (57, 13919), (63, 13940), (67, 13964), (77, 14021),

Gene: Whitspit_19 Start: 13995, Stop: 14375, Start Num: 24
Candidate Starts for Whitspit_19:
(12, 13911), (16, 13932), (Start: 24 @13995 has 5 MA's), (Start: 34 @14058 has 4 MA's), (Start: 37 @14070 has 1 MA's), (50, 14187), (51, 14205), (55, 14226), (57, 14256), (63, 14277), (67, 14301),

Gene: WideWale_22 Start: 14432, Stop: 14800, Start Num: 30
Candidate Starts for WideWale_22:
(Start: 22 @14381 has 2 MA's), (Start: 30 @14432 has 656 MA's), (48, 14564), (55, 14642),

Gene: Wiks_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for Wiks_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Wilbur_19 Start: 13205, Stop: 13567, Start Num: 30
Candidate Starts for Wilbur_19:
(Start: 30 @13205 has 656 MA's), (Start: 32 @13235 has 1 MA's), (52, 13400), (60, 13454), (65, 13481), (78, 13553),

Gene: Wile_19 Start: 13223, Stop: 13585, Start Num: 30
Candidate Starts for Wile_19:
(Start: 30 @13223 has 656 MA's), (40, 13280), (52, 13418), (60, 13472), (64, 13493), (78, 13571),

Gene: Wilkins_18 Start: 13084, Stop: 13446, Start Num: 27
Candidate Starts for Wilkins_18:
(Start: 21 @13039 has 1 MA's), (Start: 27 @13084 has 220 MA's), (Start: 34 @13129 has 4 MA's), (Start: 37 @13141 has 1 MA's), (50, 13258), (51, 13276), (55, 13297), (56, 13324), (63, 13348), (67, 13372), (77, 13429),

Gene: Wizard007_19 Start: 13207, Stop: 13569, Start Num: 30
Candidate Starts for Wizard007_19:
(Start: 30 @13207 has 656 MA's), (Start: 32 @13237 has 1 MA's), (52, 13402), (60, 13456), (65, 13483), (78, 13555),

Gene: Wolpertinger_19 Start: 14472, Stop: 14840, Start Num: 30
Candidate Starts for Wolpertinger_19:
(Start: 14 @14388 has 2 MA's), (19, 14415), (20, 14421), (Start: 22 @14445 has 2 MA's), (Start: 30 @14472 has 656 MA's), (Start: 31 @14478 has 2 MA's), (48, 14604), (55, 14682), (67, 14766), (72, 14793),

Gene: Wooldri_23 Start: 13206, Stop: 13574, Start Num: 30
Candidate Starts for Wooldri_23:
(13, 13116), (Start: 30 @13206 has 656 MA's), (Start: 32 @13242 has 1 MA's), (48, 13338), (55, 13416), (65, 13488), (78, 13560),

Gene: WorldCup_18 Start: 12778, Stop: 13146, Start Num: 30
Candidate Starts for WorldCup_18:
(Start: 30 @12778 has 656 MA's), (38, 12835), (Start: 39 @12838 has 1 MA's), (55, 12988),

Gene: WunderPhul_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for WunderPhul_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Xena_19 Start: 13210, Stop: 13572, Start Num: 30
Candidate Starts for Xena_19:
(Start: 30 @13210 has 656 MA's), (40, 13267), (52, 13405), (60, 13459), (64, 13480), (78, 13558),

Gene: XianYue_20 Start: 13905, Stop: 14273, Start Num: 30
Candidate Starts for XianYue_20:
(Start: 14 @13800 has 2 MA's), (Start: 22 @13857 has 2 MA's), (Start: 30 @13905 has 656 MA's), (55, 14115),

Gene: Yecey3_20 Start: 12832, Stop: 13200, Start Num: 30
Candidate Starts for Yecey3_20:
(Start: 30 @12832 has 656 MA's), (38, 12889), (48, 12964), (55, 13042), (58, 13078),

Gene: YoSam321_19 Start: 13202, Stop: 13564, Start Num: 30
Candidate Starts for YoSam321_19:
(Start: 30 @13202 has 656 MA's), (Start: 32 @13232 has 1 MA's), (52, 13397), (60, 13451), (65, 13478), (78, 13550),

Gene: Yogi_15 Start: 9261, Stop: 9617, Start Num: 30
Candidate Starts for Yogi_15:
(18, 9189), (Start: 30 @9261 has 656 MA's), (35, 9303), (38, 9312), (42, 9336), (55, 9468),

Gene: Yokurt_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for Yokurt_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Yoncess_15 Start: 9261, Stop: 9617, Start Num: 30
Candidate Starts for Yoncess_15:
(18, 9189), (Start: 30 @9261 has 656 MA's), (35, 9303), (38, 9312), (42, 9336), (52, 9459), (55, 9468),

Gene: Zaka_23 Start: 14025, Stop: 14393, Start Num: 30
Candidate Starts for Zaka_23:
(Start: 22 @13980 has 2 MA's), (Start: 30 @14025 has 656 MA's), (Start: 39 @14085 has 1 MA's), (48, 14157), (55, 14235),

Gene: Zarafa_19 Start: 12907, Stop: 13269, Start Num: 30
Candidate Starts for Zarafa_19:
(Start: 14 @12820 has 2 MA's), (Start: 21 @12865 has 1 MA's), (Start: 22 @12877 has 2 MA's), (Start: 30 @12907 has 656 MA's), (Start: 32 @12937 has 1 MA's), (60, 13156), (78, 13255),

Gene: Zeeculate_17 Start: 13362, Stop: 13724, Start Num: 27
Candidate Starts for Zeeculate_17:
(Start: 21 @13317 has 1 MA's), (Start: 27 @13362 has 220 MA's), (Start: 34 @13407 has 4 MA's), (Start: 37 @13419 has 1 MA's), (50, 13536), (51, 13554), (55, 13575), (57, 13605), (63, 13626), (67, 13650), (77, 13707),

Gene: Zephyr_18 Start: 13454, Stop: 13816, Start Num: 27
Candidate Starts for Zephyr_18:
(Start: 21 @13409 has 1 MA's), (Start: 27 @13454 has 220 MA's), (Start: 34 @13499 has 4 MA's), (Start: 37 @13511 has 1 MA's), (50, 13628), (51, 13646), (55, 13667), (57, 13697), (63, 13718), (67, 13742), (77, 13799),

Gene: Zetzy_20 Start: 12827, Stop: 13195, Start Num: 30
Candidate Starts for Zetzy_20:
(13, 12737), (Start: 30 @12827 has 656 MA's), (55, 13037), (68, 13133), (78, 13181),

Gene: Zeuska_19 Start: 13941, Stop: 14258, Start Num: 34
Candidate Starts for Zeuska_19:
(Start: 21 @13851 has 1 MA's), (Start: 27 @13896 has 220 MA's), (Start: 34 @13941 has 4 MA's), (Start: 37 @13953 has 1 MA's), (50, 14070), (51, 14088), (55, 14109), (57, 14139), (63, 14160), (67, 14184), (77, 14241),

Gene: Zimmer_22 Start: 15522, Stop: 15890, Start Num: 30
Candidate Starts for Zimmer_22:
(Start: 14 @15408 has 2 MA's), (19, 15435), (Start: 22 @15465 has 2 MA's), (Start: 30 @15522 has 656 MA's), (48, 15654), (55, 15732), (60, 15777),

Gene: Zolita_15 Start: 12386, Stop: 12748, Start Num: 30
Candidate Starts for Zolita_15:
(Start: 30 @12386 has 656 MA's), (45, 12488),

Gene: Zulu_23 Start: 14024, Stop: 14392, Start Num: 30
Candidate Starts for Zulu_23:
(Start: 22 @13979 has 2 MA's), (Start: 30 @14024 has 656 MA's), (Start: 39 @14084 has 1 MA's), (48, 14156), (55, 14234),