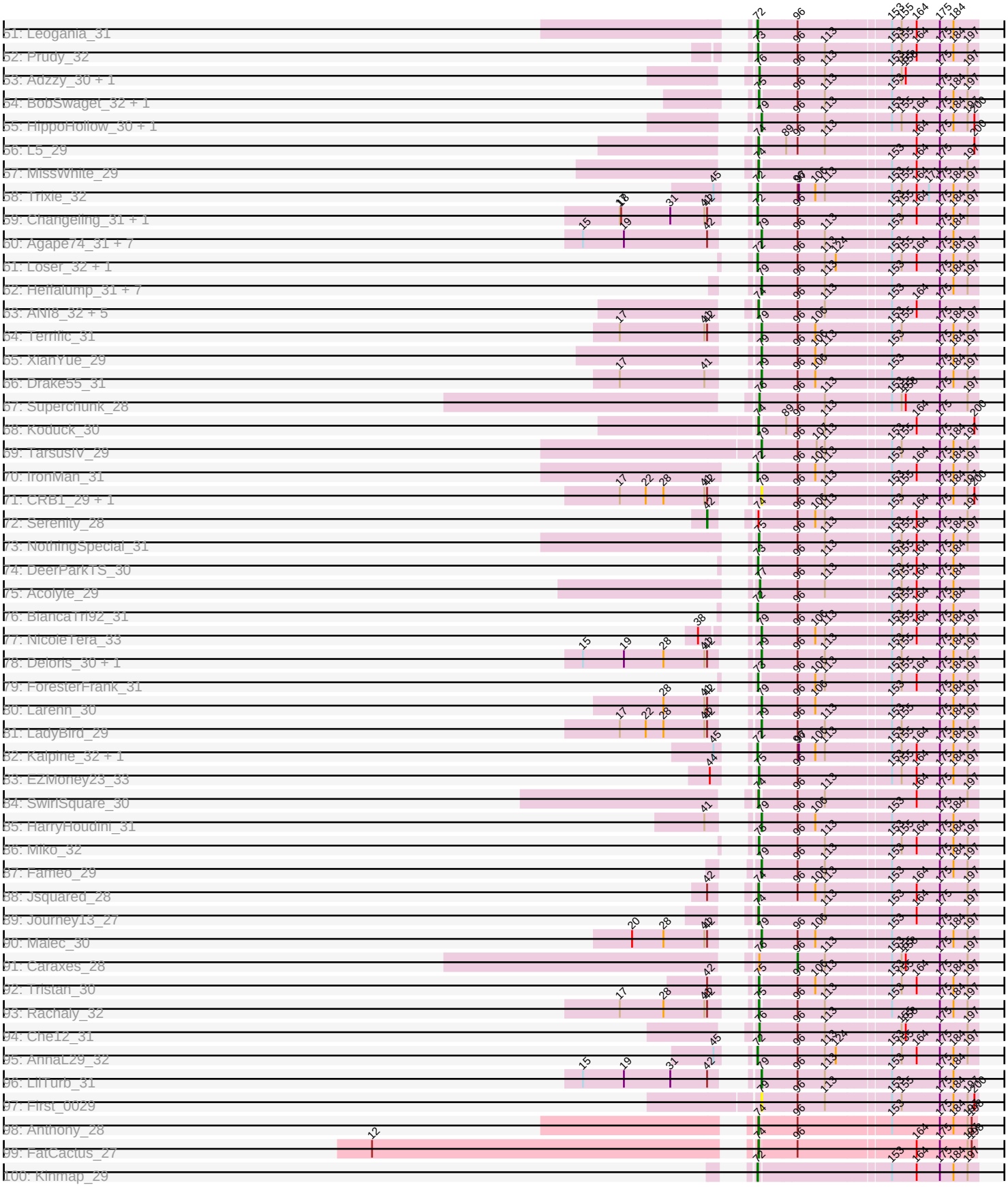
Pham 347013


1: Aeneas_30 + 145
2: StrongArm_27 + 62
3: Forsytheast_28 + 2
4: TwoPeat_29 + 14
5: Perseus_30 + 6
6: Crispicous1_27 + 1
7: BK1_26 + 1
8: BaconJack_31 + 1
9: DontArgue_27 + 19
10: Topanga_28
11: Aneem_29 + 9
12: Insomnia_29
13: Salz_29 + 16
14: Pharaoh_29
15: Refuge_32
16: Zimmer_31
17: DarthPhader_30
18: Steamy_30
19: Phiel_24
20: Gail_29 + 2
21: Sunhee_29
22: SororFago_29
23: Anon_29
24: Boohoo_31 + 20
25: DekHockey33_31
26: Elle_29
27: LogiBear_31
28: Nedarya_30
29: Lucyedi_30
30: EagleEye_31 + 1
31: 40AC_32
32: MyraDee_26
33: Kimona_25
34: Baehexic_30 + 10
35: SweetiePie_29 + 1
36: WeiHuaDA_34
37: TipsytheTRex_28
38: Trooper_29
39: Bradman_28 + 2
40: Benvolio_29 + 1
41: Iwokeuplikedis_30
42: Jerm_31
43: Herbertwm_26
44: Odin_28
45: Naji_32 + 9
46: Pukovnik_31
47: GaugeLDP_31 + 1
48: KingCyrus_31 + 3
49: Jaan_32 + 3
50: Retro23_29 + 3

Pham 347013


51: Leogania_31
52: Prudy_32
53: Adzzy_30 + 1
54: BobSwaget_32 + 1
55: HippoHollow_30 + 1
56: L5_29
57: MissWhite_29
58: Trixie_32
59: Changeling_31 + 1
60: Agape74_31 + 7
61: Loser_32 + 1
62: Heffalump_31 + 7
63: ANI8_32 + 5
64: Terrific_31
65: XianYue_29
66: Drake55_31
67: Superchunk_28
68: Kodiack_30
69: TarsusIV_29
70: IronMan_31
71: CRB1_29 + 1
72: Serenity_28
73: NothingSpecial_31
74: DeerParkTS_30
75: Acolyte_29
76: BiancaTri92_31
77: NicoleTera_33
78: Delons_30 + 1
79: ForesterFrank_31
80: Larenn_30
81: LadyBird_29
82: Kalpine_32 + 1
83: EZMoney23_33
84: SwimSquare_30
85: HarryHoudini_31
86: Miko_32
87: Fameo_29
88: Jsquared_28
89: Journey13_27
90: Malec_30
91: Caraxes_28
92: Tristan_30
93: Rachaly_32
94: Che12_31
95: AnnaL29_32
96: LilTurb_31
97: First_0029
98: Anthony_28
99: FatCactus_27
100: Kinmap_29

Pham 347013


I01: Chargerpower_30
I02: Texage_28 + 14
I03: Montavir_29 + 85
I04: Fred313_28 + 18
I05: Jobu08_30 + 1
I06: Ollie_30
I07: Phantastic_28
I08: BabyJohn_27 + 1
I09: Giroux_29 + 6
I10: Puppy_29 + 1
I11: Isca_28
I12: MA5_28
I13: Grum1_30
I14: Mundrea_28 + 1
I15: Camperdownii_27 + 94
I16: Connomayer_28 + 6
I17: LHTSCC_29 + 22
I18: PetiteSangsue_28 + 13
I19: LittleGuy_28
I20: Cerulean_29 + 3
I21: Stasia_29
I22: Stink_29 + 2
I23: Noelle_28
I24: Micasa_25 + 12
I25: AgentM_25 + 4
I26: Archetta_25 + 5
I27: Jabiru_25
I28: Chadwick_26 + 1
I29: Thela_23
I30: Florence1_25 + 3
I31: Ghoulboy_25 + 2
I32: Naca_25 + 4
I33: UnionJack_25
I34: Tiger_25
I35: SuperAwesome_32 + 51
I36: Toro_31 + 2
I37: HINdeR_28
I38: PP_38
I39: DroogsArmy_29 + 1
I40: Danforth_24 + 5
I41: Expelliarmus_24 + 3
I42: Saintus_25 + 1
I43: Phonnegut_31 + 20
I44: EmyBug_31 + 4
I45: Arissanae_29
I46: Bellris_28 + 5
I47: Darrell_31
I48: Toaka_28
I49: Alma_31
I50: LoneWolf_30

Pham 347013


151: BogosyJay_30
152: SneaKeira_29
153: Celestialunch_28 + 1
154: Yecey3_30
155: Conquerage_31 + 2
156: Elephantoon_30
157: Keziacharles14_29
158: Mamiriaina_30
159: Charm_29 + 2
160: Harlequin_24 + 7
161: Swann_24 + 24
162: PhallMary_23 + 1
163: Takoda_24 + 1
164: RGL3_17
165: Horseradish_20 + 2
166: McDazzle_18 + 14
167: Bavilard_19 + 1
168: Elliott_19 + 18
169: ChocoMunchkin_19 + 3
170: Survivors_21 + 6
171: Fnos8_20
172: Blondies_20 + 5
173: ChickenTender_21
174: Dre3_19 + 1
175: Yakult_20
176: Malvina_21
177: KayGee_19 + 2
178: AlkoCarson_18
179: Amok_18
180: Tolls_21 + 3
181: Hexbug_21
182: Emalyn_18
183: Jamzy_22
184: Nodigi_21
185: Margaret_22 + 1
186: Button_20
187: Cleo_19
188: Orla_21
189: GTE2_17
190: GIKK_22
191: HippoPolo11_21
192: Volt_56 + 2
193: Keelan_52
194: Fryberger_54
195: Guey18_59
196: Manlisa_24 + 2
197: Dogfish_22
198: Nyceirae_24
199: Ewald_23
200: BabyMoney_22 + 1

Pham 347013


201: Octobien14_29
202: Sephiroth_29 + 1
203: Kudelre_28
204: LilJank_29 + 2
205: Rabbitrun_31
206: Poushou_20 + 3
207: Lederberg_18 + 6
208: StAB_18
209: MitcyPS_18
210: PSonyx_18 + 1
211: Blarby_21
212: Zapher_21 + 7
213: Colossa_21
214: LeBron_19 + 19
215: Kahlid_19 + 33
216: Bazzle_19 + 1
217: GuuelaD_19
218: DanBing_18 + 5
219: DHan_19
220: Red305_20 + 13
221: MiniMac_20 + 2
222: DuncansLeg_20 + 1
223: Whirlwind_21
224: Krypton555_20
225: KirDoubleO7_18 + 2
226: FarmResident_19 + 8
227: DyoEdafos_20
228: Bromden_20 + 1
229: Aegeus_19 + 1
230: Tallonex_25
231: Juicebox_20
232: DS6A_22
233: LilSpotty_19

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 347013 Report

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

Pham number 347013 has 1187 members, 108 are drafts.

Phages represented in each track:
• Track 1 : Aeneas_30, Corvo_29, Eyeball_28, HermioneGrange_28, Museum_30, GageAP_30, Blesser_28, Naira_29, Jerm2_29, Alsfro_32, Pippin_30, SarFire_28, Bob3_27, Espresso_28, Magnar_28, Oogway_27, Gandalf20_29, Arcanine_29, Blackflame_28, MPlant7149_27, Norz_30, Dulcie_27, DreamCatcher_31, Ohno789_28, Scowl_29, JC27_30, MrGordo_28, EnzoK_29, Pinto_31, Bxb1_26, MilleFeuille_27, Fascinus_27, CactusRose_27, Bigfoot_27, NEHalo_28, Marcell_28, Euphoria_28, Petp2012_30, Fajezeel_30, MetalQZJ_28, Briton15_30, Kugel_29, Mule_28, Agaliana_29, Beatrix_28, StewieG_27, CartmannCramer_28, Pepe_29, Chanagan_27, Greg_30, MaryBeth_28, Squee_29, Bigchungi_28, Seanderson_29, HanShotFirst_28, Pari_29, Sumter_27, DD5_29, Burton_29, Bones_28, Adahisdi_29, BigMau_30, Arlo_27, Bircsak_28, ChristmasHams_29, Doom_29, Abbyshoes_29, JackSparrow_29, Abrogate_290, Dussy_29, Licorice_30, Smairt_29, Marco3_28, Altman_30, BigPaolini_29, Edtherson_29, BillKnuckles_29, Papez_30, Marsha_28, BeesKnees_29, Sibs6_30, SpikeBT_30, Lockley_28, Froghopper_29, Peterson_31, Acme_30, Marge_29, ProMouse_29, Makemake_28, Kenmech_31, Barriga_28, Gyzlar_30, PattyP_30, U2_28, Pelly_29, Maroc7_27, Dexes_29, Zephyr_28, Phlippers_27, Gachnar_28, Kanely_29, McSinger_29, Wheeler_28, Wilkins_28, Fushigi_29, Fenn_29, Rajelicia_28, Homines_28, PhrostyMug_28, Bethlehem_28, AFIS_28, Raid_28, Jorgensen_28, Michley_28, Big3_28, Rhynn_28, Sorpresa_28, Sandaddy_27, Watermelon_30, Puppet_28, Atkinbua_30, Monet_30, Ciao_28, HarryOW_29, Gompeii16_28, Rohr_29, ShortQueendom_28, Graduation_30, Thor_28, Ringer_28, Carlyle_30, Smeagol_30, Tripl3t_29, Traft412_30, Topgun_28, Sagefire_29, SkiPole_30, Cueylyss_28, Ajay_29, Mkhuseli_29, Target_31, TheloniousMonk_30, Sanya_28, GMonster_27, Treddle_30, PowerRanger_29
• Track 2 : StrongArm_27, Bexan_27, Paphu_27, KSSJEB_28, KikiBouba_31, Magnito_27, Hami1_30, Seabiscuit_30, Rutherferd_30, Iqorha_27, Buttons_30, QTRlifeCrisis_28, Levia_28, BarrowTuph_27, Jasper_29, GrecoEtereo_30, PinkPlastic_27, Zeuska_29, PherrisBueller_29, GroundGoblin_30, Inyanga_27, Petruchio_29, Violet_27, ConceptII_30, Teodoridan_26, Payneful_28, Nhonho_28, Dreamboat_29, Switzer_29, Noxious_31, Blue_28, DirtDevil_30, Turj99_27, Dynamix_29, Mryolo_27, Lamina13_28, Nerujay_29, KBG_29, Ruotula_27, Solon_28, Parliament_27, ILeeKay_30, Anglerfish_29, LilBib_29, Lesedi_27, Trouble_29, KyMonks1A_30, Marchy_27, STLscum_29, Aldrich_30, Snazzy_27, Manatee_29, RidgeCB_28, Applejack_28, Ichabod_29, McGuire_29, Whitspit_29, PacerPaul_28, CatBus_30, Tasp14_29, PhineBark_27, Hermia_31, Killigrew_26
• Track 3 : Forsytheast_28, Moose_28, SwissCheese_30

• Track 4 : TwoPeat_29, Alvin_29, Paraselene_27, Pita2_30, Lopton_29, DrFeelGood_27, PSullivan_30, Gwendoluna_30, Tote_30, JuliaChild_30, Slagathor_29, Molly_29, Swole_30, BPBiebs31_29, Zeeculate_28
• Track 5 : Perseus_30, PascalRango_29, IgnatiusPatJac_28, LunarLander_29, BluSpix_29, Kykar_28, Sunshine924_29
• Track 6 : Crispicous1_27, Niza_30
• Track 7 : BK1_26, A6_26
• Track 8 : BaconJack_31, Ashballer_30
• Track 9 : DontArgue_27, Goose_28, Eaglepride_29, RhynO_29, Edison31_28, Poompha_27, Kristoff_29, PeaceMeal1_27, WalterMcMickey_28, Drake94_27, KittenMittens_27, OKCentral2016_28, Shapes_32, Trike_26, Chupacabra_28, Rowdy_32, Twister_28, Severus_27, Rebeuca_29, DustyMartin_32
• Track 10 : Topanga_28
• Track 11 : Aneem_29, Flaverint_29, TinyTimmy_29, Joselito_29, Gilberta_29, Bowtie_29, Mabel_29, Saskia_29, Munch_29, MaCh_29
• Track 12 : Insomnia_29
• Track 13 : Salz_29, Hutc2_29, Kimba_29, Orange_29, Bachome_29, Ebony_29, Sham4_29, Fibonacci_29, Jabith_29, Et2Brutus_28, Wolpertinger_28, Bud_29, Mulciber_29, Snape_29, Lucivia_29, Timothy_29, Petersenfast_29
• Track 14 : Pharaoh_29
• Track 15 : Refuge_32
• Track 16 : Zimmer_31
• Track 17 : DarthPhader_30
• Track 18 : Steamy_30
• Track 19 : Phlei_24
• Track 20 : Gail_29, Jeeves_29, Luchador_31
• Track 21 : Sunhee_29
• Track 22 : SororFago_29
• Track 23 : Anon_29
• Track 24 : Boohoo_31, Strosahl_31, Oofda_31, MinecraftSteve_32, Remus_31, Rosalind_31, Battleship_32, JSwag_31, ShayRa_32, Warrior24_31, Looper_32, Soups_31, Waits_31, KatherineG_31, Nebulosus_31, Ravana_31, Anaysia_31, Switzerland_31, ReMo_31, LastResort_31, Epsocamisio_31
• Track 25 : DekHockey33_31
• Track 26 : Elle_29
• Track 27 : LogiBear_31
• Track 28 : Nedarya_30
• Track 29 : Lucyedi_30
• Track 30 : EagleEye_31, PainterBoy_30
• Track 31 : 40AC_32
• Track 32 : MyraDee_26
• Track 33 : Kimona_25
• Track 34 : Baehexic_30, Gratitude_31, NaSiaTalie_29, Centaur_31, Flare16_29, WideWale_31, Piro94_30, Updawg_31, Equemioh13_31, MiculUcigas_29, Sknot_29
• Track 35 : SweetiePie_29, SnapTap_29
• Track 36 : WeiHuaDA_34
• Track 37 : TipsytheTRex_28
• Track 38 : Trooper_29
• Track 39 : Bradman_28, MajorMajor_28, Quokka_27
• Track 40 : Benvolio_29, Echild_29
• Track 41 : Iwokeuplikedis_30
• Track 42 : Jerm_31
• Track 43 : Herbertwm_26

• Track 44 : Odin_28
• Track 45 : Naji_32, Pomar16_32, Kerberos_32, D32_32, StarStuff_32, Tomathan_32, DBQu4n_32, Duplo_32, D29_29, Travvers_32
• Track 46 : Pukovnik_31
• Track 47 : GaugeLDP_31, BabyBack_31
• Track 48 : KingCyrus_31, JoshKayV_31, EvilGenius_31, ChipMunk_31
• Track 49 : Jaan_32, Bactobuster_30, Phaded_32, Landor_30
• Track 50 : Retro23_29, Dalmatian_29, Anselm_29, DudeLittle_29
• Track 51 : Leogania_31
• Track 52 : Prudy_32
• Track 53 : Adzzy_30, Ph8s_30
• Track 54 : BobSwaget_32, Lokk_32
• Track 55 : HippoHollow_30, LionsBait_30
• Track 56 : L5_29
• Track 57 : MissWhite_29
• Track 58 : Trixie_32
• Track 59 : Changeling_31, ArcherNM_31
• Track 60 : Agape74_31, Turbido_31, Whabigail7_31, Dignity_31, AbbyPaige_31, Bugsy_31, Leviathan_31, Smeagan_31
• Track 61 : Loser_32, RedRock_32
• Track 62 : Heffalump_31, QueenBeesly_29, Georgie2_30, FiringLine_29, QueenB2_29, SemperFi_31, Crucio_29, Power_29
• Track 63 : ANI8_32, AN9_32, AN3_29, VA6_29, VC3_32, C3_27
• Track 64 : Terrific_31
• Track 65 : XianYue_29
• Track 66 : Drake55_31
• Track 67 : Superchunk_28
• Track 68 : Koduck_30
• Track 69 : TarsusIV_29
• Track 70 : IronMan_31
• Track 71 : CRB1_29, 20ES_29
• Track 72 : Serenity_28
• Track 73 : NothingSpecial_31
• Track 74 : DeerParkTS_30
• Track 75 : Acolyte_29
• Track 76 : BiancaTri92_31
• Track 77 : NicoleTera_33
• Track 78 : Deloris_30, BengiVuitton_30
• Track 79 : ForesterFrank_31
• Track 80 : Larenn_30
• Track 81 : LadyBird_29
• Track 82 : Kalpine_32, Colin_32
• Track 83 : EZMoney23_33
• Track 84 : SwirlSquare_30
• Track 85 : HarryHoudini_31
• Track 86 : Miko_32
• Track 87 : Fameo_29
• Track 88 : Jsquared_28
• Track 89 : Journey13_27
• Track 90 : Malec_30
• Track 91 : Caraxes_28
• Track 92 : Tristan_30
• Track 93 : Rachaly_32

• Track 94 : Che12_31
• Track 95 : AnnaL29_32
• Track 96 : LilTurb_31
• Track 97 : First_0029
• Track 98 : Anthony_28
• Track 99 : FatCactus_27
• Track 100 : Kinmap_29
• Track 101 : Chargerpower_30
• Track 102 : Texage_28, QuinnKiro_28, Veracruz_28, Norbert_28, Todacoro_29, EtoileNova_29, Margo_29, Panamaxus_28, Caviar_29, Pocahontas_29, Noella_29, ResDef_29, Hookmount_29, Lambert1_29, Popcicle_29
• Track 103 : Montavir_29, Hercules11_30, LBerry_30, Phranny_31, Phoxy_30, GingkoMaracino_30, TinyPebbles_30, PotatoSplit_31, Croquant_31, AugsMagnumOpus_32, PurpleHaze_30, KADY_31, ACFishhook_30, JeppNRM_31, EpicPhail_30, Pawn_30, Mainiac_30, Cullens_30, Gwennie_30, Penny1_30, Watson_30, Gemma_30, Stagni_30, LugYA_32, Lilith_30, AgronaGT15_30, Dieselweasel_30, Vix_30, Malinsilva_32, Anubis_32, Spike509_30, Kalnoky_31, Sabia_30, JHC117_30, Manu_31, SoYo_30, Phoebe_30, Grub_30, HaveUMetTed_31, Methuselah_29, Beauxregard13_30, Louie6_30, Groupthink_31, PGHhamlin_32, MadMarie_30, StepMih_30, Misomonster_32, Farber_30, Calvinny_30, Grif_30, Lowa_30, Zetzy_29, Aglet_30, Tiffany_30, ClownCar_30, MarQuardt_30, Microwolf_30, Reba_31, Bigflo_30, Bxz2_29, Wooldri_32, Fernando_30, Kalb97_31, MuchMore_32, Marie_30, BuzzBuzz_29, LarryKay_30, Colbster_30, Snickers_30, Sabinator_30, DaHudson_30, Pembroke_30, Daishi_29, P28Green_30, Soshari_32, Heliosoles_30, BreSam8_30, Rummer_30, JenCasNa_30, PhishRPhriends_29, OlanP_30, Marius_31, GtownJaz_30, MoneyMay_30, Taurus_30, HashRod_31
• Track 104 : Fred313_28, JF2_28, Goose1D_28, Shep_28, B1_26, Heathen_28, Roimos_28, HelDan_28, Kachowdy_28, Goose1X_28, Zarafa_28, Marchesa_28, Cat_26, Scout_28, BabyRay_28, JF4_28, Rockstar_28, DropBear_28, MK4_28
• Track 105 : Jobu08_30, SoilDragon_30
• Track 106 : Ollie_30
• Track 107 : Phantastic_28
• Track 108 : BabyJohn_27, Chiqui_27
• Track 109 : Giroux_29, Idleandcovert_28, Bugatti_29, Clammy_29, SaturnRing_28, BlueBird_29, Pistachio_29
• Track 110 : Puppy_29, TNguyen7_28
• Track 111 : Isca_28
• Track 112 : MA5_28
• Track 113 : Grum1_30
• Track 114 : Mundrea_28, Cindaradix_27
• Track 115 : Camperdownii_27, JetBlade_28, KFPoly_28, Phighter1804_28, Nemo27_28, Dhanush_28, Caelakin_28, Alberto7_29, Druantia_28, Holli_28, Citius_28, Lunsford_29, Skipitt_28, Kingmustik0402_28, Medusa_28, Funston_28, Burger_27, Florean_28, Taquarus_28, Kyee_28, ChampagnePapi_29, Buckaroo_27, Scamp_28, Bartimeaus_28, Wilbur_28, Arturo_27, Ulysses_27, Chaph_28, Albee_28, Flux_28, RockieBear_28, Phontbonne_28, Phacado_28, LittleB_28, Maverick_28, Rosa24_27, Sabertooth_28, Eros_28, Shaka_28, Mayonnaise_28, KekoraPapaka_27, Millski_27, Cintron_28, SenorClean_28, Gadost_28, TiroTheta9_28, Broseidon_28, Phelipe_28, Mazhar510_28, Bruiser_27, Wizard007_28, NotAPhaseMom_28, Sultana_28, CentreCat_28, Relief_28, Thanksgivukkah_28, Kratark_28, Melvin_28, Tinybot_27, LappelDuVide_28, Lemur_28, Blackmoor_28, Houdini22_28, Wander_28, Clarenza_28,

DirtyDunning_28, JoongJeon_28, YoSam321_28, HamSlice_27, Jaykayelowell_28, Huxley_28, Cocoaberry_28, Skadoosh_28, Roosevelt_28, Eris_27, OKaNui_29, Ruin_28, Koreni_27, Pipcraft_28, Bombshell_28, Junimo_27, Sparxx_28, Baby16_28, LochMonster_28, Kremtemulon_28, PeterPeter_28, Annyong_28, Iracema64_29, Iceman_29, Romney_28, Koan_28, NorthStar_28, TinaFeyge_28, Avle17_28, Eapen_28
• Track 116 : Connomayer_28, TygerBlood_28, TroyPia_28, Spino_28, SteMason_28, Peaches_28, Deano_28
• Track 117 : LHTSCC_29, LeoAvram_28, MeeZee_28, Morrow_28, Polymorphads_28, Obama12_29, BellusTerra_28, ICleared_28, Eagle_27, Nebs_28, Northrop_28, BubbleTrouble_28, Ohfah_28, Abdiel_27, Lorenzo_28, Palestino_27, Maxo_28, Nyxis_28, Pumbaa_28, Commander_28, Kampy_28, Eurydice_28, Rocksand_28
• Track 118 : PetiteSangsue_28, Badger_28, Bumblebee11_28, Morpher26_28, Backyardigan_28, Achebe_27, Wile_28, Katalie136_28, Shygu2_28, Xena_28, Datway_28, Perplexer_28, Cici_28, AbbysRanger_28
• Track 119 : LittleGuy_28
• Track 120 : Cerulean_29, Happiness_28, BangNhom_28, SheldonCooper_29
• Track 121 : Stasia_29
• Track 122 : Stink_29, AvatarAhPeg_29, Miramae_28
• Track 123 : Noelle_28
• Track 124 : Micasa_25, George_24, Milcery_25, LittleCherry_25, Swirley_25, Twigg_25, Coog_25, Dublin_24, Midas2_25, Tarynearal_24, Prinashe11_25, Cuco_25, MarysWell_24
• Track 125 : AgentM_25, Lev2_25, Phlorence_25, Aragog_25, Discoknowium_25
• Track 126 : Archetta_25, Bluefalcon_24, PickleBack_25, ForGetIt_25, Jovo_25, Conspiracy_25
• Track 127 : Jabiru_25
• Track 128 : Chadwick_26, PetterN_26
• Track 129 : Theia_23
• Track 130 : Florence1_25, Bonamassa_25, HuhtaEnerson15_25, Florence4_26
• Track 131 : Ghoulboy_25, Zolita_24, SydNat_25
• Track 132 : Naca_25, ElTiger69_25, Scorpia_26, Benedict_25, Airmid_25
• Track 133 : UnionJack_25
• Track 134 : Tiger_25
• Track 135 : SuperAwesome_32, Indra_32, Neeharika16_32, Hexamo_32, JewelBug_32, CloudWang3_32, Gladiator_32, Polyphemus_32, Jeffabunny_32, Blue7_32, BennyP_32, McFly_32, GreedyLawyer_32, Jordennis_32, Wiks_32, Helmet_32, BlessJoy_32, Garak_33, Tucker_32, Imbriano_32, Hammer_32, Kazan_32, Isiphiwo_32, VohminGhazi_32, Lilbunny_32, Koko_32, Candra_32, Roksolana_32, EricB_32, Zaka_32, SmellyB_32, BABullseye_32, Yokurt_32, Pmask_32, Gruunaga_32, Dorothea_32, Kipper29_32, Chartreuse_32, Hoot_32, Rifter_32, DaVinci_32, Blinn1_32, Cookiedough_32, Temprado_32, DelvinSonDorr_31, ToneTone_30, Artemis2UCLA_32, Zulu_32, SuperCallie99_32, Priamo_32, Newrala_32, WunderPhul_32
• Track 136 : Toro_31, Sheen_30, FlyCatcher_32
• Track 137 : HINdeR_28
• Track 138 : PP_38
• Track 139 : DroogsArmy_29, Timshel_29
• Track 140 : Danforth_24, Dixon_25, Phillis_25, Stephig9_25, Roary_25, Astro_25
• Track 141 : Expelliarmus_24, Smeadley_25, Caitlin_25, Groundhog_24
• Track 142 : Saintus_25, NearlyHeadless_25

• Track 143 : Phonnegut_31, Aliter_31, Pioneer_31, Lilleskat_31, Fayely_31, Myxus_31, Hanray_31, Holex_31, Ayanochan_31, Sachima_31, HortumSL17_31, Catalina_32, EdogawaKiddo_31, Qobbit_31, Phaeder_31, Onglai_30, RyeScarlet_31, Tubs_31, Jiawan_31, PackMan_31, Beemo_31
• Track 144 : EmyBug_31, Eidsmoe_31, Spouty_31, Priya_31, ExplosioNervosa_31
• Track 145 : Arissanae_29
• Track 146 : Bellris_28, CogOmlette_27, Vanisoa_28, WorldCup_27, Rahalelujah_28, Minispark_27
• Track 147 : Darrell_31
• Track 148 : Toaka_28
• Track 149 : Alma_31
• Track 150 : LoneWolf_30
• Track 151 : BogosyJay_30
• Track 152 : SheaKeira_29
• Track 153 : Celestialunch_28, MegTheThird_29
• Track 154 : Yecey3_30
• Track 155 : Conquerage_31, Ugenie5_28, Scherzo_31
• Track 156 : Elephantoon_30
• Track 157 : Keziacharles14_29
• Track 158 : Maminiaina_30
• Track 159 : Charm_29, Klodlith_29, DreamTeam1_29
• Track 160 : Harlequin_24, Rasputin_24, Bonanza_24, Bryce_24, Yoncess_24, Alpacados_23, BobbyDazzler_24, Yogi_24
• Track 161 : Swann_24, Dinger_24, Lillie_24, CosmicSans_24, Alatin_24, Phrankenstein_24, Gollum_24, Naiad_24, Hiro_24, Nancinator_24, RexFury_24, Erik_24, RER2_17, StCroix_24, Krishelle_24, Bradshaw_24, Partridge_24, Shuman_24, Espica_24, TWAMP_24, Belenaria_24, UhSalsa_24, AppleCloud_22, Rhodalysa_24, Natosaleda_24
• Track 162 : PhailMary_23, Jester_24
• Track 163 : Takoda_24, AngryOrchard_23
• Track 164 : RGL3_17
• Track 165 : Horseradish_20, SweatNTears_21, Yummy_20
• Track 166 : McDazzle_18, Feastonyeet_18, Vine_20, Balloona_18, CherryonLim_20, SummitAcademy_18, Tarnish_19, Mayweather_20, ElJefes_18, CocoaPuff_18, PotPie_19, SheckWes_18, MAnor_19, BigChungus_18, Pons_19
• Track 167 : Bavilard_19, Yucky_19
• Track 168 : Eliott_19, Bubble_19, PsychoKiller_19, Burnsey_19, Agatha_19, Cozz_19, Starburst_20, RedBaron_21, Nina_20, Axym_19, Socotra_20, Quasar_19, Carsonalex_20, RADical_20, Typhonomachy_19, RSchmailzl_20, GoldHunter_19, MunkgeeRoachy_19, Sopespian_19
• Track 169 : ChocoMunchkin_19, CanesSauce_19, AndPeggy_18, CaramelLatte_19
• Track 170 : Survivors_21, MaVan_21, Zareef_21, Azira_21, Nibbles_21, Wallaby_23, Wolfwood_21
• Track 171 : Fribs8_20
• Track 172 : Blondies_20, Biskit_20, SketchMex_18, MScarn_21, Troje_19, Buttrmlkdreams_19
• Track 173 : ChickenTender_21
• Track 174 : Dre3_19, Gibbous_19
• Track 175 : Yakult_20
• Track 176 : Malvina_21
• Track 177 : KayGee_19, Elinal_20, Lauer_18
• Track 178 : AikoCarson_18
• Track 179 : Amok_18

• Track 180 : Tolls_21, Yarn_18, BillDoor_21, SteamedHams_21
• Track 181 : Hexbug_21
• Track 182 : Emalyn_18
• Track 183 : Jamzy_22
• Track 184 : Nodigi_21
• Track 185 : Margaret_22, RanchParmCat_22
• Track 186 : Button_20
• Track 187 : Cleo_19
• Track 188 : Orla_21
• Track 189 : GTE2_17
• Track 190 : GiKK_22
• Track 191 : HippoPololi_21
• Track 192 : Volt_56, Ziko_57, Ronaldo_57
• Track 193 : Keelan_52
• Track 194 : Fryberger_54
• Track 195 : Guey18_59
• Track 196 : Manilisa_24, Vordorf_23, Phishy_23
• Track 197 : Dogfish_22
• Track 198 : Nyceirae_24
• Track 199 : Ewald_23
• Track 200 : BabyMoney_22, Meyran_22
• Track 201 : Octobien14_29
• Track 202 : Sephiroth_29, Syleon_29
• Track 203 : Kudefre_28
• Track 204 : LilJank_29, Neville_29, Trax_29
• Track 205 : Rabbitrun_31
• Track 206 : Poushou_20, Arianna_20, TouchMeNot_20, Colleen_20
• Track 207 : Lederberg_18, Dina_18, Bran_18, Adelaide_18, Troy_18, SamW_18, Stiles_18
• Track 208 : StAB_18
• Track 209 : MicyPS_18
• Track 210 : PSonyx_18, Taotie_18
• Track 211 : Blarby_21
• Track 212 : Zapner_21, Avani_20, Soul22_20, Jabbawokkie_22, Demsculpinboyz_20, Che9d_20, SilverChicken_20, Yoshi_20
• Track 213 : Colossa_21
• Track 214 : LeBron_19, Halena_19, OhShagHennessy_19, Appletree2_19, Wyatt2_19, UPIE_19, AvadaKedavra_19, Silverleaf_19, Acquire49_19, Rose5_19, Enceladus_19, DirkDirk_19, Tyson_19, Calm_19, Zaria_19, MAckerman_19, CicholasNage_19, JoeDirt_19, Poochiewood_19, Wamburgrxpress_19
• Track 215 : Kahlid_19, Faith1_19, Soap141_19, DrSeegs_19, Zakai_19, Hiraya_19, Crossroads_19, Gabriela_19, Itos_19, Breezona_19, Finemlucis_19, Loadrie_19, BigCheese_19, Molivier_19, Sarshaun_19, Hafay_19, Nicholasp3_19, BobsGarage_19, Lynnae_19, Netyap_19, LilDestine_19, Lewan_19, ChengKai98_19, Rumpelstiltskin_19, Gardann_19, Wilder_19, Underpass_19, Miley16_19, Wigglewiggle_19, MkaliMitinis3_19, Vetrix_19, OverPar_19, SoJulia_19, Winky_19
• Track 216 : Bazzle_19, Archie_19
• Track 217 : GuuelaD_19
• Track 218 : DanBing_18, Baoshan_18, ZhongYanYuan_18, Tourach_19, Rossetti_19, Claus_19
• Track 219 : DHan_19
• Track 220 : Red305_20, Bellis_20, Jubie_20, Lumos_20, Snenia_20, Clautastrophe_20, TriFive_20, Nicholas_20, Moostard_20, Samty_20, Jobypre_20,

Kingsolomon_20, Finnry_20, MsGreen_20
• Track 221 : MiniMac_20, MiniLon_20, Lolly9_20
• Track 222 : DuncansLeg_20, Ellson_20
• Track 223 : Whirlwind_21
• Track 224 : Krypton555_20
• Track 225 : KirDoubleO7_18, BourbonZero_19, LiyuLake_20
• Track 226 : FarmResident_19, Douzhi_19, Quby_19, Douge_19, ChutneyChips_19, Sheng711_19, BrainDrainer_20, Chaser_19, PYPDinur_19
• Track 227 : DyoEdafos_20
• Track 228 : Bromden_20, Kropertea_19
• Track 229 : Aegeus_19, Baudelaire_19
• Track 230 : Tailonex_25
• Track 231 : Juicebox_20
• Track 232 : DS6A_22
• Track 233 : LilSpotty_19

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

The start number called the most often in the published annotations is 74, it was called in 627 of the 1079 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A6_26, ACFishhook_30, AFIS_28, AN3_29, AN9_32, ANI8_32, AbbysRanger_28, Abbyshoes_29, Abdiel_27, Abrogate_290, Achebe_27, Acme_30, Adahisdi_29, Aeneas_30, Agaliana_29, AgentM_25, Aglet_30, AgronaGT15_30, Airmid_25, Ajay_29, Albee_28, Alberto7_29, Aldrich_30, Alsfro_32, Altman_30, Alvin_29, Anaysia_31, Anglerfish_29, Annyong_28, Anon_29, Anthony_28, Anubis_32, Applejack_28, Aragog_25, Arcanine_29, Archetta_25, Arianna_20, Arlo_27, Arturo_27, Ashballer_30, Astro_25, Atkinbua_30, AugsMagnumOpus_32, AvatarAhPeg_29, Avle17_28, B1_26, BK1_26, BPBiebs31_29, Baby16_28, BabyJohn_27, BabyRay_28, Backyardigan_28, BaconJack_31, Badger_28, BangNhom_28, Barriga_28, BarrowTuph_27, Bartimeaus_28, Battleship_32, Beatrix_28, Beauxregard13_30, BeesKnees_29, BellusTerra_28, Benedict_25, Bethlehem_28, Bexan_27, Big3_28, BigMau_30, BigPaolini_29, Bigchungi_28, Bigflo_30, Bigfoot_27, BillKnuckles_29, Bircsak_28, Blackflame_28, Blackmoor_28, Blesser_28, BluSpix_29, BlueBird_29, Blue_28, Bluefalcon_24, Bob3_27, Bombshell_28, Bonamassa_25, Bones_28, Boohoo_31, Bradman_28, BreSam8_30, Briton15_30, Broseidon_28, Bruiser_27, BubbleTrouble_28, Buckaroo_27, Bugatti_29, Bumblebee11_28, Burger_27, Burton_29, Buttons_30, BuzzBuzz_29, Bxb1_26, Bxz2_29, C3_27, CactusRose_27, Caelakin_28, Caitlin_25, Calvinny_30, Camperdownii_27, Carlyle_30, CartmannCramer_28, CatBus_30, Cat_26, Caviar_29, CentreCat_28, Cerulean_29, Chadwick_26, ChampagnePapi_29, Chanagan_27, Chaph_28, Chiqui_27, ChristmasHams_29, Chupacabra_28, Ciao_28, Cici_28, Cindaradix_27, Cintron_28, Citius_28, Clammy_29, Clarenza_28, ClownCar_30, Cocoaberry_28, Colbster_30, Colleen_20, Commander_28, ConceptII_30, Connomayer_28, Conspiracy_25, Coog_25, Corvo_29, Crispicous1_27, Croquant_31, Cuco_25, Cueylyss_28, Cullens_30, D29_29, D32_32, DBQu4n_32, DD5_29, DaHudson_30, Daishi_29, Danforth_24, DarthPhader_30, Datway_28, Deano_28, DekHockey33_31, Dexes_29, Dhanush_28, Dieselweasel_30, DirtDevil_30, DirtyDunning_28, Discoknowium_25, Dixon_25, DontArgue_27,

Doom_29, DrFeelGood_27, Drake94_27, DreamCatcher_31, Dreamboat_29, DropBear_28, Druantia_28, Dublin_24, Dulcie_27, Duplo_32, Dussy_29, DustyMartin_32, Dynamix_29, EagleEye_31, Eagle_27, Eaglepride_29, Eapen_28, Edison31_28, Edtherson_29, ElTiger69_25, Elle_29, EnzoK_29, EpicPhail_30, Epsocamisio_31, Eris_27, Eros_28, Espresso_28, EtoileNova_29, Euphoria_28, Eurydice_28, Expelliarmus_24, Eyeball_28, Fajezeel_30, Farber_30, Fascinus_27, FatCactus_27, Fenn_29, Fernando_30, Florean_28, Florence1_25, Florence4_26, Flux_28, ForGetIt_25, Forsytheast_28, Fred313_28, Froghopper_29, Funston_28, Fushigi_29, GMonster_27, Gachnar_28, Gadost_28, GageAP_30, Gandalf20_29, Gemma_30, George_24, Ghoulboy_25, GingkoMaracino_30, Giroux_29, Gompeii16_28, Goose1D_28, Goose1X_28, Goose_28, Graduation_30, GrecoEtereo_30, Greg_30, Grif_30, GroundGoblin_30, Groundhog_24, Groupthink_31, Grub_30, Grum1_30, GtownJaz_30, Gwendoluna_30, Gwennie_30, Gyzlar_30, HamSlice_27, Hami1_30, HanShotFirst_28, Happiness_28, HarryOW_29, HashRod_31, HaveUMetTed_31, Heathen_28, HelDan_28, Heliosoles_30, Herbertwm_26, Hercules11_30, Hermia_31, HermioneGrange_28, Holli_28, Homines_28, Hookmount_29, Houdini22_28, HuhtaEnerson15_25, Huxley_28, ICleared_28, ILeeKay_30, Iceman_29, Ichabod_29, Idleandcovert_28, IgnatiusPatJac_28, Inyanga_27, Iqorha_27, Iracema64_29, JC27_30, JF2_28, JF4_28, JHC117_30, JSwag_31, Jabiru_25, JackSparrow_29, Jasper_29, Jaykayelowell_28, JenCasNa_30, JeppNRM_31, Jerm2_29, JetBlade_28, Jobu08_30, JoongJeon_28, Jorgensen_28, Journey13_27, Jovo_25, Jsquared_28, JuliaChild_30, Junimo_27, KADY_31, KBG_29, KFPoly_28, KSSJEB_28, Kachowdy_28, Kalb97_31, Kalnoky_31, Kampy_28, Kanely_29, Katalie136_28, KatherineG_31, KekoraPapaka_27, Kenmech_31, Kerberos_32, KikiBouba_31, Killigrew_26, Kimona_25, Kingmustik0402_28, KittenMittens_27, Koan_28, Koduck_30, Koreni_27, Kratark_28, Kremtemulon_28, Kristoff_29, Kugel_29, KyMonks1A_30, Kyee_28, Kykar_28, L5_29, LBerry_30, LHTSCC_29, Lambert1_29, Lamina13_28, LappelDuVide_28, LarryKay_30, LastResort_31, Lemur_28, LeoAvram_28, Lesedi_27, Lev2_25, Levia_28, Licorice_30, LilBib_29, Lilith_30, LittleB_28, LittleCherry_25, LittleGuy_28, LochMonster_28, Lockley_28, LogiBear_31, Looper_32, Lopton_29, Lorenzo_28, Louie6_30, Lowa_30, Lucyedi_30, LugYA_32, LunarLander_29, Lunsford_29, MA5_28, MK4_28, MPlant7149_27, MadMarie_30, Magnar_28, Magnito_27, Mainiac_30, MajorMajor_28, Makemake_28, Malinsilva_32, Manatee_29, Manu_31, MarQuardt_30, Marcell_28, Marchesa_28, Marchy_27, Marco3_28, Marge_29, Margo_29, Marie_30, Marius_31, Maroc7_27, Marsha_28, MaryBeth_28, MarysWell_24, Maverick_28, Maxo_28, Mayonnaise_28, Mazhar510_28, McGuire_29, McSinger_29, Medusa_28, MeeZee_28, Melvin_28, MetalQZJ_28, Methuselah_29, Micasa_25, Michley_28, Microwolf_30, MicyPS_18, Midas2_25, Milcery_25, MilleFeuille_27, Millski_27, MinecraftSteve_32, Miramae_28, Misomonster_32, MissWhite_29, Mkhuseli_29, Molly_29, Monet_30, MoneyMay_30, Montavir_29, Moose_28, Morpher26_28, Morrow_28, MrGordo_28, Mryolo_27, MuchMore_32, Mule_28, Mundrea_28, Museum_30, NEHalo_28, Naca_25, Naira_29, Naji_32, NearlyHeadless_25, Nebs_28, Nebulosus_31, Nedarya_30, Nemo27_28, Nerujay_29, Nhonho_28, Niza_30, Noella_29, Noelle_28, Norbert_28, NorthStar_28, Northrop_28, Norz_30, NotAPhaseMom_28, Noxious_31, Nyxis_28, OKCentral2016_28, OKaNui_29, Obama12_29, Ohfah_28, Ohno789_28, OlanP_30, Ollie_30, Oofda_31, Oogway_27, P28Green_30, PGHhamlin_32, PSonyx_18, PSullivan_30, PacerPaul_28, PainterBoy_30, Palestino_27, Panamaxus_28, Papez_30, Paphu_27, Paraselene_27, Pari_29, Parliament_27, PascalRango_29, PattyP_30, Pawn_30, Payneful_28, PeaceMeal1_27, Peaches_28, Pelly_29, Pembroke_30, Penny1_30, Pepe_29, Perplexer_28, Perseus_30, PeterPeter_28, Peterson_31, PetiteSangsue_28, Petp2012_30, Petruchio_29, PetterN_26,

Phacado_28, Pharaoh_29, Phelipe_28, PherrisBueller_29, Phighter1804_28, Phillis_25, PhineBark_27, PhishRPhriends_29, Phlippers_27, Phlorence_25, Phoebe_30, Phontbonne_28, Phoxy_30, Phranny_31, PhrostyMug_28, PickleBack_25, PinkPlastic_27, Pinto_31, Pipcraft_28, Pippin_30, Pistachio_29, Pita2_30, Pocahontas_29, Polymorphads_28, Pomar16_32, Poompha_27, Popcicle_29, PotatoSplit_31, Poushou_20, PowerRanger_29, Prinashe11_25, ProMouse_29, Pumbaa_28, Puppet_28, Puppy_29, PurpleHaze_30, QTRlifeCrisis_28, QuinnKiro_28, Quokka_27, Raid_28, Rajelicia_28, Ravana_31, ReMo_31, Reba_31, Rebeuca_29, Refuge_32, Relief_28, Remus_31, ResDef_29, RhynO_29, Rhynn_28, RidgeCB_28, Ringer_28, Roary_25, RockieBear_28, Rocksand_28, Rockstar_28, Rohr_29, Roimos_28, Romney_28, Roosevelt_28, Rosa24_27, Rosalind_31, Rowdy_32, Ruin_28, Rummer_30, Ruotula_27, Rutherferd_30, STLscum_29, Sabertooth_28, Sabia_30, Sabinator_30, Sagefire_29, Saintus_25, Sandaddy_27, Sanya_28, SarFire_28, SaturnRing_28, Scamp_28, Scorpia_26, Scout_28, Scowl_29, Seabiscuit_30, Seanderson_29, SenorClean_28, Severus_27, Shaka_28, Shapes_32, ShayRa_32, SheldonCooper_29, Shep_28, ShortQueendom_28, Shygu2_28, Sibs6_30, Skadoosh_28, SkiPole_30, Skipitt_28, Slagathor_29, Smairt_29, Smeadley_25, Smeagol_30, Snazzy_27, Snickers_30, SoYo_30, SoilDragon_30, Solon_28, Sorpresa_28, Soshari_32, Soups_31, Sparxx_28, Spike509_30, SpikeBT_30, Spino_28, Squee_29, Stagni_30, StarStuff_32, Stasia_29, SteMason_28, Steamy_30, StepMih_30, Stephig9_25, StewieG_27, Stink_29, StrongArm_27, Strosahl_31, Sultana_28, Sumter_27, Sunshine924_29, SwirlSquare_30, Swirley_25, SwissCheese_30, Switzer_29, Switzerland_31, Swole_30, SydNat_25, TNguyen7_28, Taotie_18, Taquarus_28, Target_31, Tarynearal_24, Tasp14_29, Taurus_30, Teodoridan_26, Texage_28, Thanksgivukkah_28, Theia_23, TheloniousMonk_30, Thor_28, Tiffany_30, Tiger_25, TinaFeyge_28, TinyPebbles_30, Tinybot_27, TipsytheTRex_28, TiroTheta9_28, Todacoro_29, Tomathan_32, Topanga_28, Topgun_28, Tote_30, TouchMeNot_20, Traft412_30, Travvers_32, Treddle_30, Trike_26, Tripl3t_29, Trouble_29, TroyPia_28, Turj99_27, Twigg_25, Twister_28, TwoPeat_29, TygerBlood_28, U2_28, Ulysses_27, UnionJack_25, VA6_29, VC3_32, Veracruz_28, Violet_27, Vix_30, Waits_31, WalterMcMickey_28, Wander_28, Warrior24_31, Watermelon_30, Watson_30, Wheeler_28, Whitspit_29, Wilbur_28, Wile_28, Wilkins_28, Wizard007_28, Wooldri_32, Xena_28, YoSam321_28, Zarafa_28, Zeeculate_28, Zephyr_28, Zetzy_29, Zeuska_29, Zimmer_31, Zolita_24,

Genes that have the "Most Annotated" start but do not call it:
• Isca_28, Phantastic_28, Serenity_28,

Genes that do not have the "Most Annotated" start:
• 20ES_29, 40AC_32, AbbyPaige_31, Acolyte_29, Acquire49_19, Adelaide_18, Adzzy_30, Aegeus_19, Agape74_31, Agatha_19, AikoCarson_18, Alatin_24, Aliter_31, Alma_31, Alpacados_23, Amok_18, AndPeggy_18, Aneem_29, AngryOrchard_23, AnnaL29_32, Anselm_29, AppleCloud_22, Appletree2_19, ArcherNM_31, Archie_19, Arissanae_29, Artemis2UCLA_32, AvadaKedavra_19, Avani_20, Axym_19, Ayanochan_31, Azira_21, BABullseye_32, BabyBack_31, BabyMoney_22, Bachome_29, Bactobuster_30, Baehexic_30, Balloona_18, Baoshan_18, Baudelaire_19, Bavilard_19, Bazzle_19, Beemo_31, Belenaria_24, Bellis_20, Bellris_28, BengiVuitton_30, BennyP_32, Benvolio_29, BiancaTri92_31, BigCheese_19, BigChungus_18, BillDoor_21, Biskit_20, Blarby_21, BlessJoy_32, Blinn1_32, Blondies_20, Blue7_32, BobSwaget_32, BobbyDazzler_24, BobsGarage_19, BogosyJay_30, Bonanza_24, BourbonZero_19, Bowtie_29, Bradshaw_24, BrainDrainer_20, Bran_18, Breezona_19, Bromden_20, Bryce_24,

Bubble_19, Bud_29, Bugsy_31, Burnsey_19, Button_20, Buttrmlkdreams_19, CRB1_29, Calm_19, Candra_32, CanesSauce_19, CaramelLatte_19, Caraxes_28, Carsonalex_20, Catalina_32, Celestialunch_28, Centaur_31, Changeling_31, Chargerpower_30, Charm_29, Chartreuse_32, Chaser_19, Che12_31, Che9d_20, ChengKai98_19, CherryonLim_20, ChickenTender_21, ChipMunk_31, ChocoMunchkin_19, ChutneyChips_19, CicholasNage_19, Claus_19, Clautastrophe_20, Cleo_19, CloudWang3_32, CocoaPuff_18, CogOmlette_27, Colin_32, Colossa_21, Conquerage_31, Cookiedough_32, CosmicSans_24, Cozz_19, Crossroads_19, Crucio_29, DHan_19, DS6A_22, DaVinci_32, Dalmatian_29, DanBing_18, Darrell_31, DeerParkTS_30, Deloris_30, DelvinSonDorr_31, Demsculpinboyz_20, Dignity_31, Dina_18, Dinger_24, DirkDirk_19, Dogfish_22, Dorothea_32, Douge_19, Douzhi_19, DrSeegs_19, Drake55_31, Dre3_19, DreamTeam1_29, DroogsArmy_29, DudeLittle_29, DuncansLeg_20, DyoEdafos_20, EZMoney23_33, Ebony_29, Echild_29, EdogawaKiddo_31, Eidsmoe_31, ElJefes_18, Elephantoon_30, Elinal_20, Eliott_19, Ellson_20, Emalyn_18, EmyBug_31, Enceladus_19, Equemioh13_31, EricB_32, Erik_24, Espica_24, Et2Brutus_28, EvilGenius_31, Ewald_23, ExplosioNervosa_31, Faith1_19, Fameo_29, FarmResident_19, Fayely_31, Feastonyeet_18, Fibonacci_29, Finemlucis_19, Finnry_20, FiringLine_29, First_0029, Flare16_29, Flaverint_29, FlyCatcher_32, ForesterFrank_31, Fribs8_20, Fryberger_54, GTE2_17, Gabriela_19, Gail_29, Garak_33, Gardann_19, GaugeLDP_31, Georgie2_30, GiKK_22, Gibbous_19, Gilberta_29, Gladiator_32, GoldHunter_19, Gollum_24, Gratitude_31, GreedyLawyer_32, Gruunaga_32, Guey18_59, GuuelaD_19, HINdeR_28, Hafay_19, Halena_19, Hammer_32, Hanray_31, Harlequin_24, HarryHoudini_31, Heffalump_31, Helmet_32, Hexamo_32, Hexbug_21, HippoHollow_30, HippoPololi_21, Hiraya_19, Hiro_24, Holex_31, Hoot_32, Horseradish_20, HortumSL17_31, Hutc2_29, Imbriano_32, Indra_32, Insomnia_29, IronMan_31, Isiphiwo_32, Itos_19, Iwokeuplikedis_30, Jaan_32, Jabbawokkie_22, Jabith_29, Jamzy_22, Jeeves_29, Jeffabunny_32, Jerm_31, Jester_24, JewelBug_32, Jiawan_31, Jobypre_20, JoeDirt_19, Jordennis_32, Joselito_29, JoshKayV_31, Jubie_20, Juicebox_20, Kahlid_19, Kalpine_32, KayGee_19, Kazan_32, Keelan_52, Keziacharles14_29, Kimba_29, KingCyrus_31, Kingsolomon_20, Kinmap_29, Kipper29_32, KirDoubleO7_18, Klodlith_29, Koko_32, Krishelle_24, Kropertea_19, Krypton555_20, Kudefre_28, LadyBird_29, Landor_30, Larenn_30, Lauer_18, LeBron_19, Lederberg_18, Leogania_31, Leviathan_31, Lewan_19, LilDestine_19, LilJank_29, LilSpotty_19, LilTurb_31, Lilbunny_32, Lilleskat_31, Lillie_24, LionsBait_30, LiyuLake_20, Loadrie_19, Lokk_32, Lolly9_20, LoneWolf_30, Loser_32, Luchador_31, Lucivia_29, Lumos_20, Lynnae_19, MAckerman_19, MAnor_19, MScarn_21, MaCh_29, MaVan_21, Mabel_29, Malec_30, Malvina_21, Maminiaina_30, Manilisa_24, Margaret_22, Mayweather_20, McDazzle_18, McFly_32, MegTheThird_29, Meyran_22, MiculUcigas_29, Miko_32, Miley16_19, MiniLon_20, MiniMac_20, Minispark_27, MkaliMitinis3_19, Molivier_19, Moostard_20, MsGreen_20, Mulciber_29, Munch_29, MunkgeeRoachy_19, MyraDee_26, Myxus_31, NaSiaTalie_29, Naiad_24, Nancinator_24, Natosaleda_24, Neeharika16_32, Netyap_19, Neville_29, Newrala_32, Nibbles_21, Nicholas_20, Nicholasp3_19, NicoleTera_33, Nina_20, Nodigi_21, NothingSpecial_31, Nyceirae_24, Octobien14_29, Odin_28, OhShagHennessy_19, Onglai_30, Orange_29, Orla_21, OverPar_19, PP_38, PYPDinur_19, PackMan_31, Partridge_24, Petersenfast_29, Ph8s_30, Phaded_32, Phaeder_31, PhailMary_23, Phishy_23, Phlei_24, Phonnegut_31, Phrankenstein_24, Pioneer_31, Piro94_30, Pmask_32, Polyphemus_32, Pons_19, Poochiewood_19, PotPie_19, Power_29, Priamo_32, Priya_31, Prudy_32, PsychoKiller_19, Pukovnik_31, Qobbit_31, Quasar_19, Quby_19, QueenB2_29, QueenBeesly_29, RADical_20, RER2_17,

RGL3_17, RSchmailzl_20, Rabbitrun_31, Rachaly_32, Rahalelujah_28, RanchParmCat_22, Rasputin_24, Red305_20, RedBaron_21, RedRock_32, Retro23_29, RexFury_24, Rhodalysa_24, Rifter_32, Roksolana_32, Ronaldo_57, Rose5_19, Rossetti_19, Rumpelstiltskin_19, RyeScarlet_31, Sachima_31, Salz_29, SamW_18, Samty_20, Sarshaun_19, Saskia_29, Scherzo_31, SemperFi_31, Sephiroth_29, Sham4_29, SheaKeira_29, SheckWes_18, Sheen_30, Sheng711_19, Shuman_24, SilverChicken_20, Silverleaf_19, SketchMex_18, Sknot_29, Smeagan_31, SmellyB_32, SnapTap_29, Snape_29, Snenia_20, SoJulia_19, Soap141_19, Socotra_20, Sopespian_19, SororFago_29, Soul22_20, Spouty_31, StAB_18, StCroix_24, Starburst_20, SteamedHams_21, Stiles_18, SummitAcademy_18, Sunhee_29, SuperAwesome_32, SuperCallie99_32, Superchunk_28, Survivors_21, Swann_24, SweatNTears_21, SweetiePie_29, Syleon_29, TWAMP_24, Tailonex_25, Takoda_24, Tarnish_19, TarsusIV_29, Temprado_32, Terrific_31, Timothy_29, Timshel_29, TinyTimmy_29, Toaka_28, Tolls_21, ToneTone_30, Toro_31, Tourach_19, Trax_29, TriFive_20, Tristan_30, Trixie_32, Troje_19, Trooper_29, Troy_18, Tubs_31, Tucker_32, Turbido_31, Typhonomachy_19, Tyson_19, UPIE_19, Ugenie5_28, UhSalsa_24, Underpass_19, Updawg_31, Vanisoa_28, Vetrix_19, Vine_20, VohminGhazi_32, Volt_56, Vordorf_23, Wallaby_23, Wamburgrxpress_19, WeiHuaDA_34, Whabigail7_31, Whirlwind_21, WideWale_31, Wigglewiggle_19, Wiks_32, Wilder_19, Winky_19, Wolfwood_21, Wolpertinger_28, WorldCup_27, WunderPhul_32, Wyatt2_19, XianYue_29, Yakult_20, Yarn_18, Yecey3_30, Yogi_24, Yokurt_32, Yoncess_24, Yoshi_20, Yucky_19, Yummy_20, Zaka_32, Zakai_19, Zapner_21, Zareef_21, Zaria_19, ZhongYanYuan_18, Ziko_57, Zulu_32,

Summary by start number:

Start 39:
• Found in 11 of 1187 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Insomnia_29 (A11),

Start 42:
• Found in 42 of 1187 (3.5%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Serenity_28 (A2),

Start 49:
• Found in 6 of 1187 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Alma_31 (A9),

Start 53:
• Found in 1 of 1187 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilSpotty_19 (singleton),

Start 56:
• Found in 3 of 1187 (0.3%) of genes in pham

• Manual Annotations of this start: 2 of 1079
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DS6A_22 (singleton), Phantastic_28 (A3),

Start 60:
• Found in 30 of 1187 (2.5%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 3.3% of time when present
• Phage (with cluster) where this start called: Isca_28 (A3),

Start 62:
• Found in 22 of 1187 (1.9%) of genes in pham
• Manual Annotations of this start: 9 of 1079
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Amok_18 (CT), AndPeggy_18 (CT), Biskit_20 (CT), Blondies_20 (CT), Buttrmlkdreams_19 (CT), CanesSauce_19 (CT), CaramelLatte_19 (CT), ChocoMunchkin_19 (CT), MScarn_21 (CT), Rabbitrun_31 (DU2), SketchMex_18 (CT), Troje_19 (CT),

Start 64:
• Found in 1 of 1187 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_52 (DP),

Start 65:
• Found in 1 of 1187 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HINdeR_28 (A7),

Start 66:
• Found in 4 of 1187 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Guey18_59 (DP), Ronaldo_57 (DP), Volt_56 (DP), Ziko_57 (DP),

Start 67:
• Found in 5 of 1187 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 1079
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Fryberger_54 (DP), Octobien14_29 (DU1), Sephiroth_29 (DU1), Syleon_29 (DU1),

Start 68:
• Found in 2 of 1187 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_29 (A7), Timshel_29 (A7),

Start 69:

• Found in 32 of 1187 (2.7%) of genes in pham
• Manual Annotations of this start: 26 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Balloona_18 (CT), Bavilard_19 (CT), BigChungus_18 (CT), Button_20 (CT), CherryonLim_20 (CT), CocoaPuff_18 (CT), ElJefes_18 (CT), Elinal_20 (CT), Feastonyeet_18 (CT), FlyCatcher_32 (A7), GiKK_22 (CT), Hexbug_21 (CT), Jamzy_22 (CT), KayGee_19 (CT), Lauer_18 (CT), MAnor_19 (CT), Margaret_22 (CT), Mayweather_20 (CT), McDazzle_18 (CT), Nodigi_21 (CT), Orla_21 (CT), Pons_19 (CT), PotPie_19 (CT), RanchParmCat_22 (CT), SheckWes_18 (CT), Sheen_30 (A7), SummitAcademy_18 (CT), Tarnish_19 (CT), Toro_31 (A7), Vine_20 (CT), Yakult_20 (CT), Yucky_19 (CT),

Start 71:
• Found in 55 of 1187 (4.6%) of genes in pham
• Manual Annotations of this start: 35 of 1079
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Agatha_19 (CT), AikoCarson_18 (CT), Axym_19 (CT), Azira_21 (CT), BillDoor_21 (CT), Bubble_19 (CT), Burnsey_19 (CT), Carsonalex_20 (CT), ChickenTender_21 (CT), Cleo_19 (CT), Colossa_21 (KA), Cozz_19 (CT), Dre3_19 (CT), Eliott_19 (CT), Emalyn_18 (CT), Fribs8_20 (CT), GTE2_17 (CT), Gibbous_19 (CT), GoldHunter_19 (CT), HippoPololi_21 (CT), Horseradish_20 (CT), MaVan_21 (CT), Malvina_21 (CT), MunkgeeRoachy_19 (CT), Nibbles_21 (CT), Nina_20 (CT), PsychoKiller_19 (CT), Quasar_19 (CT), RADical_20 (CT), RSchmailzl_20 (CT), RedBaron_21 (CT), Socotra_20 (CT), Sopespian_19 (CT), Starburst_20 (CT), SteamedHams_21 (CT), Survivors_21 (CT), SweatNTears_21 (CT), Tolls_21 (CT), Typhonomachy_19 (CT), Wallaby_23 (CT), Wolfwood_21 (CT), Yarn_18 (CT), Yummy_20 (CT), Zareef_21 (CT),

Start 72:
• Found in 129 of 1187 (10.9%) of genes in pham
• Manual Annotations of this start: 121 of 1079
• Called 99.2% of time when present
• Phage (with cluster) where this start called: Aliter_31 (A9), AnnaL29_32 (A2), ArcherNM_31 (A2), Arissanae_29 (A9), Artemis2UCLA_32 (A6), Ayanochan_31 (A9), BABullseye_32 (A6), Bactobuster_30 (A2), Beemo_31 (A9), Bellris_28 (A9), BennyP_32 (A6), BiancaTri92_31 (A2), BlessJoy_32 (A6), Blinn1_32 (A6), Blue7_32 (A6), BogosyJay_30 (A9), Candra_32 (A6), Catalina_32 (A9), Celestialunch_28 (A9), Changeling_31 (A2), Chargerpower_30 (A22), Charm_29 (A9), Chartreuse_32 (A6), CloudWang3_32 (A6), CogOmlette_27 (A9), Colin_32 (A2), Conquerage_31 (A9), Cookiedough_32 (A6), DaVinci_32 (A6), Darrell_31 (A9), DelvinSonDorr_31 (A6), Dorothea_32 (A6), DreamTeam1_29 (A9), EdogawaKiddo_31 (A9), Eidsmoe_31 (A9), Elephantoon_30 (A9), EmyBug_31 (A9), EricB_32 (A6), ExplosioNervosa_31 (A9), Fayely_31 (A9), Gail_29 (A14), Garak_33 (A6), Gladiator_32 (A6), GreedyLawyer_32 (A6), Gruunaga_32 (A6), Hammer_32 (A6), Hanray_31 (A9), Helmet_32 (A6), Hexamo_32 (A6), Holex_31 (A9), Hoot_32 (A6), HortumSL17_31 (A9), Imbriano_32 (A6), Indra_32 (A6), IronMan_31 (A2), Isiphiwo_32 (A6), Jaan_32 (A2), Jeeves_29 (A14), Jeffabunny_32 (A6), JewelBug_32 (A6), Jiawan_31 (A9), Jordennis_32 (A6), Kalpine_32 (A2), Kazan_32 (A6), Keziacharles14_29 (A9), Kinmap_29 (A21), Kipper29_32 (A6), Klodlith_29 (A9), Koko_32 (A6), Landor_30 (A2), Leogania_31 (A2), Lilbunny_32 (A6), Lilleskat_31 (A9), LoneWolf_30 (A9), Loser_32 (A2), Luchador_31 (A14), Maminiaina_30 (A9), McFly_32 (A6), MegTheThird_29 (A9), Minispark_27 (A9), MyraDee_26 (A18), Myxus_31 (A9), Neeharika16_32 (A6), Newrala_32 (A6), Onglai_30 (A9), PP_38 (A7), PackMan_31

(A9), Phaded_32 (A2), Phaeder_31 (A9), Phonnegut_31 (A9), Pioneer_31 (A9), Pmask_32 (A6), Polyphemus_32 (A6), Priamo_32 (A6), Priya_31 (A9), Pukovnik_31 (A2), Qobbit_31 (A9), Rahalelujah_28 (A9), RedRock_32 (A2), Rifter_32 (A6), Roksolana_32 (A6), RyeScarlet_31 (A9), Sachima_31 (A9), Scherzo_31 (A9), SheaKeira_29 (A9), SmellyB_32 (A6), SororFago_29 (A14), Spouty_31 (A9), Sunhee_29 (A14), SuperAwesome_32 (A6), SuperCallie99_32 (A6), Temprado_32 (A6), Toaka_28 (A9), ToneTone_30 (A6), Trixie_32 (A2), Tubs_31 (A9), Tucker_32 (A6), Ugenie5_28 (A9), Vanisoa_28 (A9), VohminGhazi_32 (A6), WeiHuaDA_34 (A2), Wiks_32 (A6), WorldCup_27 (A9), WunderPhul_32 (A6), Yecey3_30 (A9), Yokurt_32 (A6), Zaka_32 (A6), Zulu_32 (A6),

Start 73:
• Found in 7 of 1187 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 1079
• Called 57.1% of time when present
• Phage (with cluster) where this start called: DeerParkTS_30 (A2), ForesterFrank_31 (A2), Kudefre_28 (DU1), Prudy_32 (A2),

Start 74:
• Found in 676 of 1187 (57.0%) of genes in pham
• Manual Annotations of this start: 627 of 1079
• Called 99.6% of time when present
• Phage (with cluster) where this start called: A6_26 (A1), ACFishhook_30 (A3), AFIS_28 (A1), AN3_29 (A2), AN9_32 (A2), ANI8_32 (A2), AbbysRanger_28 (A4), Abbyshoes_29 (A1), Abdiel_27 (A4), Abrogate_290 (A1), Achebe_27 (A4), Acme_30 (A1), Adahisdi_29 (A1), Aeneas_30 (A1), Agaliana_29 (A1), AgentM_25 (A5), Aglet_30 (A3), AgronaGT15_30 (A3), Airmid_25 (A5), Ajay_29 (A1), Albee_28 (A4), Alberto7_29 (A4), Aldrich_30 (A1), Alsfro_32 (A1), Altman_30 (A1), Alvin_29 (A1), Anaysia_31 (A15), Anglerfish_29 (A1), Annyong_28 (A4), Anon_29 (A15), Anthony_28 (A20), Anubis_32 (A3), Applejack_28 (A1), Aragog_25 (A5), Arcanine_29 (A1), Archetta_25 (A5), Arianna_20 (EO), Arlo_27 (A1), Arturo_27 (A4), Ashballer_30 (A1), Astro_25 (A8), Atkinbua_30 (A1), AugsMagnumOpus_32 (A3), AvatarAhPeg_29 (A4), Avle17_28 (A4), B1_26 (A3), BK1_26 (A1), BPBiebs31_29 (A1), Baby16_28 (A4), BabyJohn_27 (A3), BabyRay_28 (A3), Backyardigan_28 (A4), BaconJack_31 (A1), Badger_28 (A4), BangNhom_28 (A4), Barriga_28 (A1), BarrowTuph_27 (A1), Bartimeaus_28 (A4), Battleship_32 (A15), Beatrix_28 (A1), Beauxregard13_30 (A3), BeesKnees_29 (A1), BellusTerra_28 (A4), Benedict_25 (A5), Bethlehem_28 (A1), Bexan_27 (A1), Big3_28 (A1), BigMau_30 (A1), BigPaolini_29 (A1), Bigchungi_28 (A1), Bigflo_30 (A3), Bigfoot_27 (A1), BillKnuckles_29 (A1), Bircsak_28 (A1), Blackflame_28 (A1), Blackmoor_28 (A4), Blesser_28 (A1), BluSpix_29 (A1), BlueBird_29 (A3), Blue_28 (A1), Bluefalcon_24 (A5), Bob3_27 (A1), Bombshell_28 (A4), Bonamassa_25 (A5), Bones_28 (A1), Boohoo_31 (A15), Bradman_28 (A2), BreSam8_30 (A3), Briton15_30 (A1), Broseidon_28 (A4), Bruiser_27 (A4), BubbleTrouble_28 (A4), Buckaroo_27 (A4), Bugatti_29 (A3), Bumblebee11_28 (A4), Burger_27 (A4), Burton_29 (A1), Buttons_30 (A1), BuzzBuzz_29 (A3), Bxb1_26 (A1), Bxz2_29 (A3), C3_27 (A2), CactusRose_27 (A1), Caelakin_28 (A4), Caitlin_25 (A8), Calvinny_30 (A3), Camperdownii_27 (A4), Carlyle_30 (A1), CartmannCramer_28 (A1), CatBus_30 (A1), Cat_26 (A3), Caviar_29 (A3), CentreCat_28 (A4), Cerulean_29 (A4), Chadwick_26 (A5), ChampagnePapi_29 (A4), Chanagan_27 (A1), Chaph_28 (A4), Chiqui_27 (A3), ChristmasHams_29 (A1), Chupacabra_28 (A10), Ciao_28 (A1), Cici_28 (A4), Cindaradix_27 (A4), Cintron_28 (A4), Citius_28 (A4), Clammy_29 (A3), Clarenza_28 (A4), ClownCar_30 (A3), Cocoaberry_28 (A4), Colbster_30 (A3), Colleen_20 (EO), Commander_28 (A4), ConceptII_30 (A1), Connomayer_28 (A4),

Conspiracy_25 (A5), Coog_25 (A5), Corvo_29 (A1), Crispicous1_27 (A1), Croquant_31 (A3), Cuco_25 (A5), Cueylyss_28 (A1), Cullens_30 (A3), D29_29 (A2), D32_32 (A2), DBQu4n_32 (A2), DD5_29 (A1), DaHudson_30 (A3), Daishi_29 (A3), Danforth_24 (A8), DarthPhader_30 (A12), Datway_28 (A4), Deano_28 (A4), DekHockey33_31 (A15), Dexes_29 (A1), Dhanush_28 (A4), Dieselweasel_30 (A3), DirtDevil_30 (A1), DirtyDunning_28 (A4), Discoknowium_25 (A5), Dixon_25 (A8), DontArgue_27 (A10), Doom_29 (A1), DrFeelGood_27 (A1), Drake94_27 (A10), DreamCatcher_31 (A1), Dreamboat_29 (A1), DropBear_28 (A3), Druantia_28 (A4), Dublin_24 (A5), Dulcie_27 (A1), Duplo_32 (A2), Dussy_29 (A1), DustyMartin_32 (A10), Dynamix_29 (A1), EagleEye_31 (A16), Eagle_27 (A4), Eaglepride_29 (A10), Eapen_28 (A4), Edison31_28 (A10), Edtherson_29 (A1), ElTiger69_25 (A5), Elle_29 (A15), EnzoK_29 (A1), EpicPhail_30 (A3), Epsocamisio_31 (A15), Eris_27 (A4), Eros_28 (A4), Espresso_28 (A1), EtoileNova_29 (A3), Euphoria_28 (A1), Eurydice_28 (A4), Expelliarmus_24 (A8), Eyeball_28 (A1), Fajezeel_30 (A1), Farber_30 (A3), Fascinus_27 (A1), FatCactus_27 (A20), Fenn_29 (A1), Fernando_30 (A3), Florean_28 (A4), Florence1_25 (A5), Florence4_26 (A5), Flux_28 (A4), ForGetIt_25 (A5), Forsytheast_28 (A1), Fred313_28 (A3), Froghopper_29 (A1), Funston_28 (A4), Fushigi_29 (A1), GMonster_27 (A1), Gachnar_28 (A1), Gadost_28 (A4), GageAP_30 (A1), Gandalf20_29 (A1), Gemma_30 (A3), George_24 (A5), Ghoulboy_25 (A5), GingkoMaracino_30 (A3), Giroux_29 (A3), Gompeii16_28 (A1), Goose1D_28 (A3), Goose1X_28 (A3), Goose_28 (A10), Graduation_30 (A1), GrecoEtereo_30 (A1), Greg_30 (A1), Grif_30 (A3), GroundGoblin_30 (A1), Groundhog_24 (A8), Groupthink_31 (A3), Grub_30 (A3), Grum1_30 (A3), GtownJaz_30 (A3), Gwendoluna_30 (A1), Gwennie_30 (A3), Gyzlar_30 (A1), HamSlice_27 (A4), Hami1_30 (A1), HanShotFirst_28 (A1), Happiness_28 (A4), HarryOW_29 (A1), HashRod_31 (A3), HaveUMetTed_31 (A3), Heathen_28 (A3), HelDan_28 (A3), Heliosoles_30 (A3), Herbertwm_26 (A2), Hercules11_30 (A3), Hermia_31 (A1), HermioneGrange_28 (A1), Holli_28 (A4), Homines_28 (A1), Hookmount_29 (A3), Houdini22_28 (A4), HuhtaEnerson15_25 (A5), Huxley_28 (A4), ICleared_28 (A4), ILeeKay_30 (A1), Iceman_29 (A4), Ichabod_29 (A1), Idleandcovert_28 (A3), IgnatiusPatJac_28 (A1), Inyanga_27 (A1), Iqorha_27 (A1), Iracema64_29 (A4), JC27_30 (A1), JF2_28 (A3), JF4_28 (A3), JHC117_30 (A3), JSwag_31 (A15), Jabiru_25 (A5), JackSparrow_29 (A1), Jasper_29 (A1), Jaykayelowell_28 (A4), JenCasNa_30 (A3), JeppNRM_31 (A3), Jerm2_29 (A1), JetBlade_28 (A4), Jobu08_30 (A3), JoongJeon_28 (A4), Jorgensen_28 (A1), Journey13_27 (A2), Jovo_25 (A5), Jsquared_28 (A2), JuliaChild_30 (A1), Junimo_27 (A4), KADY_31 (A3), KBG_29 (A1), KFPoly_28 (A4), KSSJEB_28 (A1), Kachowdy_28 (A3), Kalb97_31 (A3), Kalnoky_31 (A3), Kampy_28 (A4), Kanely_29 (A1), Katalie136_28 (A4), KatherineG_31 (A15), KekoraPapaka_27 (A4), Kenmech_31 (A1), Kerberos_32 (A2), KikiBouba_31 (A1), Killigrew_26 (A1), Kimona_25 (A19), Kingmustik0402_28 (A4), KittenMittens_27 (A10), Koan_28 (A4), Koduck_30 (A2), Koreni_27 (A4), Kratark_28 (A4), Kremtemulon_28 (A4), Kristoff_29 (A10), Kugel_29 (A1), KyMonks1A_30 (A1), Kyee_28 (A4), Kykar_28 (A1), L5_29 (A2), LBerry_30 (A3), LHTSCC_29 (A4), Lambert1_29 (A3), Lamina13_28 (A1), LappelDuVide_28 (A4), LarryKay_30 (A3), LastResort_31 (A15), Lemur_28 (A4), LeoAvram_28 (A4), Lesedi_27 (A1), Lev2_25 (A5), Levia_28 (A1), Licorice_30 (A1), LilBib_29 (A1), Lilith_30 (A3), LittleB_28 (A4), LittleCherry_25 (A5), LittleGuy_28 (A4), LochMonster_28 (A4), Lockley_28 (A1), LogiBear_31 (A15), Looper_32 (A15), Lopton_29 (A1), Lorenzo_28 (A4), Louie6_30 (A3), Lowa_30 (A3), Lucyedi_30 (A16), LugYA_32 (A3), LunarLander_29 (A1), Lunsford_29 (A4), MA5_28 (A3), MK4_28 (A3), MPlant7149_27 (A1), MadMarie_30 (A3), Magnar_28 (A1), Magnito_27 (A1), Mainiac_30 (A3), MajorMajor_28 (A2), Makemake_28 (A1), Malinsilva_32 (A3), Manatee_29 (A1), Manu_31 (A3), MarQuardt_30 (A3), Marcell_28 (A1), Marchesa_28

(A3), Marchy_27 (A1), Marco3_28 (A1), Marge_29 (A1), Margo_29 (A3), Marie_30 (A3), Marius_31 (A3), Maroc7_27 (A1), Marsha_28 (A1), MaryBeth_28 (A1), MarysWell_24 (A5), Maverick_28 (A4), Maxo_28 (A4), Mayonnaise_28 (A4), Mazhar510_28 (A4), McGuire_29 (A1), McSinger_29 (A1), Medusa_28 (A4), MeeZee_28 (A4), Melvin_28 (A4), MetalQZJ_28 (A1), Methuselah_29 (A3), Micasa_25 (A5), Michley_28 (A1), Microwolf_30 (A3), MicyPS_18 (EQ), Midas2_25 (A5), Milcery_25 (A5), MilleFeuille_27 (A1), Millski_27 (A4), MinecraftSteve_32 (A15), Miramae_28 (A4), Misomonster_32 (A3), MissWhite_29 (A2), Mkhuseli_29 (A1), Molly_29 (A1), Monet_30 (A1), MoneyMay_30 (A3), Montavir_29 (A3), Moose_28 (A1), Morpher26_28 (A4), Morrow_28 (A4), MrGordo_28 (A1), Mryolo_27 (A1), MuchMore_32 (A3), Mule_28 (A1), Mundrea_28 (A4), Museum_30 (A1), NEHalo_28 (A1), Naca_25 (A5), Naira_29 (A1), Naji_32 (A2), NearlyHeadless_25 (A8), Nebs_28 (A4), Nebulosus_31 (A15), Nedarya_30 (A15), Nemo27_28 (A4), Nerujay_29 (A1), Nhonho_28 (A1), Niza_30 (A1), Noella_29 (A3), Noelle_28 (A4), Norbert_28 (A3), NorthStar_28 (A4), Northrop_28 (A4), Norz_30 (A1), NotAPhaseMom_28 (A4), Noxious_31 (A1), Nyxis_28 (A4), OKCentral2016_28 (A10), OKaNui_29 (A4), Obama12_29 (A4), Ohfah_28 (A4), Ohno789_28 (A1), OlanP_30 (A3), Ollie_30 (A3), Oofda_31 (A15), Oogway_27 (A1), P28Green_30 (A3), PGHhamlin_32 (A3), PSonyx_18 (EQ), PSullivan_30 (A1), PacerPaul_28 (A1), PainterBoy_30 (A16), Palestino_27 (A4), Panamaxus_28 (A3), Papez_30 (A1), Paphu_27 (A1), Paraselene_27 (A1), Pari_29 (A1), Parliament_27 (A1), PascalRango_29 (A1), PattyP_30 (A1), Pawn_30 (A3), Payneful_28 (A1), PeaceMeal1_27 (A10), Peaches_28 (A4), Pelly_29 (A1), Pembroke_30 (A3), Penny1_30 (A3), Pepe_29 (A1), Perplexer_28 (A4), Perseus_30 (A1), PeterPeter_28 (A4), Peterson_31 (A1), PetiteSangsue_28 (A4), Petp2012_30 (A1), Petruchio_29 (A1), PetterN_26 (A5), Phacado_28 (A4), Pharaoh_29 (A12), Phelipe_28 (A4), PherrisBueller_29 (A1), Phighter1804_28 (A4), Phillis_25 (A8), PhineBark_27 (A1), PhishRPhriends_29 (A3), Phlippers_27 (A1), Phlorence_25 (A5), Phoebe_30 (A3), Phontbonne_28 (A4), Phoxy_30 (A3), Phranny_31 (A3), PhrostyMug_28 (A1), PickleBack_25 (A5), PinkPlastic_27 (A1), Pinto_31 (A1), Pipcraft_28 (A4), Pippin_30 (A1), Pistachio_29 (A3), Pita2_30 (A1), Pocahontas_29 (A3), Polymorphads_28 (A4), Pomar16_32 (A2), Poompha_27 (A10), Popcicle_29 (A3), PotatoSplit_31 (A3), Poushou_20 (EQ), PowerRanger_29 (A1), Prinashe11_25 (A5), ProMouse_29 (A1), Pumbaa_28 (A4), Puppet_28 (A1), Puppy_29 (A3), PurpleHaze_30 (A3), QTRlifeCrisis_28 (A1), QuinnKiro_28 (A3), Quokka_27 (A2), Raid_28 (A1), Rajelicia_28 (A1), Ravana_31 (A15), ReMo_31 (A15), Reba_31 (A3), Rebeuca_29 (A10), Refuge_32 (A12), Relief_28 (A4), Remus_31 (A15), ResDef_29 (A3), RhynO_29 (A10), Rhynn_28 (A1), RidgeCB_28 (A1), Ringer_28 (A1), Roary_25 (A8), RockieBear_28 (A4), Rocksand_28 (A4), Rockstar_28 (A3), Rohr_29 (A1), Roimos_28 (A3), Romney_28 (A4), Roosevelt_28 (A4), Rosa24_27 (A4), Rosalind_31 (A15), Rowdy_32 (A10), Ruin_28 (A4), Rummer_30 (A3), Ruotula_27 (A1), Rutherferd_30 (A1), STLscum_29 (A1), Sabertooth_28 (A4), Sabia_30 (A3), Sabinator_30 (A3), Sagefire_29 (A1), Saintus_25 (A8), Sandaddy_27 (A1), Sanya_28 (A1), SarFire_28 (A1), SaturnRing_28 (A3), Scamp_28 (A4), Scorpia_26 (A5), Scout_28 (A3), Scowl_29 (A1), Seabiscuit_30 (A1), Seanderson_29 (A1), SenorClean_28 (A4), Severus_27 (A10), Shaka_28 (A4), Shapes_32 (A10), ShayRa_32 (A15), SheldonCooper_29 (A4), Shep_28 (A3), ShortQueendom_28 (A1), Shygu2_28 (A4), Sibs6_30 (A1), Skadoosh_28 (A4), SkiPole_30 (A1), Skipitt_28 (A4), Slagathor_29 (A1), Smairt_29 (A1), Smeadley_25 (A8), Smeagol_30 (A1), Snazzy_27 (A1), Snickers_30 (A3), SoYo_30 (A3), SoilDragon_30 (A3), Solon_28 (A1), Sorpresa_28 (A1), Soshari_32 (A3), Soups_31 (A15), Sparxx_28 (A4), Spike509_30 (A3), SpikeBT_30 (A1), Spino_28 (A4), Squee_29 (A1), Stagni_30 (A3), StarStuff_32 (A2), Stasia_29 (A4), SteMason_28 (A4), Steamy_30 (A12), StepMih_30 (A3), Stephig9_25 (A8),

StewieG_27 (A1), Stink_29 (A4), StrongArm_27 (A1), Strosahl_31 (A15), Sultana_28 (A4), Sumter_27 (A1), Sunshine924_29 (A1), SwirlSquare_30 (A2), Swirley_25 (A5), SwissCheese_30 (A1), Switzer_29 (A1), Switzerland_31 (A15), Swole_30 (A1), SydNat_25 (A5), TNguyen7_28 (A3), Taotie_18 (EQ), Taquarus_28 (A4), Target_31 (A1), Tarynearal_24 (A5), Tasp14_29 (A1), Taurus_30 (A3), Teodoridan_26 (A1), Texage_28 (A3), Thanksgivukkah_28 (A4), Theia_23 (A5), TheloniousMonk_30 (A1), Thor_28 (A1), Tiffany_30 (A3), Tiger_25 (A5), TinaFeyge_28 (A4), TinyPebbles_30 (A3), Tinybot_27 (A4), TipsytheTRex_28 (A2), TiroTheta9_28 (A4), Todacoro_29 (A3), Tomathan_32 (A2), Topanga_28 (A10), Topgun_28 (A1), Tote_30 (A1), TouchMeNot_20 (EO), Traft412_30 (A1), Travvers_32 (A2), Treddle_30 (A1), Trike_26 (A10), Tripl3t_29 (A1), Trouble_29 (A1), TroyPia_28 (A4), Turj99_27 (A1), Twigg_25 (A5), Twister_28 (A10), TwoPeat_29 (A1), TygerBlood_28 (A4), U2_28 (A1), Ulysses_27 (A4), UnionJack_25 (A5), VA6_29 (A2), VC3_32 (A2), Veracruz_28 (A3), Violet_27 (A1), Vix_30 (A3), Waits_31 (A15), WalterMcMickey_28 (A10), Wander_28 (A4), Warrior24_31 (A15), Watermelon_30 (A1), Watson_30 (A3), Wheeler_28 (A1), Whitspit_29 (A1), Wilbur_28 (A4), Wile_28 (A4), Wilkins_28 (A1), Wizard007_28 (A4), Wooldri_32 (A3), Xena_28 (A4), YoSam321_28 (A4), Zarafa_28 (A3), Zeeculate_28 (A1), Zephyr_28 (A1), Zetzy_29 (A3), Zeuska_29 (A1), Zimmer_31 (A12), Zolita_24 (A5),

Start 75:
• Found in 13 of 1187 (1.1%) of genes in pham
• Manual Annotations of this start: 10 of 1079
• Called 76.9% of time when present
• Phage (with cluster) where this start called: BabyBack_31 (A2), BobSwaget_32 (A2), EZMoney23_33 (A2), GaugeLDP_31 (A2), Lokk_32 (A2), Miko_32 (A2), NothingSpecial_31 (A2), Rachaly_32 (A2), Tristan_30 (A2), Trooper_29 (A2),

Start 76:
• Found in 10 of 1187 (0.8%) of genes in pham
• Manual Annotations of this start: 8 of 1079
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Adzzy_30 (A2), Che12_31 (A2), LilJank_29 (DU2), Neville_29 (DU2), Odin_28 (A2), Ph8s_30 (A2), Superchunk_28 (A2), Trax_29 (DU2),

Start 77:
• Found in 3 of 1187 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acolyte_29 (A2), Juicebox_20 (singleton), Phlei_24 (A13),

Start 78:
• Found in 38 of 1187 (3.2%) of genes in pham
• Manual Annotations of this start: 34 of 1079
• Called 94.7% of time when present
• Phage (with cluster) where this start called: Aneem_29 (A11), Avani_20 (F2), Bachome_29 (A11), Blarby_21 (F), Bowtie_29 (A11), Bud_29 (A11), Che9d_20 (F2), Demsculpinboyz_20 (F2), Ebony_29 (A11), Et2Brutus_28 (A11), Fibonacci_29 (A11), Flaverint_29 (A11), Gilberta_29 (A11), Hutc2_29 (A11), Jabbawokkie_22 (F2), Jabith_29 (A11), Joselito_29 (A11), Kimba_29 (A11), Lucivia_29 (A11), MaCh_29 (A11), Mabel_29 (A11), Mulciber_29 (A11), Munch_29 (A11), Orange_29 (A11),

Petersenfast_29 (A11), Salz_29 (A11), Saskia_29 (A11), Sham4_29 (A11), SilverChicken_20 (F2), Snape_29 (A11), Soul22_20 (F2), Timothy_29 (A11), TinyTimmy_29 (A11), Wolpertinger_28 (A11), Yoshi_20 (F2), Zapner_21 (F2),

Start 79:
• Found in 60 of 1187 (5.1%) of genes in pham
• Manual Annotations of this start: 56 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 20ES_29 (A2), 40AC_32 (A17), AbbyPaige_31 (A2), Agape74_31 (A2), Anselm_29 (A2), Baehexic_30 (A2), BengiVuitton_30 (A2), Benvolio_29 (A2), Bugsy_31 (A2), CRB1_29 (A2), Centaur_31 (A2), ChipMunk_31 (A2), Crucio_29 (A2), Dalmatian_29 (A2), Deloris_30 (A2), Dignity_31 (A2), Drake55_31 (A2), DudeLittle_29 (A2), Echild_29 (A2), Equemioh13_31 (A2), EvilGenius_31 (A2), Fameo_29 (A2), FiringLine_29 (A2), First_0029 (A2), Flare16_29 (A2), Georgie2_30 (A2), Gratitude_31 (A2), HarryHoudini_31 (A2), Heffalump_31 (A2), HippoHollow_30 (A2), Iwokeuplikedis_30 (A2), Jerm_31 (A2), JoshKayV_31 (A2), KingCyrus_31 (A2), LadyBird_29 (A2), Larenn_30 (A2), Leviathan_31 (A2), LilTurb_31 (A2), LionsBait_30 (A2), Malec_30 (A2), MiculUcigas_29 (A2), NaSiaTalie_29 (A2), NicoleTera_33 (A2), Piro94_30 (A2), Power_29 (A2), QueenB2_29 (A2), QueenBeesly_29 (A2), Retro23_29 (A2), SemperFi_31 (A2), Sknot_29 (A2), Smeagan_31 (A2), SnapTap_29 (A2), SweetiePie_29 (A2), TarsusIV_29 (A2), Terrific_31 (A2), Turbido_31 (A2), Updawg_31 (A2), Whabigail7_31 (A2), WideWale_31 (A2), XianYue_29 (A2),

Start 80:
• Found in 96 of 1187 (8.1%) of genes in pham
• Manual Annotations of this start: 82 of 1079
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_19 (L1), Aegeus_19 (L5), Alatin_24 (CA), Alpacados_23 (CA), AngryOrchard_23 (CA), AppleCloud_22 (CA), Appletree2_19 (L1), AvadaKedavra_19 (L1), Baudelaire_19 (L5), Belenaria_24 (CA), Bellis_20 (L3), BobbyDazzler_24 (CA), Bonanza_24 (CA), BourbonZero_19 (L3), Bradshaw_24 (CA), BrainDrainer_20 (L4), Bromden_20 (L4), Bryce_24 (CA), Calm_19 (L1), Chaser_19 (L4), ChutneyChips_19 (L4), CicholasNage_19 (L1), Clautastrophe_20 (L3), CosmicSans_24 (CA), Dinger_24 (CA), DirkDirk_19 (L1), Douge_19 (L4), Douzhi_19 (L4), DuncansLeg_20 (L3), DyoEdafos_20 (L4), Ellson_20 (L3), Enceladus_19 (L1), Erik_24 (CA), Espica_24 (CA), FarmResident_19 (L4), Finnry_20 (L3), Gollum_24 (CA), Halena_19 (L1), Harlequin_24 (CA), Hiro_24 (CA), Jester_24 (CA), Jobypre_20 (L3), JoeDirt_19 (L1), Jubie_20 (L3), Kingsolomon_20 (L3), KirDoubleO7_18 (L3), Krishelle_24 (CA), Kropertea_19 (L4), Krypton555_20 (L3), LeBron_19 (L1), Lillie_24 (CA), LiyuLake_20 (L3), Lolly9_20 (L3), Lumos_20 (L3), MAckerman_19 (L1), MiniLon_20 (L3), MiniMac_20 (L3), Moostard_20 (L3), MsGreen_20 (L3), Naiad_24 (CA), Nancinator_24 (CA), Natosaleda_24 (CA), Nicholas_20 (L3), OhShagHennessy_19 (L1), PYPDinur_19 (L4), Partridge_24 (CA), PhailMary_23 (CA), Phrankenstein_24 (CA), Poochiewood_19 (L1), Quby_19 (L4), RER2_17 (CA), RGL3_17 (CA), Rasputin_24 (CA), Red305_20 (L3), RexFury_24 (CA), Rhodalysa_24 (CA), Rose5_19 (L1), Samty_20 (L3), Sheng711_19 (L4), Shuman_24 (CA), Silverleaf_19 (L1), Snenia_20 (L3), StCroix_24 (CA), Swann_24 (CA), TWAMP_24 (CA), Takoda_24 (CA), TriFive_20 (L3), Tyson_19 (L1), UPIE_19 (L1), UhSalsa_24 (CA), Wamburgrxpress_19 (L1), Whirlwind_21 (L3), Wyatt2_19 (L1), Yogi_24 (CA), Yoncess_24 (CA), Zaria_19 (L1),

Start 81:

• Found in 52 of 1187 (4.4%) of genes in pham
• Manual Annotations of this start: 32 of 1079
• Called 86.5% of time when present
• Phage (with cluster) where this start called: Archie_19 (L2), Baoshan_18 (L2), Bazzle_19 (L2), BigCheese_19 (L2), BobsGarage_19 (L2), Breezona_19 (L2), ChengKai98_19 (L2), Claus_19 (L2), Crossroads_19 (L2), DHan_19 (L2), DanBing_18 (L2), DrSeegs_19 (L2), Faith1_19 (L2), Finemlucis_19 (L2), Gabriela_19 (L2), Gardann_19 (L2), GuuelaD_19 (L2), Hafay_19 (L2), Hiraya_19 (L2), Itos_19 (L2), Kahlid_19 (L2), Lewan_19 (L2), LilDestine_19 (L2), Loadrie_19 (L2), Lynnae_19 (L2), Miley16_19 (L2), MkaliMitinis3_19 (L2), Molivier_19 (L2), Netyap_19 (L2), Nicholasp3_19 (L2), OverPar_19 (L2), Rossetti_19 (L2), Rumpelstiltskin_19 (L2), Sarshaun_19 (L2), SoJulia_19 (L2), Soap141_19 (L2), Tailonex_25 (singleton), Tourach_19 (L2), Underpass_19 (L2), Vetrix_19 (L2), Wigglewiggle_19 (L2), Wilder_19 (L2), Winky_19 (L2), Zakai_19 (L2), ZhongYanYuan_18 (L2),

Start 82:
• Found in 77 of 1187 (6.5%) of genes in pham
• Manual Annotations of this start: 8 of 1079
• Called 10.4% of time when present
• Phage (with cluster) where this start called: Adelaide_18 (EP), Bran_18 (EP), Dina_18 (EP), Lederberg_18 (EP), SamW_18 (EP), StAB_18 (EP), Stiles_18 (EP), Troy_18 (EP),

Start 96:
• Found in 442 of 1187 (37.2%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Caraxes_28 (A2),

Start 107:
• Found in 143 of 1187 (12.0%) of genes in pham
• Manual Annotations of this start: 4 of 1079
• Called 3.5% of time when present
• Phage (with cluster) where this start called: BabyMoney_22 (DT), Dogfish_22 (DT), Ewald_23 (DT), Meyran_22 (DT), Nyceirae_24 (DT),

Start 109:
• Found in 8 of 1187 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 1079
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Manilisa_24 (DT), Phishy_23 (DT), Vordorf_23 (DT),

Summary by clusters:

There are 40 clusters represented in this pham: singleton, DU1, DT, DP, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, DU2, EO, F, CA, KA, A22, L4, L5, L2, L3, L1, EQ, EP, CT, A20, A21, F2,

Info for manual annotations of cluster A1:
•Start number 74 was manually annotated 226 times for cluster A1.

Info for manual annotations of cluster A10:

•Start number 74 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 39 was manually annotated 1 time for cluster A11.
•Start number 78 was manually annotated 27 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 74 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 72 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 74 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 74 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 72 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 74 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 42 was manually annotated 1 time for cluster A2.
•Start number 72 was manually annotated 17 times for cluster A2.
•Start number 73 was manually annotated 3 times for cluster A2.
•Start number 74 was manually annotated 23 times for cluster A2.
•Start number 75 was manually annotated 10 times for cluster A2.
•Start number 76 was manually annotated 5 times for cluster A2.
•Start number 77 was manually annotated 1 time for cluster A2.
•Start number 79 was manually annotated 56 times for cluster A2.
•Start number 96 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:
•Start number 74 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 72 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 72 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 56 was manually annotated 1 time for cluster A3.
•Start number 60 was manually annotated 1 time for cluster A3.
•Start number 74 was manually annotated 123 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 74 was manually annotated 144 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 74 was manually annotated 40 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 72 was manually annotated 50 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 65 was manually annotated 1 time for cluster A7.
•Start number 68 was manually annotated 2 times for cluster A7.
•Start number 69 was manually annotated 1 time for cluster A7.
•Start number 72 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 74 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 49 was manually annotated 1 time for cluster A9.
•Start number 72 was manually annotated 45 times for cluster A9.

Info for manual annotations of cluster CA:
•Start number 80 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CT:
•Start number 62 was manually annotated 8 times for cluster CT.
•Start number 69 was manually annotated 25 times for cluster CT.
•Start number 71 was manually annotated 34 times for cluster CT.

Info for manual annotations of cluster DP:
•Start number 64 was manually annotated 1 time for cluster DP.
•Start number 66 was manually annotated 4 times for cluster DP.
•Start number 67 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster DT:
•Start number 107 was manually annotated 4 times for cluster DT.
•Start number 109 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DU1:
•Start number 67 was manually annotated 3 times for cluster DU1.
•Start number 73 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 62 was manually annotated 1 time for cluster DU2.
•Start number 76 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster EO:
•Start number 74 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:
•Start number 82 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:
•Start number 74 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F2:
•Start number 78 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster KA:
•Start number 71 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster L1:
•Start number 80 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 81 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 80 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 80 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 80 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: 20ES_29 Start: 22015, Stop: 22458, Start Num: 79
Candidate Starts for 20ES_29:
(17, 21784), (22, 21841), (28, 21880), (41, 21970), (Start: 42 @21976 has 1 MA's), (Start: 79 @22015 has 56 MA's), (Start: 96 @22090 has 1 MA's), (113, 22150), (153, 22282), (155, 22303), (175, 22381), (184, 22408), (197, 22438), (200, 22450),

Gene: 40AC_32 Start: 24208, Stop: 24654, Start Num: 79
Candidate Starts for 40AC_32:
(18, 23980), (28, 24073), (Start: 42 @24169 has 1 MA's), (Start: 79 @24208 has 56 MA's), (Start: 96 @24283 has 1 MA's), (106, 24322), (113, 24343), (130, 24385), (153, 24475), (155, 24496), (175, 24574), (184, 24601), (197, 24631),

Gene: A6_26 Start: 22501, Stop: 22947, Start Num: 74
Candidate Starts for A6_26:
(Start: 74 @22501 has 627 MA's), (Start: 82 @22513 has 8 MA's), (104, 22615), (105, 22618), (122, 22660), (124, 22666), (128, 22675), (183, 22894),

Gene: ACFishhook_30 Start: 22360, Stop: 22803, Start Num: 74
Candidate Starts for ACFishhook_30:
(Start: 74 @22360 has 627 MA's), (94, 22429), (101, 22456), (128, 22528), (155, 22648), (164, 22678), (175, 22726), (199, 22795),

Gene: AFIS_28 Start: 23044, Stop: 23490, Start Num: 74
Candidate Starts for AFIS_28:
(Start: 74 @23044 has 627 MA's), (104, 23158), (105, 23161), (122, 23203), (124, 23209), (183, 23437),

Gene: AN3_29 Start: 22012, Stop: 22455, Start Num: 74
Candidate Starts for AN3_29:
(Start: 74 @22012 has 627 MA's), (Start: 96 @22087 has 1 MA's), (113, 22147), (153, 22279), (164, 22330), (175, 22378),

Gene: AN9_32 Start: 22000, Stop: 22443, Start Num: 74
Candidate Starts for AN9_32:
(Start: 74 @22000 has 627 MA's), (Start: 96 @22075 has 1 MA's), (113, 22135), (153, 22267), (164, 22318), (175, 22366),

Gene: ANI8_32 Start: 22000, Stop: 22443, Start Num: 74
Candidate Starts for ANI8_32:
(Start: 74 @22000 has 627 MA's), (Start: 96 @22075 has 1 MA's), (113, 22135), (153, 22267), (164, 22318), (175, 22366),

Gene: AbbyPaige_31 Start: 22486, Stop: 22932, Start Num: 79
Candidate Starts for AbbyPaige_31:
(15, 22174), (19, 22264), (Start: 42 @22447 has 1 MA's), (Start: 79 @22486 has 56 MA's), (Start: 96 @22561 has 1 MA's), (113, 22621), (153, 22753), (175, 22852), (184, 22879),

Gene: AbbysRanger_28 Start: 21662, Stop: 22108, Start Num: 74
Candidate Starts for AbbysRanger_28:
(Start: 74 @21662 has 627 MA's), (94, 21731), (101, 21758), (106, 21776), (128, 21830), (155, 21950), (164, 21980), (169, 21995), (175, 22028),

Gene: Abbyshoes_29 Start: 23159, Stop: 23605, Start Num: 74
Candidate Starts for Abbyshoes_29:
(Start: 74 @23159 has 627 MA's), (104, 23273), (105, 23276), (122, 23318), (124, 23324), (183, 23552),

Gene: Abdiel_27 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Abdiel_27:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Abrogate_290 Start: 23719, Stop: 24165, Start Num: 74
Candidate Starts for Abrogate_290:
(Start: 74 @23719 has 627 MA's), (104, 23833), (105, 23836), (122, 23878), (124, 23884), (183, 24112),

Gene: Achebe_27 Start: 21645, Stop: 22091, Start Num: 74
Candidate Starts for Achebe_27:
(Start: 74 @21645 has 627 MA's), (94, 21714), (101, 21741), (106, 21759), (128, 21813), (155, 21933), (164, 21963), (169, 21978), (175, 22011),

Gene: Acme_30 Start: 23260, Stop: 23706, Start Num: 74
Candidate Starts for Acme_30:
(Start: 74 @23260 has 627 MA's), (104, 23374), (105, 23377), (122, 23419), (124, 23425), (183, 23653),

Gene: Acolyte_29 Start: 22551, Stop: 23000, Start Num: 77

Candidate Starts for Acolyte_29:
(Start: 77 @22551 has 2 MA's), (Start: 96 @22629 has 1 MA's), (113, 22689), (153, 22821), (155, 22842), (164, 22872), (175, 22920), (184, 22947),

Gene: Acquire49_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Acquire49_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: Adahisdi_29 Start: 23167, Stop: 23613, Start Num: 74
Candidate Starts for Adahisdi_29:
(Start: 74 @23167 has 627 MA's), (104, 23281), (105, 23284), (122, 23326), (124, 23332), (183, 23560),

Gene: Adelaide_18 Start: 18016, Stop: 18393, Start Num: 82
Candidate Starts for Adelaide_18:
(Start: 82 @18016 has 8 MA's), (84, 18025), (87, 18046), (90, 18067), (Start: 96 @18088 has 1 MA's), (112, 18127), (148, 18223), (157, 18277), (173, 18328), (179, 18349),

Gene: Adzzy_30 Start: 20730, Stop: 21179, Start Num: 76
Candidate Starts for Adzzy_30:
(Start: 76 @20730 has 8 MA's), (Start: 96 @20808 has 1 MA's), (113, 20868), (153, 21000), (155, 21021), (158, 21027), (175, 21099), (197, 21156),

Gene: Aegeus_19 Start: 18088, Stop: 18534, Start Num: 80
Candidate Starts for Aegeus_19:
(70, 18073), (Start: 80 @18088 has 82 MA's), (86, 18115), (91, 18145), (125, 18244), (126, 18247), (153, 18340), (156, 18361), (161, 18382), (201, 18517),

Gene: Aeneas_30 Start: 23296, Stop: 23742, Start Num: 74
Candidate Starts for Aeneas_30:
(Start: 74 @23296 has 627 MA's), (104, 23410), (105, 23413), (122, 23455), (124, 23461), (183, 23689),

Gene: Agaliana_29 Start: 23240, Stop: 23686, Start Num: 74
Candidate Starts for Agaliana_29:
(Start: 74 @23240 has 627 MA's), (104, 23354), (105, 23357), (122, 23399), (124, 23405), (183, 23633),

Gene: Agape74_31 Start: 22462, Stop: 22908, Start Num: 79
Candidate Starts for Agape74_31:
(15, 22150), (19, 22240), (Start: 42 @22423 has 1 MA's), (Start: 79 @22462 has 56 MA's), (Start: 96 @22537 has 1 MA's), (113, 22597), (153, 22729), (175, 22828), (184, 22855),

Gene: Agatha_19 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Agatha_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: AgentM_25 Start: 21547, Stop: 22011, Start Num: 74
Candidate Starts for AgentM_25:
(Start: 74 @21547 has 627 MA's), (165, 21871), (169, 21883), (180, 21925), (198, 21982),

Gene: Aglet_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for Aglet_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: AgronaGT15_30 Start: 22106, Stop: 22549, Start Num: 74
Candidate Starts for AgronaGT15_30:
(Start: 74 @22106 has 627 MA's), (94, 22175), (101, 22202), (128, 22274), (155, 22394), (164, 22424), (175, 22472), (199, 22541),

Gene: AikoCarson_18 Start: 16751, Stop: 17140, Start Num: 71
Candidate Starts for AikoCarson_18:
(Start: 62 @16742 has 9 MA's), (Start: 71 @16751 has 35 MA's), (93, 16826), (98, 16841), (111, 16862), (117, 16877), (120, 16883), (158, 17006), (169, 17048), (173, 17069), (185, 17111), (186, 17114),

Gene: Airmid_25 Start: 20788, Stop: 21252, Start Num: 74
Candidate Starts for Airmid_25:
(Start: 74 @20788 has 627 MA's), (180, 21166), (186, 21187), (197, 21214), (198, 21223),

Gene: Ajay_29 Start: 23472, Stop: 23918, Start Num: 74
Candidate Starts for Ajay_29:
(Start: 74 @23472 has 627 MA's), (104, 23586), (105, 23589), (122, 23631), (124, 23637), (183, 23865),

Gene: Alatin_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Alatin_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Albee_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Albee_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Alberto7_29 Start: 21929, Stop: 22375, Start Num: 74
Candidate Starts for Alberto7_29:
(Start: 74 @21929 has 627 MA's), (94, 21998), (Start: 96 @22004 has 1 MA's), (101, 22025), (Start: 107 @22046 has 4 MA's), (128, 22097), (155, 22217), (164, 22247), (171, 22271), (175, 22295), (176, 22298), (197, 22352),

Gene: Aldrich_30 Start: 24263, Stop: 24709, Start Num: 74
Candidate Starts for Aldrich_30:
(Start: 74 @24263 has 627 MA's), (Start: 82 @24275 has 8 MA's), (104, 24377), (105, 24380), (122, 24422), (124, 24428), (183, 24656),

Gene: Aliter_31 Start: 23485, Stop: 23934, Start Num: 72
Candidate Starts for Aliter_31:
(Start: 72 @23485 has 121 MA's), (Start: 96 @23566 has 1 MA's), (155, 23779), (164, 23809), (175, 23857), (197, 23914),

Gene: Alma_31 Start: 23561, Stop: 24049, Start Num: 49

Candidate Starts for Alma_31:
(Start: 49 @23561 has 1 MA's), (Start: 72 @23600 has 121 MA's), (Start: 96 @23681 has 1 MA's), (155, 23894), (164, 23924), (175, 23972), (197, 24029),

Gene: Alpacados_23 Start: 17924, Stop: 18364, Start Num: 80
Candidate Starts for Alpacados_23:
(27, 17705), (32, 17726), (50, 17843), (Start: 80 @17924 has 82 MA's), (86, 17951), (122, 18077), (128, 18092), (134, 18119), (158, 18215), (169, 18254),

Gene: Alsfro_32 Start: 23705, Stop: 24151, Start Num: 74
Candidate Starts for Alsfro_32:
(Start: 74 @23705 has 627 MA's), (104, 23819), (105, 23822), (122, 23864), (124, 23870), (183, 24098),

Gene: Altman_30 Start: 23763, Stop: 24209, Start Num: 74
Candidate Starts for Altman_30:
(Start: 74 @23763 has 627 MA's), (104, 23877), (105, 23880), (122, 23922), (124, 23928), (183, 24156),

Gene: Alvin_29 Start: 23532, Stop: 23978, Start Num: 74
Candidate Starts for Alvin_29:
(Start: 74 @23532 has 627 MA's), (104, 23646), (105, 23649), (122, 23691), (124, 23697), (183, 23925),

Gene: Amok_18 Start: 16739, Stop: 17137, Start Num: 62
Candidate Starts for Amok_18:
(Start: 62 @16739 has 9 MA's), (Start: 71 @16748 has 35 MA's), (93, 16823), (98, 16838), (111, 16859), (117, 16874), (120, 16880), (158, 17003), (169, 17045), (173, 17066), (185, 17108), (186, 17111),

Gene: Anaysia_31 Start: 20968, Stop: 21411, Start Num: 74
Candidate Starts for Anaysia_31:
(Start: 74 @20968 has 627 MA's), (83, 20977), (94, 21037), (Start: 96 @21043 has 1 MA's), (115, 21106), (130, 21145), (164, 21286), (175, 21334),

Gene: AndPeggy_18 Start: 17105, Stop: 17503, Start Num: 62
Candidate Starts for AndPeggy_18:
(Start: 62 @17105 has 9 MA's), (Start: 71 @17114 has 35 MA's), (92, 17186), (93, 17189), (98, 17204), (111, 17225), (121, 17249), (158, 17369), (169, 17411), (173, 17432), (185, 17474),

Gene: Aneem_29 Start: 22633, Stop: 23076, Start Num: 78
Candidate Starts for Aneem_29:
(Start: 39 @22570 has 1 MA's), (Start: 78 @22633 has 34 MA's), (Start: 96 @22708 has 1 MA's), (153, 22900), (155, 22921), (175, 22999), (198, 23065),

Gene: Anglerfish_29 Start: 23676, Stop: 24122, Start Num: 74
Candidate Starts for Anglerfish_29:
(Start: 74 @23676 has 627 MA's), (Start: 82 @23688 has 8 MA's), (104, 23790), (105, 23793), (122, 23835), (124, 23841), (183, 24069),

Gene: AngryOrchard_23 Start: 17907, Stop: 18347, Start Num: 80
Candidate Starts for AngryOrchard_23:

(27, 17688), (32, 17709), (50, 17826), (59, 17859), (Start: 80 @17907 has 82 MA's), (86, 17934), (122, 18060), (128, 18075), (134, 18102), (158, 18198), (169, 18237), (186, 18300),

Gene: AnnaL29_32 Start: 23808, Stop: 24260, Start Num: 72
Candidate Starts for AnnaL29_32:
(45, 23784), (Start: 72 @23808 has 121 MA's), (Start: 96 @23889 has 1 MA's), (113, 23949), (124, 23973), (153, 24081), (155, 24102), (164, 24132), (175, 24180), (184, 24207), (197, 24237),

Gene: Annyong_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Annyong_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: Anon_29 Start: 21532, Stop: 21975, Start Num: 74
Candidate Starts for Anon_29:
(16, 21292), (30, 21406), (Start: 74 @21532 has 627 MA's), (89, 21583), (94, 21601), (Start: 96 @21607 has 1 MA's), (164, 21850), (175, 21898), (184, 21925),

Gene: Anselm_29 Start: 22142, Stop: 22588, Start Num: 79
Candidate Starts for Anselm_29:
(Start: 79 @22142 has 56 MA's), (Start: 96 @22217 has 1 MA's), (Start: 107 @22259 has 4 MA's), (113, 22277), (153, 22409), (175, 22508), (184, 22535), (197, 22565),

Gene: Anthony_28 Start: 20492, Stop: 20938, Start Num: 74
Candidate Starts for Anthony_28:
(Start: 74 @20492 has 627 MA's), (Start: 96 @20570 has 1 MA's), (153, 20762), (175, 20861), (184, 20888), (197, 20918), (198, 20927),

Gene: Anubis_32 Start: 22084, Stop: 22527, Start Num: 74
Candidate Starts for Anubis_32:
(Start: 74 @22084 has 627 MA's), (94, 22153), (101, 22180), (128, 22252), (155, 22372), (164, 22402), (175, 22450), (199, 22519),

Gene: AppleCloud_22 Start: 17953, Stop: 18393, Start Num: 80
Candidate Starts for AppleCloud_22:
(27, 17734), (32, 17755), (50, 17872), (59, 17905), (Start: 80 @17953 has 82 MA's), (86, 17980), (122, 18106), (128, 18121), (134, 18148), (158, 18244), (169, 18283),

Gene: Applejack_28 Start: 22937, Stop: 23383, Start Num: 74
Candidate Starts for Applejack_28:
(Start: 74 @22937 has 627 MA's), (Start: 82 @22949 has 8 MA's), (104, 23051), (105, 23054), (122, 23096), (124, 23102), (183, 23330),

Gene: Appletree2_19 Start: 18493, Stop: 18939, Start Num: 80
Candidate Starts for Appletree2_19:
(Start: 80 @18493 has 82 MA's), (88, 18538), (91, 18550), (114, 18619), (125, 18643), (131, 18655), (161, 18784), (163, 18787), (169, 18808), (173, 18829), (196, 18901), (201, 18919), (203, 18931),

Gene: Aragog_25 Start: 21577, Stop: 22041, Start Num: 74
Candidate Starts for Aragog_25:
(Start: 74 @21577 has 627 MA's), (165, 21901), (169, 21913), (180, 21955), (198, 22012),

Gene: Arcanine_29 Start: 22690, Stop: 23136, Start Num: 74
Candidate Starts for Arcanine_29:
(Start: 74 @22690 has 627 MA's), (104, 22804), (105, 22807), (122, 22849), (124, 22855), (183, 23083),

Gene: ArcherNM_31 Start: 23752, Stop: 24204, Start Num: 72
Candidate Starts for ArcherNM_31:
(17, 23524), (18, 23527), (31, 23635), (41, 23710), (Start: 42 @23716 has 1 MA's), (Start: 72 @23752 has 121 MA's), (Start: 96 @23833 has 1 MA's), (153, 24025), (155, 24046), (164, 24076), (175, 24124), (184, 24151), (197, 24181),

Gene: Archetta_25 Start: 21370, Stop: 21834, Start Num: 74
Candidate Starts for Archetta_25:
(Start: 74 @21370 has 627 MA's), (106, 21487), (152, 21631), (180, 21748), (181, 21751), (189, 21775), (198, 21805),

Gene: Archie_19 Start: 18963, Stop: 19460, Start Num: 81
Candidate Starts for Archie_19:
(Start: 81 @18963 has 32 MA's), (86, 18987), (110, 19071), (121, 19098), (125, 19107), (161, 19248), (173, 19293), (187, 19341), (201, 19383), (203, 19395),

Gene: Arianna_20 Start: 19090, Stop: 19509, Start Num: 74
Candidate Starts for Arianna_20:
(Start: 74 @19090 has 627 MA's), (93, 19159), (117, 19213),

Gene: Arissanae_29 Start: 21618, Stop: 22067, Start Num: 72
Candidate Starts for Arissanae_29:
(Start: 72 @21618 has 121 MA's), (Start: 96 @21696 has 1 MA's), (145, 21846), (153, 21888), (155, 21909), (164, 21939), (175, 21987),

Gene: Arlo_27 Start: 22566, Stop: 23012, Start Num: 74
Candidate Starts for Arlo_27:
(Start: 74 @22566 has 627 MA's), (104, 22680), (105, 22683), (122, 22725), (124, 22731), (183, 22959),

Gene: Artemis2UCLA_32 Start: 21661, Stop: 22113, Start Num: 72
Candidate Starts for Artemis2UCLA_32:
(Start: 72 @21661 has 121 MA's), (89, 21718), (Start: 96 @21742 has 1 MA's), (124, 21826), (153, 21934), (164, 21985), (175, 22033), (182, 22048),

Gene: Arturo_27 Start: 21739, Stop: 22185, Start Num: 74
Candidate Starts for Arturo_27:
(Start: 74 @21739 has 627 MA's), (94, 21808), (Start: 96 @21814 has 1 MA's), (101, 21835), (Start: 107 @21856 has 4 MA's), (128, 21907), (155, 22027), (164, 22057), (171, 22081), (175, 22105), (176, 22108), (197, 22162),

Gene: Ashballer_30 Start: 23690, Stop: 24136, Start Num: 74
Candidate Starts for Ashballer_30:
(Start: 74 @23690 has 627 MA's), (Start: 82 @23702 has 8 MA's), (104, 23804), (105, 23807), (122, 23849), (124, 23855), (183, 24083),

Gene: Astro_25 Start: 20465, Stop: 20911, Start Num: 74
Candidate Starts for Astro_25:

(Start: 74 @20465 has 627 MA's), (92, 20528), (94, 20537), (106, 20582), (134, 20663), (158, 20762), (165, 20786), (193, 20885), (197, 20891),

Gene: Atkinbua_30 Start: 23390, Stop: 23836, Start Num: 74
Candidate Starts for Atkinbua_30:
(Start: 74 @23390 has 627 MA's), (104, 23504), (105, 23507), (122, 23549), (124, 23555), (183, 23783),

Gene: AugsMagnumOpus_32 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for AugsMagnumOpus_32:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: AvadaKedavra_19 Start: 18560, Stop: 19006, Start Num: 80
Candidate Starts for AvadaKedavra_19:
(Start: 80 @18560 has 82 MA's), (88, 18605), (91, 18617), (114, 18686), (125, 18710), (131, 18722), (161, 18851), (163, 18854), (169, 18875), (173, 18896), (196, 18968), (201, 18986), (203, 18998),

Gene: Avani_20 Start: 15408, Stop: 15773, Start Num: 78
Candidate Starts for Avani_20:
(43, 15300), (54, 15354), (Start: 78 @15408 has 34 MA's), (91, 15468), (93, 15474), (98, 15489), (108, 15504), (111, 15510), (120, 15531), (121, 15534), (158, 15651), (170, 15693), (176, 15726),

Gene: AvatarAhPeg_29 Start: 21927, Stop: 22373, Start Num: 74
Candidate Starts for AvatarAhPeg_29:
(Start: 74 @21927 has 627 MA's), (94, 21996), (101, 22023), (155, 22215), (164, 22245), (169, 22260), (175, 22293),

Gene: Avle17_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Avle17_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Axym_19 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Axym_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: Ayanochan_31 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Ayanochan_31:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: Azira_21 Start: 18423, Stop: 18809, Start Num: 71
Candidate Starts for Azira_21:
(Start: 71 @18423 has 35 MA's), (92, 18495), (98, 18513), (111, 18534), (120, 18555), (121, 18558), (131, 18579), (150, 18633), (155, 18672), (163, 18699), (169, 18720), (173, 18741),

Gene: B1_26 Start: 21448, Stop: 21891, Start Num: 74
Candidate Starts for B1_26:
(29, 21262), (Start: 60 @21421 has 1 MA's), (Start: 74 @21448 has 627 MA's), (94, 21517), (101, 21544), (155, 21736), (158, 21742), (164, 21766), (175, 21814), (199, 21883),

Gene: BABullseye_32 Start: 21837, Stop: 22289, Start Num: 72
Candidate Starts for BABullseye_32:
(Start: 72 @21837 has 121 MA's), (89, 21894), (Start: 96 @21918 has 1 MA's), (124, 22002), (153, 22110), (164, 22161), (175, 22209), (182, 22224),

Gene: BK1_26 Start: 22501, Stop: 22947, Start Num: 74
Candidate Starts for BK1_26:
(Start: 74 @22501 has 627 MA's), (Start: 82 @22513 has 8 MA's), (104, 22615), (105, 22618), (122, 22660), (124, 22666), (128, 22675), (183, 22894),

Gene: BPBiebs31_29 Start: 23261, Stop: 23707, Start Num: 74
Candidate Starts for BPBiebs31_29:
(Start: 74 @23261 has 627 MA's), (104, 23375), (105, 23378), (122, 23420), (124, 23426), (183, 23654),

Gene: Baby16_28 Start: 21636, Stop: 22082, Start Num: 74
Candidate Starts for Baby16_28:
(Start: 74 @21636 has 627 MA's), (94, 21705), (Start: 96 @21711 has 1 MA's), (101, 21732), (Start: 107 @21753 has 4 MA's), (128, 21804), (155, 21924), (164, 21954), (171, 21978), (175, 22002), (176, 22005), (197, 22059),

Gene: BabyBack_31 Start: 23581, Stop: 24027, Start Num: 75
Candidate Starts for BabyBack_31:
(Start: 75 @23581 has 10 MA's), (Start: 96 @23656 has 1 MA's), (153, 23848), (155, 23869), (164, 23899), (175, 23947), (184, 23974), (197, 24004),

Gene: BabyJohn_27 Start: 22033, Stop: 22476, Start Num: 74
Candidate Starts for BabyJohn_27:
(Start: 74 @22033 has 627 MA's), (94, 22102), (101, 22129), (155, 22321), (158, 22327), (164, 22351), (175, 22399), (183, 22420),

Gene: BabyMoney_22 Start: 19654, Stop: 20046, Start Num: 107
Candidate Starts for BabyMoney_22:
(13, 19018), (14, 19123), (25, 19306), (26, 19309), (47, 19456), (48, 19459), (85, 19558), (Start: 107 @19654 has 4 MA's), (Start: 109 @19660 has 1 MA's), (123, 19693), (177, 19912), (186, 19942), (195, 19966),

Gene: BabyRay_28 Start: 22008, Stop: 22451, Start Num: 74
Candidate Starts for BabyRay_28:
(29, 21822), (Start: 60 @21981 has 1 MA's), (Start: 74 @22008 has 627 MA's), (94, 22077), (101, 22104), (155, 22296), (158, 22302), (164, 22326), (175, 22374), (199, 22443),

Gene: Bachome_29 Start: 22624, Stop: 23067, Start Num: 78
Candidate Starts for Bachome_29:
(Start: 78 @22624 has 34 MA's), (Start: 96 @22699 has 1 MA's), (153, 22891), (155, 22912), (175, 22990), (198, 23056),

Gene: Backyardigan_28 Start: 21657, Stop: 22103, Start Num: 74
Candidate Starts for Backyardigan_28:
(Start: 74 @21657 has 627 MA's), (94, 21726), (101, 21753), (106, 21771), (128, 21825), (155, 21945), (164, 21975), (169, 21990), (175, 22023),

Gene: BaconJack_31 Start: 23459, Stop: 23905, Start Num: 74
Candidate Starts for BaconJack_31:
(Start: 74 @23459 has 627 MA's), (Start: 82 @23471 has 8 MA's), (104, 23573), (105, 23576), (122, 23618), (124, 23624), (183, 23852),

Gene: Bactobuster_30 Start: 23571, Stop: 24017, Start Num: 72
Candidate Starts for Bactobuster_30:
(Start: 72 @23571 has 121 MA's), (Start: 96 @23646 has 1 MA's), (106, 23685), (113, 23706), (153, 23838), (164, 23889), (175, 23937), (184, 23964),

Gene: Badger_28 Start: 21646, Stop: 22092, Start Num: 74
Candidate Starts for Badger_28:
(Start: 74 @21646 has 627 MA's), (94, 21715), (101, 21742), (106, 21760), (128, 21814), (155, 21934), (164, 21964), (169, 21979), (175, 22012),

Gene: Baehexic_30 Start: 22464, Stop: 22910, Start Num: 79
Candidate Starts for Baehexic_30:
(17, 22233), (41, 22419), (Start: 42 @22425 has 1 MA's), (Start: 79 @22464 has 56 MA's), (Start: 96 @22539 has 1 MA's), (106, 22578), (153, 22731), (175, 22830), (184, 22857), (197, 22887),

Gene: Balloona_18 Start: 17116, Stop: 17508, Start Num: 69
Candidate Starts for Balloona_18:
(Start: 69 @17116 has 26 MA's), (83, 17137), (93, 17191), (95, 17197), (98, 17206), (111, 17227), (117, 17242), (126, 17263), (167, 17404), (169, 17413), (173, 17434),

Gene: BangNhom_28 Start: 21941, Stop: 22387, Start Num: 74
Candidate Starts for BangNhom_28:
(Start: 74 @21941 has 627 MA's), (94, 22010), (Start: 96 @22016 has 1 MA's), (101, 22037), (Start: 107 @22058 has 4 MA's), (128, 22109), (155, 22229), (164, 22259), (166, 22265), (171, 22283), (175, 22307), (176, 22310),

Gene: Baoshan_18 Start: 18572, Stop: 19069, Start Num: 81
Candidate Starts for Baoshan_18:
(Start: 81 @18572 has 32 MA's), (86, 18596), (110, 18680), (121, 18707), (125, 18716), (157, 18839), (161, 18857), (173, 18902), (187, 18950), (201, 18992), (203, 19004),

Gene: Barriga_28 Start: 22792, Stop: 23238, Start Num: 74
Candidate Starts for Barriga_28:
(Start: 74 @22792 has 627 MA's), (104, 22906), (105, 22909), (122, 22951), (124, 22957), (183, 23185),

Gene: BarrowTuph_27 Start: 22813, Stop: 23259, Start Num: 74
Candidate Starts for BarrowTuph_27:
(Start: 74 @22813 has 627 MA's), (Start: 82 @22825 has 8 MA's), (104, 22927), (105, 22930), (122, 22972), (124, 22978), (183, 23206),

Gene: Bartimeaus_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Bartimeaus_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Battleship_32 Start: 21080, Stop: 21523, Start Num: 74

Candidate Starts for Battleship_32:
(Start: 74 @21080 has 627 MA's), (83, 21089), (94, 21149), (Start: 96 @21155 has 1 MA's), (115, 21218), (130, 21257), (164, 21398), (175, 21446),

Gene: Baudelaire_19 Start: 18088, Stop: 18534, Start Num: 80
Candidate Starts for Baudelaire_19:
(70, 18073), (Start: 80 @18088 has 82 MA's), (86, 18115), (91, 18145), (125, 18244), (126, 18247), (153, 18340), (156, 18361), (161, 18382), (201, 18517),

Gene: Bavilard_19 Start: 17901, Stop: 18290, Start Num: 69
Candidate Starts for Bavilard_19:
(52, 17847), (Start: 69 @17901 has 26 MA's), (83, 17922), (93, 17976), (95, 17982), (98, 17991), (111, 18012), (117, 18027), (126, 18048), (167, 18189), (169, 18198), (173, 18219),

Gene: Bazzle_19 Start: 18712, Stop: 19209, Start Num: 81
Candidate Starts for Bazzle_19:
(Start: 81 @18712 has 32 MA's), (86, 18736), (110, 18820), (121, 18847), (125, 18856), (161, 18997), (173, 19042), (187, 19090), (201, 19132), (203, 19144),

Gene: Beatrix_28 Start: 24374, Stop: 24820, Start Num: 74
Candidate Starts for Beatrix_28:
(Start: 74 @24374 has 627 MA's), (104, 24488), (105, 24491), (122, 24533), (124, 24539), (183, 24767),

Gene: Beauxregard13_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for Beauxregard13_30:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Beemo_31 Start: 23591, Stop: 24040, Start Num: 72
Candidate Starts for Beemo_31:
(Start: 72 @23591 has 121 MA's), (Start: 96 @23672 has 1 MA's), (155, 23885), (164, 23915), (175, 23963), (197, 24020),

Gene: BeesKnees_29 Start: 22991, Stop: 23437, Start Num: 74
Candidate Starts for BeesKnees_29:
(Start: 74 @22991 has 627 MA's), (104, 23105), (105, 23108), (122, 23150), (124, 23156), (183, 23384),

Gene: Belenaria_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Belenaria_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Bellis_20 Start: 19277, Stop: 19726, Start Num: 80
Candidate Starts for Bellis_20:
(Start: 80 @19277 has 82 MA's), (88, 19322), (91, 19334), (95, 19349), (114, 19406), (120, 19418), (125, 19430), (131, 19442), (135, 19466), (139, 19475), (147, 19493), (159, 19562), (161, 19571), (201, 19706),

Gene: Bellris_28 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for Bellris_28:

(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: BellusTerra_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for BellusTerra_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Benedict_25 Start: 20791, Stop: 21255, Start Num: 74
Candidate Starts for Benedict_25:
(Start: 74 @20791 has 627 MA's), (180, 21169), (186, 21190), (197, 21217), (198, 21226),

Gene: BengiVuitton_30 Start: 22409, Stop: 22852, Start Num: 79
Candidate Starts for BengiVuitton_30:
(15, 22097), (19, 22187), (28, 22274), (41, 22364), (Start: 42 @22370 has 1 MA's), (Start: 79 @22409 has 56 MA's), (Start: 96 @22484 has 1 MA's), (113, 22544), (153, 22676), (155, 22697), (175, 22775), (184, 22802), (197, 22832),

Gene: BennyP_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for BennyP_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: Benvolio_29 Start: 22081, Stop: 22527, Start Num: 79
Candidate Starts for Benvolio_29:
(15, 21769), (17, 21850), (19, 21859), (28, 21946), (Start: 42 @22042 has 1 MA's), (Start: 79 @22081 has 56 MA's), (Start: 96 @22156 has 1 MA's), (113, 22216), (153, 22348), (175, 22447), (184, 22474), (197, 22504),

Gene: Bethlehem_28 Start: 24217, Stop: 24663, Start Num: 74
Candidate Starts for Bethlehem_28:
(Start: 74 @24217 has 627 MA's), (104, 24331), (105, 24334), (122, 24376), (124, 24382), (183, 24610),

Gene: Bexan_27 Start: 23941, Stop: 24387, Start Num: 74
Candidate Starts for Bexan_27:
(Start: 74 @23941 has 627 MA's), (Start: 82 @23953 has 8 MA's), (104, 24055), (105, 24058), (122, 24100), (124, 24106), (183, 24334),

Gene: BiancaTri92_31 Start: 23761, Stop: 24213, Start Num: 72
Candidate Starts for BiancaTri92_31:
(Start: 72 @23761 has 121 MA's), (Start: 96 @23842 has 1 MA's), (153, 24034), (155, 24055), (164, 24085), (175, 24133), (184, 24160),

Gene: Big3_28 Start: 23572, Stop: 24018, Start Num: 74
Candidate Starts for Big3_28:
(Start: 74 @23572 has 627 MA's), (104, 23686), (105, 23689), (122, 23731), (124, 23737), (183, 23965),

Gene: BigCheese_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for BigCheese_19:

(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: BigChungus_18 Start: 17156, Stop: 17548, Start Num: 69
Candidate Starts for BigChungus_18:
(Start: 69 @17156 has 26 MA's), (83, 17177), (93, 17231), (95, 17237), (98, 17246), (111, 17267), (117, 17282), (126, 17303), (167, 17444), (169, 17453), (173, 17474),

Gene: BigMau_30 Start: 23173, Stop: 23619, Start Num: 74
Candidate Starts for BigMau_30:
(Start: 74 @23173 has 627 MA's), (104, 23287), (105, 23290), (122, 23332), (124, 23338), (183, 23566),

Gene: BigPaolini_29 Start: 23570, Stop: 24016, Start Num: 74
Candidate Starts for BigPaolini_29:
(Start: 74 @23570 has 627 MA's), (104, 23684), (105, 23687), (122, 23729), (124, 23735), (183, 23963),

Gene: Bigchungi_28 Start: 22943, Stop: 23389, Start Num: 74
Candidate Starts for Bigchungi_28:
(Start: 74 @22943 has 627 MA's), (104, 23057), (105, 23060), (122, 23102), (124, 23108), (183, 23336),

Gene: Bigflo_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for Bigflo_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: Bigfoot_27 Start: 22779, Stop: 23225, Start Num: 74
Candidate Starts for Bigfoot_27:
(Start: 74 @22779 has 627 MA's), (104, 22893), (105, 22896), (122, 22938), (124, 22944), (183, 23172),

Gene: BillDoor_21 Start: 17082, Stop: 17471, Start Num: 71
Candidate Starts for BillDoor_21:
(Start: 62 @17073 has 9 MA's), (Start: 71 @17082 has 35 MA's), (92, 17154), (93, 17157), (98, 17172), (111, 17193), (121, 17217), (158, 17337), (169, 17379), (173, 17400), (185, 17442),

Gene: BillKnuckles_29 Start: 23657, Stop: 24103, Start Num: 74
Candidate Starts for BillKnuckles_29:
(Start: 74 @23657 has 627 MA's), (104, 23771), (105, 23774), (122, 23816), (124, 23822), (183, 24050),

Gene: Bircsak_28 Start: 23429, Stop: 23875, Start Num: 74
Candidate Starts for Bircsak_28:
(Start: 74 @23429 has 627 MA's), (104, 23543), (105, 23546), (122, 23588), (124, 23594), (183, 23822),

Gene: Biskit_20 Start: 17088, Stop: 17486, Start Num: 62
Candidate Starts for Biskit_20:
(Start: 62 @17088 has 9 MA's), (Start: 71 @17097 has 35 MA's), (92, 17169), (93, 17172), (98, 17187), (111, 17208), (117, 17223), (120, 17229), (131, 17253), (158, 17352), (169, 17394), (173, 17415), (185, 17457),

Gene: Blackflame_28 Start: 22952, Stop: 23398, Start Num: 74
Candidate Starts for Blackflame_28:
(Start: 74 @22952 has 627 MA's), (104, 23066), (105, 23069), (122, 23111), (124, 23117), (183, 23345),

Gene: Blackmoor_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Blackmoor_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Blarby_21 Start: 15928, Stop: 16293, Start Num: 78
Candidate Starts for Blarby_21:
(54, 15874), (Start: 78 @15928 has 34 MA's), (91, 15988), (93, 15994), (98, 16009), (111, 16030), (120, 16051), (121, 16054), (126, 16066), (158, 16171), (170, 16213), (172, 16222), (176, 16246), (181, 16258),

Gene: BlessJoy_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for BlessJoy_32:
(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Blesser_28 Start: 23360, Stop: 23806, Start Num: 74
Candidate Starts for Blesser_28:
(Start: 74 @23360 has 627 MA's), (104, 23474), (105, 23477), (122, 23519), (124, 23525), (183, 23753),

Gene: Blinn1_32 Start: 21830, Stop: 22282, Start Num: 72
Candidate Starts for Blinn1_32:
(Start: 72 @21830 has 121 MA's), (89, 21887), (Start: 96 @21911 has 1 MA's), (124, 21995), (153, 22103), (164, 22154), (175, 22202), (182, 22217),

Gene: Blondies_20 Start: 17071, Stop: 17469, Start Num: 62
Candidate Starts for Blondies_20:
(Start: 62 @17071 has 9 MA's), (Start: 71 @17080 has 35 MA's), (92, 17152), (93, 17155), (98, 17170), (111, 17191), (117, 17206), (120, 17212), (131, 17236), (158, 17335), (169, 17377), (173, 17398), (185, 17440),

Gene: BluSpix_29 Start: 23187, Stop: 23633, Start Num: 74
Candidate Starts for BluSpix_29:
(Start: 74 @23187 has 627 MA's), (104, 23301), (105, 23304), (122, 23346), (124, 23352), (183, 23580),

Gene: Blue_28 Start: 23425, Stop: 23871, Start Num: 74
Candidate Starts for Blue_28:
(Start: 74 @23425 has 627 MA's), (Start: 82 @23437 has 8 MA's), (104, 23539), (105, 23542), (122, 23584), (124, 23590), (183, 23818),

Gene: Blue7_32 Start: 21751, Stop: 22203, Start Num: 72
Candidate Starts for Blue7_32:
(Start: 72 @21751 has 121 MA's), (89, 21808), (Start: 96 @21832 has 1 MA's), (124, 21916), (153, 22024), (164, 22075), (175, 22123), (182, 22138),

Gene: BlueBird_29 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for BlueBird_29:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: Bluefalcon_24 Start: 21627, Stop: 22091, Start Num: 74
Candidate Starts for Bluefalcon_24:
(Start: 74 @21627 has 627 MA's), (106, 21744), (152, 21888), (180, 22005), (181, 22008), (189, 22032), (198, 22062),

Gene: Bob3_27 Start: 22513, Stop: 22959, Start Num: 74
Candidate Starts for Bob3_27:
(Start: 74 @22513 has 627 MA's), (104, 22627), (105, 22630), (122, 22672), (124, 22678), (183, 22906),

Gene: BobSwaget_32 Start: 23608, Stop: 24054, Start Num: 75
Candidate Starts for BobSwaget_32:
(Start: 75 @23608 has 10 MA's), (Start: 96 @23683 has 1 MA's), (113, 23743), (153, 23875), (175, 23974), (184, 24001), (197, 24031),

Gene: BobbyDazzler_24 Start: 18033, Stop: 18473, Start Num: 80
Candidate Starts for BobbyDazzler_24:
(27, 17814), (32, 17835), (50, 17952), (Start: 80 @18033 has 82 MA's), (86, 18060), (122, 18186), (128, 18201), (134, 18228), (158, 18324), (169, 18363),

Gene: BobsGarage_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for BobsGarage_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: BogosyJay_30 Start: 23118, Stop: 23567, Start Num: 72
Candidate Starts for BogosyJay_30:
(Start: 72 @23118 has 121 MA's), (Start: 96 @23199 has 1 MA's), (153, 23391), (155, 23412), (164, 23442), (175, 23490), (184, 23517),

Gene: Bombshell_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Bombshell_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Bonamassa_25 Start: 21468, Stop: 21932, Start Num: 74
Candidate Starts for Bonamassa_25:
(Start: 74 @21468 has 627 MA's), (165, 21792), (169, 21804), (180, 21846), (186, 21867), (197, 21894), (198, 21903),

Gene: Bonanza_24 Start: 17962, Stop: 18402, Start Num: 80
Candidate Starts for Bonanza_24:
(27, 17743), (32, 17764), (50, 17881), (Start: 80 @17962 has 82 MA's), (86, 17989), (122, 18115), (128, 18130), (134, 18157), (158, 18253), (169, 18292),

Gene: Bones_28 Start: 22879, Stop: 23325, Start Num: 74

Candidate Starts for Bones_28:
(Start: 74 @22879 has 627 MA's), (104, 22993), (105, 22996), (122, 23038), (124, 23044), (183, 23272),

Gene: Boohoo_31 Start: 20968, Stop: 21411, Start Num: 74
Candidate Starts for Boohoo_31:
(Start: 74 @20968 has 627 MA's), (83, 20977), (94, 21037), (Start: 96 @21043 has 1 MA's), (115, 21106), (130, 21145), (164, 21286), (175, 21334),

Gene: BourbonZero_19 Start: 19258, Stop: 19707, Start Num: 80
Candidate Starts for BourbonZero_19:
(Start: 80 @19258 has 82 MA's), (88, 19303), (91, 19315), (95, 19330), (114, 19387), (125, 19411), (131, 19423), (135, 19447), (147, 19474), (159, 19543), (161, 19552), (201, 19687),

Gene: Bowtie_29 Start: 22633, Stop: 23076, Start Num: 78
Candidate Starts for Bowtie_29:
(Start: 39 @22570 has 1 MA's), (Start: 78 @22633 has 34 MA's), (Start: 96 @22708 has 1 MA's), (153, 22900), (155, 22921), (175, 22999), (198, 23065),

Gene: Bradman_28 Start: 20882, Stop: 21325, Start Num: 74
Candidate Starts for Bradman_28:
(Start: 74 @20882 has 627 MA's), (Start: 96 @20957 has 1 MA's), (113, 21017), (164, 21200), (175, 21248), (197, 21305),

Gene: Bradshaw_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Bradshaw_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: BrainDrainer_20 Start: 18499, Stop: 18951, Start Num: 80
Candidate Starts for BrainDrainer_20:
(Start: 80 @18499 has 82 MA's), (86, 18526), (88, 18544), (91, 18556), (125, 18655), (131, 18667), (143, 18706), (159, 18787), (161, 18796), (172, 18832), (201, 18931),

Gene: Bran_18 Start: 18021, Stop: 18398, Start Num: 82
Candidate Starts for Bran_18:
(Start: 82 @18021 has 8 MA's), (84, 18030), (87, 18051), (90, 18072), (Start: 96 @18093 has 1 MA's), (112, 18132), (148, 18228), (157, 18282), (173, 18333), (179, 18354),

Gene: BreSam8_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for BreSam8_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: Breezona_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Breezona_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Briton15_30 Start: 23224, Stop: 23670, Start Num: 74
Candidate Starts for Briton15_30:
(Start: 74 @23224 has 627 MA's), (104, 23338), (105, 23341), (122, 23383), (124, 23389), (183, 23617),

Gene: Bromden_20 Start: 18828, Stop: 19280, Start Num: 80
Candidate Starts for Bromden_20:
(Start: 80 @18828 has 82 MA's), (88, 18873), (91, 18885), (125, 18984), (131, 18996), (143, 19035), (159, 19116), (161, 19125), (172, 19161), (188, 19221), (201, 19260),

Gene: Broseidon_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Broseidon_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Bruiser_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Bruiser_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Bryce_24 Start: 17962, Stop: 18402, Start Num: 80
Candidate Starts for Bryce_24:
(27, 17743), (32, 17764), (50, 17881), (Start: 80 @17962 has 82 MA's), (86, 17989), (122, 18115), (128, 18130), (134, 18157), (158, 18253), (169, 18292),

Gene: Bubble_19 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Bubble_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: BubbleTrouble_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for BubbleTrouble_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: Buckaroo_27 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for Buckaroo_27:
(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: Bud_29 Start: 22639, Stop: 23082, Start Num: 78
Candidate Starts for Bud_29:
(Start: 78 @22639 has 34 MA's), (Start: 96 @22714 has 1 MA's), (153, 22906), (155, 22927), (175, 23005), (198, 23071),

Gene: Bugatti_29 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for Bugatti_29:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: Bugsy_31 Start: 22485, Stop: 22931, Start Num: 79
Candidate Starts for Bugsy_31:

(15, 22173), (19, 22263), (Start: 42 @22446 has 1 MA's), (Start: 79 @22485 has 56 MA's), (Start: 96 @22560 has 1 MA's), (113, 22620), (153, 22752), (175, 22851), (184, 22878),

Gene: Bumblebee11_28 Start: 21648, Stop: 22094, Start Num: 74
Candidate Starts for Bumblebee11_28:
(Start: 74 @21648 has 627 MA's), (94, 21717), (101, 21744), (106, 21762), (128, 21816), (155, 21936), (164, 21966), (169, 21981), (175, 22014),

Gene: Burger_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Burger_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Burnsey_19 Start: 17443, Stop: 17832, Start Num: 71
Candidate Starts for Burnsey_19:
(Start: 71 @17443 has 35 MA's), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (168, 17734), (169, 17740), (173, 17761), (185, 17803),

Gene: Burton_29 Start: 23074, Stop: 23520, Start Num: 74
Candidate Starts for Burton_29:
(Start: 74 @23074 has 627 MA's), (104, 23188), (105, 23191), (122, 23233), (124, 23239), (183, 23467),

Gene: Button_20 Start: 16475, Stop: 16867, Start Num: 69
Candidate Starts for Button_20:
(52, 16421), (Start: 69 @16475 has 26 MA's), (93, 16550), (98, 16565), (111, 16586), (117, 16601), (126, 16622), (169, 16772), (171, 16781), (173, 16793),

Gene: Buttons_30 Start: 23915, Stop: 24361, Start Num: 74
Candidate Starts for Buttons_30:
(Start: 74 @23915 has 627 MA's), (Start: 82 @23927 has 8 MA's), (104, 24029), (105, 24032), (122, 24074), (124, 24080), (183, 24308),

Gene: Buttrmlkdreams_19 Start: 17070, Stop: 17468, Start Num: 62
Candidate Starts for Buttrmlkdreams_19:
(Start: 62 @17070 has 9 MA's), (Start: 71 @17079 has 35 MA's), (92, 17151), (93, 17154), (98, 17169), (111, 17190), (117, 17205), (120, 17211), (131, 17235), (158, 17334), (169, 17376), (173, 17397), (185, 17439),

Gene: BuzzBuzz_29 Start: 22282, Stop: 22725, Start Num: 74
Candidate Starts for BuzzBuzz_29:
(Start: 74 @22282 has 627 MA's), (94, 22351), (101, 22378), (128, 22450), (155, 22570), (164, 22600), (175, 22648), (199, 22717),

Gene: Bxb1_26 Start: 23025, Stop: 23471, Start Num: 74
Candidate Starts for Bxb1_26:
(Start: 74 @23025 has 627 MA's), (104, 23139), (105, 23142), (122, 23184), (124, 23190), (183, 23418),

Gene: Bxz2_29 Start: 22292, Stop: 22735, Start Num: 74
Candidate Starts for Bxz2_29:

(Start: 74 @22292 has 627 MA's), (94, 22361), (101, 22388), (128, 22460), (155, 22580), (164, 22610), (175, 22658), (199, 22727),

Gene: C3_27 Start: 22000, Stop: 22443, Start Num: 74
Candidate Starts for C3_27:
(Start: 74 @22000 has 627 MA's), (Start: 96 @22075 has 1 MA's), (113, 22135), (153, 22267), (164, 22318), (175, 22366),

Gene: CRB1_29 Start: 21972, Stop: 22415, Start Num: 79
Candidate Starts for CRB1_29:
(17, 21741), (22, 21798), (28, 21837), (41, 21927), (Start: 42 @21933 has 1 MA's), (Start: 79 @21972 has 56 MA's), (Start: 96 @22047 has 1 MA's), (113, 22107), (153, 22239), (155, 22260), (175, 22338), (184, 22365), (197, 22395), (200, 22407),

Gene: CactusRose_27 Start: 22874, Stop: 23320, Start Num: 74
Candidate Starts for CactusRose_27:
(Start: 74 @22874 has 627 MA's), (104, 22988), (105, 22991), (122, 23033), (124, 23039), (183, 23267),

Gene: Caelakin_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Caelakin_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Caitlin_25 Start: 20462, Stop: 20908, Start Num: 74
Candidate Starts for Caitlin_25:
(Start: 74 @20462 has 627 MA's), (92, 20525), (94, 20534), (101, 20561), (104, 20573), (106, 20579), (134, 20660), (158, 20759), (165, 20783), (193, 20882), (197, 20888),

Gene: Calm_19 Start: 18564, Stop: 19010, Start Num: 80
Candidate Starts for Calm_19:
(Start: 80 @18564 has 82 MA's), (88, 18609), (91, 18621), (114, 18690), (125, 18714), (131, 18726), (161, 18855), (163, 18858), (169, 18879), (173, 18900), (196, 18972), (201, 18990), (203, 19002),

Gene: Calvinny_30 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Calvinny_30:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Camperdownii_27 Start: 21249, Stop: 21695, Start Num: 74
Candidate Starts for Camperdownii_27:
(Start: 74 @21249 has 627 MA's), (94, 21318), (Start: 96 @21324 has 1 MA's), (101, 21345), (Start: 107 @21366 has 4 MA's), (128, 21417), (155, 21537), (164, 21567), (171, 21591), (175, 21615), (176, 21618), (197, 21672),

Gene: Candra_32 Start: 21800, Stop: 22252, Start Num: 72
Candidate Starts for Candra_32:
(Start: 72 @21800 has 121 MA's), (89, 21857), (Start: 96 @21881 has 1 MA's), (124, 21965), (153, 22073), (164, 22124), (175, 22172), (182, 22187),

Gene: CanesSauce_19 Start: 17106, Stop: 17504, Start Num: 62
Candidate Starts for CanesSauce_19:

(Start: 62 @17106 has 9 MA's), (Start: 71 @17115 has 35 MA's), (92, 17187), (93, 17190), (98, 17205), (111, 17226), (121, 17250), (158, 17370), (169, 17412), (173, 17433), (185, 17475),

Gene: CaramelLatte_19 Start: 17106, Stop: 17504, Start Num: 62
Candidate Starts for CaramelLatte_19:
(Start: 62 @17106 has 9 MA's), (Start: 71 @17115 has 35 MA's), (92, 17187), (93, 17190), (98, 17205), (111, 17226), (121, 17250), (158, 17370), (169, 17412), (173, 17433), (185, 17475),

Gene: Caraxes_28 Start: 20724, Stop: 21095, Start Num: 96
Candidate Starts for Caraxes_28:
(Start: 76 @20646 has 8 MA's), (Start: 96 @20724 has 1 MA's), (113, 20784), (153, 20916), (155, 20937), (158, 20943), (175, 21015), (197, 21072),

Gene: Carlyle_30 Start: 23754, Stop: 24200, Start Num: 74
Candidate Starts for Carlyle_30:
(Start: 74 @23754 has 627 MA's), (104, 23868), (105, 23871), (122, 23913), (124, 23919), (183, 24147),

Gene: Carsonalex_20 Start: 17500, Stop: 17889, Start Num: 71
Candidate Starts for Carsonalex_20:
(Start: 71 @17500 has 35 MA's), (92, 17572), (93, 17575), (98, 17590), (111, 17611), (117, 17626), (126, 17647), (139, 17689), (158, 17755), (168, 17791), (169, 17797), (173, 17818), (185, 17860),

Gene: CartmannCramer_28 Start: 24972, Stop: 25418, Start Num: 74
Candidate Starts for CartmannCramer_28:
(Start: 74 @24972 has 627 MA's), (104, 25086), (105, 25089), (122, 25131), (124, 25137), (183, 25365),

Gene: CatBus_30 Start: 24455, Stop: 24901, Start Num: 74
Candidate Starts for CatBus_30:
(Start: 74 @24455 has 627 MA's), (Start: 82 @24467 has 8 MA's), (104, 24569), (105, 24572), (122, 24614), (124, 24620), (183, 24848),

Gene: Cat_26 Start: 21627, Stop: 22070, Start Num: 74
Candidate Starts for Cat_26:
(29, 21441), (Start: 60 @21600 has 1 MA's), (Start: 74 @21627 has 627 MA's), (94, 21696), (101, 21723), (155, 21915), (158, 21921), (164, 21945), (175, 21993), (199, 22062),

Gene: Catalina_32 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Catalina_32:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Caviar_29 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for Caviar_29:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Celestialunch_28 Start: 21504, Stop: 21953, Start Num: 72
Candidate Starts for Celestialunch_28:
(Start: 72 @21504 has 121 MA's), (Start: 96 @21582 has 1 MA's), (153, 21774), (155, 21795), (162, 21819), (164, 21825), (175, 21873), (184, 21900),

Gene: Centaur_31 Start: 22442, Stop: 22888, Start Num: 79
Candidate Starts for Centaur_31:
(17, 22211), (41, 22397), (Start: 42 @22403 has 1 MA's), (Start: 79 @22442 has 56 MA's), (Start: 96 @22517 has 1 MA's), (106, 22556), (153, 22709), (175, 22808), (184, 22835), (197, 22865),

Gene: CentreCat_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for CentreCat_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: Cerulean_29 Start: 21942, Stop: 22388, Start Num: 74
Candidate Starts for Cerulean_29:
(Start: 74 @21942 has 627 MA's), (94, 22011), (Start: 96 @22017 has 1 MA's), (101, 22038), (Start: 107 @22059 has 4 MA's), (128, 22110), (155, 22230), (164, 22260), (166, 22266), (171, 22284), (175, 22308), (176, 22311),

Gene: Chadwick_26 Start: 20759, Stop: 21223, Start Num: 74
Candidate Starts for Chadwick_26:
(Start: 74 @20759 has 627 MA's), (113, 20897), (180, 21137), (186, 21158), (197, 21185), (198, 21194),

Gene: ChampagnePapi_29 Start: 21941, Stop: 22387, Start Num: 74
Candidate Starts for ChampagnePapi_29:
(Start: 74 @21941 has 627 MA's), (94, 22010), (Start: 96 @22016 has 1 MA's), (101, 22037), (Start: 107 @22058 has 4 MA's), (128, 22109), (155, 22229), (164, 22259), (171, 22283), (175, 22307), (176, 22310), (197, 22364),

Gene: Chanagan_27 Start: 22539, Stop: 22985, Start Num: 74
Candidate Starts for Chanagan_27:
(Start: 74 @22539 has 627 MA's), (104, 22653), (105, 22656), (122, 22698), (124, 22704), (183, 22932),

Gene: Changeling_31 Start: 23806, Stop: 24258, Start Num: 72
Candidate Starts for Changeling_31:
(17, 23578), (18, 23581), (31, 23689), (41, 23764), (Start: 42 @23770 has 1 MA's), (Start: 72 @23806 has 121 MA's), (Start: 96 @23887 has 1 MA's), (153, 24079), (155, 24100), (164, 24130), (175, 24178), (184, 24205), (197, 24235),

Gene: Chaph_28 Start: 21636, Stop: 22082, Start Num: 74
Candidate Starts for Chaph_28:
(Start: 74 @21636 has 627 MA's), (94, 21705), (Start: 96 @21711 has 1 MA's), (101, 21732), (Start: 107 @21753 has 4 MA's), (128, 21804), (155, 21924), (164, 21954), (171, 21978), (175, 22002), (176, 22005), (197, 22059),

Gene: Chargerpower_30 Start: 21298, Stop: 21747, Start Num: 72
Candidate Starts for Chargerpower_30:
(Start: 72 @21298 has 121 MA's), (Start: 96 @21376 has 1 MA's), (128, 21469), (153, 21568), (164, 21619), (175, 21667), (184, 21694), (197, 21724),

Gene: Charm_29 Start: 21506, Stop: 21955, Start Num: 72
Candidate Starts for Charm_29:
(Start: 72 @21506 has 121 MA's), (Start: 96 @21584 has 1 MA's), (164, 21827), (175, 21875),

Gene: Chartreuse_32 Start: 21711, Stop: 22163, Start Num: 72
Candidate Starts for Chartreuse_32:
(Start: 72 @21711 has 121 MA's), (89, 21768), (Start: 96 @21792 has 1 MA's), (124, 21876), (153, 21984), (164, 22035), (175, 22083), (182, 22098),

Gene: Chaser_19 Start: 18428, Stop: 18880, Start Num: 80
Candidate Starts for Chaser_19:
(Start: 80 @18428 has 82 MA's), (86, 18455), (88, 18473), (91, 18485), (125, 18584), (131, 18596), (143, 18635), (159, 18716), (161, 18725), (172, 18761), (201, 18860),

Gene: Che12_31 Start: 20899, Stop: 21348, Start Num: 76
Candidate Starts for Che12_31:
(Start: 76 @20899 has 8 MA's), (Start: 96 @20977 has 1 MA's), (113, 21037), (155, 21190), (158, 21196), (175, 21268), (197, 21325),

Gene: Che9d_20 Start: 15416, Stop: 15781, Start Num: 78
Candidate Starts for Che9d_20:
(43, 15308), (54, 15362), (Start: 78 @15416 has 34 MA's), (91, 15476), (93, 15482), (98, 15497), (108, 15512), (111, 15518), (120, 15539), (121, 15542), (158, 15659), (170, 15701), (176, 15734),

Gene: ChengKai98_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for ChengKai98_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: CherryonLim_20 Start: 17865, Stop: 18257, Start Num: 69
Candidate Starts for CherryonLim_20:
(Start: 69 @17865 has 26 MA's), (83, 17886), (93, 17940), (95, 17946), (98, 17955), (111, 17976), (117, 17991), (126, 18012), (167, 18153), (169, 18162), (173, 18183),

Gene: ChickenTender_21 Start: 17507, Stop: 17896, Start Num: 71
Candidate Starts for ChickenTender_21:
(Start: 71 @17507 has 35 MA's), (92, 17579), (93, 17582), (98, 17597), (111, 17618), (117, 17633), (120, 17639), (126, 17654), (139, 17696), (169, 17804), (173, 17825), (185, 17867),

Gene: ChipMunk_31 Start: 22389, Stop: 22835, Start Num: 79
Candidate Starts for ChipMunk_31:
(15, 22077), (19, 22167), (28, 22254), (Start: 42 @22350 has 1 MA's), (Start: 79 @22389 has 56 MA's), (Start: 96 @22464 has 1 MA's), (113, 22524), (153, 22656), (175, 22755), (184, 22782), (197, 22812),

Gene: Chiqui_27 Start: 22033, Stop: 22476, Start Num: 74
Candidate Starts for Chiqui_27:
(Start: 74 @22033 has 627 MA's), (94, 22102), (101, 22129), (155, 22321), (158, 22327), (164, 22351), (175, 22399), (183, 22420),

Gene: ChocoMunchkin_19 Start: 17106, Stop: 17504, Start Num: 62
Candidate Starts for ChocoMunchkin_19:
(Start: 62 @17106 has 9 MA's), (Start: 71 @17115 has 35 MA's), (92, 17187), (93, 17190), (98, 17205), (111, 17226), (121, 17250), (158, 17370), (169, 17412), (173, 17433), (185, 17475),

Gene: ChristmasHams_29 Start: 22977, Stop: 23423, Start Num: 74
Candidate Starts for ChristmasHams_29:

(Start: 74 @22977 has 627 MA's), (104, 23091), (105, 23094), (122, 23136), (124, 23142), (183, 23370),

Gene: Chupacabra_28 Start: 21585, Stop: 22031, Start Num: 74
Candidate Starts for Chupacabra_28:
(Start: 74 @21585 has 627 MA's), (94, 21654), (101, 21681), (128, 21753), (164, 21903), (175, 21951),

Gene: ChutneyChips_19 Start: 18421, Stop: 18873, Start Num: 80
Candidate Starts for ChutneyChips_19:
(Start: 80 @18421 has 82 MA's), (86, 18448), (88, 18466), (91, 18478), (125, 18577), (131, 18589), (143, 18628), (159, 18709), (161, 18718), (172, 18754), (201, 18853),

Gene: Ciao_28 Start: 22882, Stop: 23328, Start Num: 74
Candidate Starts for Ciao_28:
(Start: 74 @22882 has 627 MA's), (104, 22996), (105, 22999), (122, 23041), (124, 23047), (183, 23275),

Gene: CicholasNage_19 Start: 18552, Stop: 18998, Start Num: 80
Candidate Starts for CicholasNage_19:
(Start: 80 @18552 has 82 MA's), (88, 18597), (91, 18609), (114, 18678), (125, 18702), (131, 18714), (161, 18843), (163, 18846), (169, 18867), (173, 18888), (196, 18960), (201, 18978), (203, 18990),

Gene: Cici_28 Start: 21642, Stop: 22088, Start Num: 74
Candidate Starts for Cici_28:
(Start: 74 @21642 has 627 MA's), (94, 21711), (101, 21738), (106, 21756), (128, 21810), (155, 21930), (164, 21960), (169, 21975), (175, 22008),

Gene: Cindaradix_27 Start: 21372, Stop: 21818, Start Num: 74
Candidate Starts for Cindaradix_27:
(Start: 74 @21372 has 627 MA's), (94, 21441), (101, 21468), (106, 21486), (128, 21540), (155, 21660), (164, 21690), (169, 21705), (175, 21738),

Gene: Cintron_28 Start: 21675, Stop: 22121, Start Num: 74
Candidate Starts for Cintron_28:
(Start: 74 @21675 has 627 MA's), (94, 21744), (Start: 96 @21750 has 1 MA's), (101, 21771), (Start: 107 @21792 has 4 MA's), (128, 21843), (155, 21963), (164, 21993), (171, 22017), (175, 22041), (176, 22044), (197, 22098),

Gene: Citius_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Citius_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Clammy_29 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for Clammy_29:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: Clarenza_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Clarenza_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176,

21993), (197, 22047),

Gene: Claus_19 Start: 18728, Stop: 19225, Start Num: 81
Candidate Starts for Claus_19:
(Start: 81 @18728 has 32 MA's), (86, 18752), (110, 18836), (121, 18863), (125, 18872), (157, 18995), (161, 19013), (173, 19058), (187, 19106), (201, 19148), (203, 19160),

Gene: Clautastrophe_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for Clautastrophe_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: Cleo_19 Start: 17736, Stop: 18122, Start Num: 71
Candidate Starts for Cleo_19:
(41, 17628), (Start: 71 @17736 has 35 MA's), (92, 17808), (93, 17811), (98, 17826), (111, 17847), (120, 17868), (121, 17871), (131, 17892), (153, 17964), (169, 18033), (173, 18054),

Gene: CloudWang3_32 Start: 21761, Stop: 22213, Start Num: 72
Candidate Starts for CloudWang3_32:
(Start: 72 @21761 has 121 MA's), (89, 21818), (Start: 96 @21842 has 1 MA's), (124, 21926), (153, 22034), (164, 22085), (175, 22133), (182, 22148),

Gene: ClownCar_30 Start: 22271, Stop: 22714, Start Num: 74
Candidate Starts for ClownCar_30:
(Start: 74 @22271 has 627 MA's), (94, 22340), (101, 22367), (128, 22439), (155, 22559), (164, 22589), (175, 22637), (199, 22706),

Gene: CocoaPuff_18 Start: 17110, Stop: 17502, Start Num: 69
Candidate Starts for CocoaPuff_18:
(Start: 69 @17110 has 26 MA's), (83, 17131), (93, 17185), (95, 17191), (98, 17200), (111, 17221), (117, 17236), (126, 17257), (167, 17398), (169, 17407), (173, 17428),

Gene: Cocoaberry_28 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for Cocoaberry_28:
(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: CogOmlette_27 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for CogOmlette_27:
(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: Colbster_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for Colbster_30:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Colin_32 Start: 23682, Stop: 24128, Start Num: 72
Candidate Starts for Colin_32:
(45, 23658), (Start: 72 @23682 has 121 MA's), (Start: 96 @23757 has 1 MA's), (97, 23760), (106, 23796), (113, 23817), (153, 23949), (155, 23970), (164, 24000), (175, 24048), (184, 24075), (197,

24105),

Gene: Colleen_20 Start: 19090, Stop: 19509, Start Num: 74
Candidate Starts for Colleen_20:
(Start: 74 @19090 has 627 MA's), (93, 19159), (117, 19213),

Gene: Colossa_21 Start: 18140, Stop: 18679, Start Num: 71
Candidate Starts for Colossa_21:
(36, 18008), (57, 18107), (Start: 71 @18140 has 35 MA's), (91, 18209), (101, 18248), (102, 18251), (115, 18290), (204, 18626),

Gene: Commander_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Commander_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: ConceptII_30 Start: 23896, Stop: 24342, Start Num: 74
Candidate Starts for ConceptII_30:
(Start: 74 @23896 has 627 MA's), (Start: 82 @23908 has 8 MA's), (104, 24010), (105, 24013), (122, 24055), (124, 24061), (183, 24289),

Gene: Connomayer_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Connomayer_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (197, 22050),

Gene: Conquerage_31 Start: 23587, Stop: 24036, Start Num: 72
Candidate Starts for Conquerage_31:
(Start: 72 @23587 has 121 MA's), (Start: 96 @23668 has 1 MA's), (155, 23881), (164, 23911), (175, 23959), (197, 24016),

Gene: Conspiracy_25 Start: 21377, Stop: 21841, Start Num: 74
Candidate Starts for Conspiracy_25:
(Start: 74 @21377 has 627 MA's), (106, 21494), (152, 21638), (180, 21755), (181, 21758), (189, 21782), (198, 21812),

Gene: Coog_25 Start: 21517, Stop: 21981, Start Num: 74
Candidate Starts for Coog_25:
(Start: 74 @21517 has 627 MA's), (165, 21841), (169, 21853), (180, 21895), (197, 21943), (198, 21952),

Gene: Cookiedough_32 Start: 21757, Stop: 22209, Start Num: 72
Candidate Starts for Cookiedough_32:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: Corvo_29 Start: 23891, Stop: 24337, Start Num: 74
Candidate Starts for Corvo_29:
(Start: 74 @23891 has 627 MA's), (104, 24005), (105, 24008), (122, 24050), (124, 24056), (183, 24284),

Gene: CosmicSans_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for CosmicSans_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Cozz_19 Start: 17443, Stop: 17832, Start Num: 71
Candidate Starts for Cozz_19:
(Start: 71 @17443 has 35 MA's), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (168, 17734), (169, 17740), (173, 17761), (185, 17803),

Gene: Crispicous1_27 Start: 22468, Stop: 22914, Start Num: 74
Candidate Starts for Crispicous1_27:
(Start: 74 @22468 has 627 MA's), (Start: 82 @22480 has 8 MA's), (104, 22582), (105, 22585), (122, 22627), (124, 22633), (183, 22861),

Gene: Croquant_31 Start: 22196, Stop: 22639, Start Num: 74
Candidate Starts for Croquant_31:
(Start: 74 @22196 has 627 MA's), (94, 22265), (101, 22292), (128, 22364), (155, 22484), (164, 22514), (175, 22562), (199, 22631),

Gene: Crossroads_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Crossroads_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Crucio_29 Start: 21907, Stop: 22353, Start Num: 79
Candidate Starts for Crucio_29:
(Start: 79 @21907 has 56 MA's), (Start: 96 @21982 has 1 MA's), (113, 22042), (153, 22174), (175, 22273), (184, 22300), (197, 22330),

Gene: Cuco_25 Start: 21467, Stop: 21931, Start Num: 74
Candidate Starts for Cuco_25:
(Start: 74 @21467 has 627 MA's), (165, 21791), (169, 21803), (180, 21845), (197, 21893), (198, 21902),

Gene: Cueylyss_28 Start: 23112, Stop: 23558, Start Num: 74
Candidate Starts for Cueylyss_28:
(Start: 74 @23112 has 627 MA's), (104, 23226), (105, 23229), (122, 23271), (124, 23277), (183, 23505),

Gene: Cullens_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for Cullens_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: D29_29 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for D29_29:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: D32_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for D32_32:

(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: DBQu4n_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for DBQu4n_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: DD5_29 Start: 23658, Stop: 24104, Start Num: 74
Candidate Starts for DD5_29:
(Start: 74 @23658 has 627 MA's), (104, 23772), (105, 23775), (122, 23817), (124, 23823), (183, 24051),

Gene: DHan_19 Start: 18664, Stop: 19161, Start Num: 81
Candidate Starts for DHan_19:
(Start: 81 @18664 has 32 MA's), (86, 18688), (110, 18772), (121, 18799), (125, 18808), (157, 18931), (161, 18949), (173, 18994), (187, 19042), (201, 19084), (203, 19096),

Gene: DS6A_22 Start: 18715, Stop: 19122, Start Num: 56
Candidate Starts for DS6A_22:
(Start: 56 @18715 has 2 MA's), (86, 18787), (88, 18805), (93, 18823), (95, 18829), (108, 18853), (110, 18856), (111, 18859), (119, 18877), (121, 18883), (153, 18973), (155, 18994), (178, 19078),

Gene: DaHudson_30 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for DaHudson_30:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: DaVinci_32 Start: 21765, Stop: 22217, Start Num: 72
Candidate Starts for DaVinci_32:
(Start: 72 @21765 has 121 MA's), (89, 21822), (Start: 96 @21846 has 1 MA's), (124, 21930), (153, 22038), (164, 22089), (175, 22137), (182, 22152),

Gene: Daishi_29 Start: 21123, Stop: 21566, Start Num: 74
Candidate Starts for Daishi_29:
(Start: 74 @21123 has 627 MA's), (94, 21192), (101, 21219), (128, 21291), (155, 21411), (164, 21441), (175, 21489), (199, 21558),

Gene: Dalmatian_29 Start: 22114, Stop: 22560, Start Num: 79
Candidate Starts for Dalmatian_29:
(Start: 79 @22114 has 56 MA's), (Start: 96 @22189 has 1 MA's), (Start: 107 @22231 has 4 MA's), (113, 22249), (153, 22381), (175, 22480), (184, 22507), (197, 22537),

Gene: DanBing_18 Start: 18568, Stop: 19065, Start Num: 81
Candidate Starts for DanBing_18:
(Start: 81 @18568 has 32 MA's), (86, 18592), (110, 18676), (121, 18703), (125, 18712), (157, 18835), (161, 18853), (173, 18898), (187, 18946), (201, 18988), (203, 19000),

Gene: Danforth_24 Start: 20444, Stop: 20890, Start Num: 74
Candidate Starts for Danforth_24:
(Start: 74 @20444 has 627 MA's), (92, 20507), (94, 20516), (106, 20561), (134, 20642), (158, 20741), (165, 20765), (193, 20864), (197, 20870),

Gene: Darrell_31 Start: 23551, Stop: 24000, Start Num: 72
Candidate Starts for Darrell_31:
(Start: 72 @23551 has 121 MA's), (Start: 96 @23632 has 1 MA's), (155, 23845), (164, 23875), (171, 23899), (175, 23923), (184, 23950), (197, 23980),

Gene: DarthPhader_30 Start: 23567, Stop: 24016, Start Num: 74
Candidate Starts for DarthPhader_30:
(Start: 74 @23567 has 627 MA's), (Start: 96 @23645 has 1 MA's), (153, 23837), (155, 23858), (158, 23864), (164, 23888), (175, 23936), (184, 23963),

Gene: Datway_28 Start: 21657, Stop: 22103, Start Num: 74
Candidate Starts for Datway_28:
(Start: 74 @21657 has 627 MA's), (94, 21726), (101, 21753), (106, 21771), (128, 21825), (155, 21945), (164, 21975), (169, 21990), (175, 22023),

Gene: Deano_28 Start: 21635, Stop: 22081, Start Num: 74
Candidate Starts for Deano_28:
(Start: 74 @21635 has 627 MA's), (94, 21704), (Start: 96 @21710 has 1 MA's), (101, 21731), (Start: 107 @21752 has 4 MA's), (128, 21803), (155, 21923), (164, 21953), (171, 21977), (175, 22001), (197, 22058),

Gene: DeerParkTS_30 Start: 22034, Stop: 22477, Start Num: 73
Candidate Starts for DeerParkTS_30:
(Start: 73 @22034 has 4 MA's), (Start: 96 @22109 has 1 MA's), (113, 22169), (153, 22301), (155, 22322), (164, 22352), (175, 22400), (184, 22427),

Gene: DekHockey33_31 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for DekHockey33_31:
(Start: 74 @21087 has 627 MA's), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: Deloris_30 Start: 22409, Stop: 22852, Start Num: 79
Candidate Starts for Deloris_30:
(15, 22097), (19, 22187), (28, 22274), (41, 22364), (Start: 42 @22370 has 1 MA's), (Start: 79 @22409 has 56 MA's), (Start: 96 @22484 has 1 MA's), (113, 22544), (153, 22676), (155, 22697), (175, 22775), (184, 22802), (197, 22832),

Gene: DelvinSonDorr_31 Start: 21757, Stop: 22209, Start Num: 72
Candidate Starts for DelvinSonDorr_31:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: Demsculpinboyz_20 Start: 15401, Stop: 15766, Start Num: 78
Candidate Starts for Demsculpinboyz_20:
(43, 15293), (54, 15347), (Start: 78 @15401 has 34 MA's), (91, 15461), (93, 15467), (98, 15482), (108, 15497), (111, 15503), (120, 15524), (121, 15527), (158, 15644), (170, 15686), (176, 15719),

Gene: Dexes_29 Start: 23620, Stop: 24066, Start Num: 74
Candidate Starts for Dexes_29:
(Start: 74 @23620 has 627 MA's), (104, 23734), (105, 23737), (122, 23779), (124, 23785), (183, 24013),

Gene: Dhanush_28 Start: 21630, Stop: 22076, Start Num: 74

Candidate Starts for Dhanush_28:
(Start: 74 @21630 has 627 MA's), (94, 21699), (Start: 96 @21705 has 1 MA's), (101, 21726), (Start: 107 @21747 has 4 MA's), (128, 21798), (155, 21918), (164, 21948), (171, 21972), (175, 21996), (176, 21999), (197, 22053),

Gene: Dieselweasel_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for Dieselweasel_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: Dignity_31 Start: 22430, Stop: 22876, Start Num: 79
Candidate Starts for Dignity_31:
(15, 22118), (19, 22208), (Start: 42 @22391 has 1 MA's), (Start: 79 @22430 has 56 MA's), (Start: 96 @22505 has 1 MA's), (113, 22565), (153, 22697), (175, 22796), (184, 22823),

Gene: Dina_18 Start: 17984, Stop: 18361, Start Num: 82
Candidate Starts for Dina_18:
(Start: 82 @17984 has 8 MA's), (84, 17993), (87, 18014), (90, 18035), (Start: 96 @18056 has 1 MA's), (112, 18095), (148, 18191), (157, 18245), (173, 18296), (179, 18317),

Gene: Dinger_24 Start: 17958, Stop: 18398, Start Num: 80
Candidate Starts for Dinger_24:
(27, 17739), (32, 17760), (50, 17877), (59, 17910), (Start: 80 @17958 has 82 MA's), (86, 17985), (122, 18111), (128, 18126), (134, 18153), (158, 18249), (169, 18288),

Gene: DirkDirk_19 Start: 18533, Stop: 18979, Start Num: 80
Candidate Starts for DirkDirk_19:
(Start: 80 @18533 has 82 MA's), (88, 18578), (91, 18590), (114, 18659), (125, 18683), (131, 18695), (161, 18824), (163, 18827), (169, 18848), (173, 18869), (196, 18941), (201, 18959), (203, 18971),

Gene: DirtDevil_30 Start: 24263, Stop: 24709, Start Num: 74
Candidate Starts for DirtDevil_30:
(Start: 74 @24263 has 627 MA's), (Start: 82 @24275 has 8 MA's), (104, 24377), (105, 24380), (122, 24422), (124, 24428), (183, 24656),

Gene: DirtyDunning_28 Start: 21623, Stop: 22069, Start Num: 74
Candidate Starts for DirtyDunning_28:
(Start: 74 @21623 has 627 MA's), (94, 21692), (Start: 96 @21698 has 1 MA's), (101, 21719), (Start: 107 @21740 has 4 MA's), (128, 21791), (155, 21911), (164, 21941), (171, 21965), (175, 21989), (176, 21992), (197, 22046),

Gene: Discoknowium_25 Start: 21586, Stop: 22050, Start Num: 74
Candidate Starts for Discoknowium_25:
(Start: 74 @21586 has 627 MA's), (165, 21910), (169, 21922), (180, 21964), (198, 22021),

Gene: Dixon_25 Start: 20463, Stop: 20909, Start Num: 74
Candidate Starts for Dixon_25:
(Start: 74 @20463 has 627 MA's), (92, 20526), (94, 20535), (106, 20580), (134, 20661), (158, 20760), (165, 20784), (193, 20883), (197, 20889),

Gene: Dogfish_22 Start: 19828, Stop: 20220, Start Num: 107
Candidate Starts for Dogfish_22:

(13, 19192), (14, 19297), (25, 19480), (26, 19483), (47, 19630), (48, 19633), (85, 19732), (Start: 107 @19828 has 4 MA's), (Start: 109 @19834 has 1 MA's), (123, 19867), (132, 19891), (177, 20086), (186, 20116), (195, 20140),

Gene: DontArgue_27 Start: 19945, Stop: 20391, Start Num: 74
Candidate Starts for DontArgue_27:
(Start: 74 @19945 has 627 MA's), (94, 20014), (101, 20041), (128, 20113), (164, 20263), (175, 20311),

Gene: Doom_29 Start: 23728, Stop: 24174, Start Num: 74
Candidate Starts for Doom_29:
(Start: 74 @23728 has 627 MA's), (104, 23842), (105, 23845), (122, 23887), (124, 23893), (183, 24121),

Gene: Dorothea_32 Start: 21765, Stop: 22217, Start Num: 72
Candidate Starts for Dorothea_32:
(Start: 72 @21765 has 121 MA's), (89, 21822), (Start: 96 @21846 has 1 MA's), (124, 21930), (153, 22038), (164, 22089), (175, 22137), (182, 22152),

Gene: Douge_19 Start: 18369, Stop: 18821, Start Num: 80
Candidate Starts for Douge_19:
(Start: 80 @18369 has 82 MA's), (86, 18396), (88, 18414), (91, 18426), (125, 18525), (131, 18537), (143, 18576), (159, 18657), (161, 18666), (172, 18702), (201, 18801),

Gene: Douzhi_19 Start: 18360, Stop: 18812, Start Num: 80
Candidate Starts for Douzhi_19:
(Start: 80 @18360 has 82 MA's), (86, 18387), (88, 18405), (91, 18417), (125, 18516), (131, 18528), (143, 18567), (159, 18648), (161, 18657), (172, 18693), (201, 18792),

Gene: DrFeelGood_27 Start: 23331, Stop: 23777, Start Num: 74
Candidate Starts for DrFeelGood_27:
(Start: 74 @23331 has 627 MA's), (104, 23445), (105, 23448), (122, 23490), (124, 23496), (183, 23724),

Gene: DrSeegs_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for DrSeegs_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Drake55_31 Start: 22459, Stop: 22905, Start Num: 79
Candidate Starts for Drake55_31:
(17, 22228), (41, 22414), (Start: 79 @22459 has 56 MA's), (Start: 96 @22534 has 1 MA's), (106, 22573), (153, 22726), (175, 22825), (184, 22852), (197, 22882),

Gene: Drake94_27 Start: 19681, Stop: 20127, Start Num: 74
Candidate Starts for Drake94_27:
(Start: 74 @19681 has 627 MA's), (94, 19750), (101, 19777), (128, 19849), (164, 19999), (175, 20047),

Gene: Dre3_19 Start: 17683, Stop: 18069, Start Num: 71
Candidate Starts for Dre3_19:
(41, 17575), (Start: 71 @17683 has 35 MA's), (92, 17755), (98, 17773), (111, 17794), (120, 17815), (121, 17818), (131, 17839), (153, 17911), (169, 17980), (173, 18001),

Gene: DreamCatcher_31 Start: 24345, Stop: 24791, Start Num: 74

Candidate Starts for DreamCatcher_31:
(Start: 74 @24345 has 627 MA's), (104, 24459), (105, 24462), (122, 24504), (124, 24510), (183, 24738),

Gene: DreamTeam1_29 Start: 21505, Stop: 21954, Start Num: 72
Candidate Starts for DreamTeam1_29:
(Start: 72 @21505 has 121 MA's), (Start: 96 @21583 has 1 MA's), (164, 21826), (175, 21874),

Gene: Dreamboat_29 Start: 22897, Stop: 23343, Start Num: 74
Candidate Starts for Dreamboat_29:
(Start: 74 @22897 has 627 MA's), (Start: 82 @22909 has 8 MA's), (104, 23011), (105, 23014), (122, 23056), (124, 23062), (183, 23290),

Gene: DroogsArmy_29 Start: 24438, Stop: 24908, Start Num: 68
Candidate Starts for DroogsArmy_29:
(Start: 68 @24438 has 2 MA's), (Start: 75 @24447 has 10 MA's), (86, 24480), (Start: 96 @24528 has 1 MA's), (128, 24621), (192, 24864),

Gene: DropBear_28 Start: 21823, Stop: 22266, Start Num: 74
Candidate Starts for DropBear_28:
(29, 21637), (Start: 60 @21796 has 1 MA's), (Start: 74 @21823 has 627 MA's), (94, 21892), (101, 21919), (155, 22111), (158, 22117), (164, 22141), (175, 22189), (199, 22258),

Gene: Druantia_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Druantia_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: Dublin_24 Start: 21436, Stop: 21900, Start Num: 74
Candidate Starts for Dublin_24:
(Start: 74 @21436 has 627 MA's), (165, 21760), (169, 21772), (180, 21814), (197, 21862), (198, 21871),

Gene: DudeLittle_29 Start: 22116, Stop: 22562, Start Num: 79
Candidate Starts for DudeLittle_29:
(Start: 79 @22116 has 56 MA's), (Start: 96 @22191 has 1 MA's), (Start: 107 @22233 has 4 MA's), (113, 22251), (153, 22383), (175, 22482), (184, 22509), (197, 22539),

Gene: Dulcie_27 Start: 22594, Stop: 23040, Start Num: 74
Candidate Starts for Dulcie_27:
(Start: 74 @22594 has 627 MA's), (104, 22708), (105, 22711), (122, 22753), (124, 22759), (183, 22987),

Gene: DuncansLeg_20 Start: 19260, Stop: 19709, Start Num: 80
Candidate Starts for DuncansLeg_20:
(Start: 80 @19260 has 82 MA's), (88, 19305), (91, 19317), (95, 19332), (114, 19389), (125, 19413), (131, 19425), (135, 19449), (139, 19458), (147, 19476), (159, 19545), (161, 19554), (201, 19689),

Gene: Duplo_32 Start: 21894, Stop: 22337, Start Num: 74
Candidate Starts for Duplo_32:
(Start: 74 @21894 has 627 MA's), (Start: 96 @21969 has 1 MA's), (113, 22029), (153, 22161), (164, 22212), (175, 22260), (197, 22317), (200, 22329),

Gene: Dussy_29 Start: 23159, Stop: 23605, Start Num: 74
Candidate Starts for Dussy_29:
(Start: 74 @23159 has 627 MA's), (104, 23273), (105, 23276), (122, 23318), (124, 23324), (183, 23552),

Gene: DustyMartin_32 Start: 21655, Stop: 22101, Start Num: 74
Candidate Starts for DustyMartin_32:
(Start: 74 @21655 has 627 MA's), (94, 21724), (101, 21751), (128, 21823), (164, 21973), (175, 22021),

Gene: Dynamix_29 Start: 22976, Stop: 23422, Start Num: 74
Candidate Starts for Dynamix_29:
(Start: 74 @22976 has 627 MA's), (Start: 82 @22988 has 8 MA's), (104, 23090), (105, 23093), (122, 23135), (124, 23141), (183, 23369),

Gene: DyoEdafos_20 Start: 18576, Stop: 19028, Start Num: 80
Candidate Starts for DyoEdafos_20:
(Start: 80 @18576 has 82 MA's), (86, 18603), (88, 18621), (91, 18633), (125, 18732), (131, 18744), (159, 18864), (161, 18873), (172, 18909), (201, 19008),

Gene: EZMoney23_33 Start: 23996, Stop: 24445, Start Num: 75
Candidate Starts for EZMoney23_33:
(44, 23963), (Start: 75 @23996 has 10 MA's), (Start: 96 @24074 has 1 MA's), (153, 24266), (155, 24287), (164, 24317), (175, 24365), (184, 24392), (197, 24422),

Gene: Eagle_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Eagle_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: EagleEye_31 Start: 22746, Stop: 23192, Start Num: 74
Candidate Starts for EagleEye_31:
(Start: 74 @22746 has 627 MA's), (94, 22818), (Start: 96 @22824 has 1 MA's), (153, 23016), (164, 23067), (175, 23115), (184, 23142),

Gene: Eaglepride_29 Start: 21607, Stop: 22053, Start Num: 74
Candidate Starts for Eaglepride_29:
(Start: 74 @21607 has 627 MA's), (94, 21676), (101, 21703), (128, 21775), (164, 21925), (175, 21973),

Gene: Eapen_28 Start: 21626, Stop: 22072, Start Num: 74
Candidate Starts for Eapen_28:
(Start: 74 @21626 has 627 MA's), (94, 21695), (Start: 96 @21701 has 1 MA's), (101, 21722), (Start: 107 @21743 has 4 MA's), (128, 21794), (155, 21914), (164, 21944), (171, 21968), (175, 21992), (176, 21995), (197, 22049),

Gene: Ebony_29 Start: 22676, Stop: 23119, Start Num: 78
Candidate Starts for Ebony_29:
(Start: 78 @22676 has 34 MA's), (Start: 96 @22751 has 1 MA's), (153, 22943), (155, 22964), (175, 23042), (198, 23108),

Gene: Echild_29 Start: 22081, Stop: 22527, Start Num: 79
Candidate Starts for Echild_29:

(15, 21769), (17, 21850), (19, 21859), (28, 21946), (Start: 42 @22042 has 1 MA's), (Start: 79 @22081 has 56 MA's), (Start: 96 @22156 has 1 MA's), (113, 22216), (153, 22348), (175, 22447), (184, 22474), (197, 22504),

Gene: Edison31_28 Start: 21622, Stop: 22068, Start Num: 74
Candidate Starts for Edison31_28:
(Start: 74 @21622 has 627 MA's), (94, 21691), (101, 21718), (128, 21790), (164, 21940), (175, 21988),

Gene: EdogawaKiddo_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for EdogawaKiddo_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Edtherson_29 Start: 23723, Stop: 24169, Start Num: 74
Candidate Starts for Edtherson_29:
(Start: 74 @23723 has 627 MA's), (104, 23837), (105, 23840), (122, 23882), (124, 23888), (183, 24116),

Gene: Eidsmoe_31 Start: 23623, Stop: 24072, Start Num: 72
Candidate Starts for Eidsmoe_31:
(Start: 49 @23584 has 1 MA's), (Start: 72 @23623 has 121 MA's), (Start: 96 @23704 has 1 MA's), (155, 23917), (164, 23947), (175, 23995), (197, 24052),

Gene: ElJefes_18 Start: 17588, Stop: 17980, Start Num: 69
Candidate Starts for ElJefes_18:
(Start: 69 @17588 has 26 MA's), (83, 17609), (93, 17663), (95, 17669), (98, 17678), (111, 17699), (117, 17714), (126, 17735), (167, 17876), (169, 17885), (173, 17906),

Gene: ElTiger69_25 Start: 20789, Stop: 21253, Start Num: 74
Candidate Starts for ElTiger69_25:
(Start: 74 @20789 has 627 MA's), (180, 21167), (186, 21188), (197, 21215), (198, 21224),

Gene: Elephantoon_30 Start: 22996, Stop: 23445, Start Num: 72
Candidate Starts for Elephantoon_30:
(Start: 72 @22996 has 121 MA's), (Start: 96 @23077 has 1 MA's), (155, 23290), (164, 23320), (171, 23344), (175, 23368), (184, 23395), (197, 23425),

Gene: Elinal_20 Start: 17112, Stop: 17501, Start Num: 69
Candidate Starts for Elinal_20:
(52, 17058), (Start: 69 @17112 has 26 MA's), (83, 17133), (93, 17187), (95, 17193), (98, 17202), (111, 17223), (126, 17259), (153, 17340), (167, 17400), (169, 17409), (173, 17430),

Gene: Eliott_19 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Eliott_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: Elle_29 Start: 20866, Stop: 21309, Start Num: 74
Candidate Starts for Elle_29:
(1, 19291), (2, 19468), (3, 19513), (4, 19537), (5, 19540), (6, 19591), (7, 19627), (8, 19744), (9, 19786), (10, 19897), (11, 19930), (16, 20626), (30, 20740), (Start: 74 @20866 has 627 MA's), (94, 20935), (Start: 96 @20941 has 1 MA's), (164, 21184), (175, 21232), (184, 21259), (186, 21262),

Gene: Ellson_20 Start: 19268, Stop: 19717, Start Num: 80
Candidate Starts for Ellson_20:
(Start: 80 @19268 has 82 MA's), (88, 19313), (91, 19325), (95, 19340), (114, 19397), (125, 19421), (131, 19433), (135, 19457), (139, 19466), (147, 19484), (159, 19553), (161, 19562), (201, 19697),

Gene: Emalyn_18 Start: 16747, Stop: 17136, Start Num: 71
Candidate Starts for Emalyn_18:
(Start: 62 @16738 has 9 MA's), (Start: 71 @16747 has 35 MA's), (92, 16819), (93, 16822), (98, 16837), (111, 16858), (117, 16873), (126, 16894), (155, 16996), (158, 17002), (169, 17044), (173, 17065), (185, 17107),

Gene: EmyBug_31 Start: 23623, Stop: 24072, Start Num: 72
Candidate Starts for EmyBug_31:
(Start: 49 @23584 has 1 MA's), (Start: 72 @23623 has 121 MA's), (Start: 96 @23704 has 1 MA's), (155, 23917), (164, 23947), (175, 23995), (197, 24052),

Gene: Enceladus_19 Start: 18534, Stop: 18980, Start Num: 80
Candidate Starts for Enceladus_19:
(Start: 80 @18534 has 82 MA's), (88, 18579), (91, 18591), (114, 18660), (125, 18684), (131, 18696), (161, 18825), (163, 18828), (169, 18849), (173, 18870), (196, 18942), (201, 18960), (203, 18972),

Gene: EnzoK_29 Start: 23148, Stop: 23594, Start Num: 74
Candidate Starts for EnzoK_29:
(Start: 74 @23148 has 627 MA's), (104, 23262), (105, 23265), (122, 23307), (124, 23313), (183, 23541),

Gene: EpicPhail_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for EpicPhail_30:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Epsocamisio_31 Start: 20965, Stop: 21408, Start Num: 74
Candidate Starts for Epsocamisio_31:
(Start: 74 @20965 has 627 MA's), (83, 20974), (94, 21034), (Start: 96 @21040 has 1 MA's), (115, 21103), (130, 21142), (164, 21283), (175, 21331),

Gene: Equemioh13_31 Start: 22445, Stop: 22891, Start Num: 79
Candidate Starts for Equemioh13_31:
(17, 22214), (41, 22400), (Start: 42 @22406 has 1 MA's), (Start: 79 @22445 has 56 MA's), (Start: 96 @22520 has 1 MA's), (106, 22559), (153, 22712), (175, 22811), (184, 22838), (197, 22868),

Gene: EricB_32 Start: 21757, Stop: 22209, Start Num: 72
Candidate Starts for EricB_32:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: Erik_24 Start: 17987, Stop: 18427, Start Num: 80
Candidate Starts for Erik_24:
(27, 17768), (32, 17789), (50, 17906), (59, 17939), (Start: 80 @17987 has 82 MA's), (86, 18014), (122, 18140), (128, 18155), (134, 18182), (158, 18278), (169, 18317),

Gene: Eris_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Eris_27:

(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Eros_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Eros_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Espica_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Espica_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Espresso_28 Start: 23040, Stop: 23486, Start Num: 74
Candidate Starts for Espresso_28:
(Start: 74 @23040 has 627 MA's), (104, 23154), (105, 23157), (122, 23199), (124, 23205), (183, 23433),

Gene: Et2Brutus_28 Start: 22636, Stop: 23079, Start Num: 78
Candidate Starts for Et2Brutus_28:
(Start: 78 @22636 has 34 MA's), (Start: 96 @22711 has 1 MA's), (153, 22903), (155, 22924), (175, 23002), (198, 23068),

Gene: EtoileNova_29 Start: 22281, Stop: 22724, Start Num: 74
Candidate Starts for EtoileNova_29:
(Start: 74 @22281 has 627 MA's), (94, 22350), (101, 22377), (128, 22449), (155, 22569), (164, 22599), (175, 22647),

Gene: Euphoria_28 Start: 22930, Stop: 23376, Start Num: 74
Candidate Starts for Euphoria_28:
(Start: 74 @22930 has 627 MA's), (104, 23044), (105, 23047), (122, 23089), (124, 23095), (183, 23323),

Gene: Eurydice_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Eurydice_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: EvilGenius_31 Start: 22398, Stop: 22844, Start Num: 79
Candidate Starts for EvilGenius_31:
(15, 22086), (19, 22176), (28, 22263), (Start: 42 @22359 has 1 MA's), (Start: 79 @22398 has 56 MA's), (Start: 96 @22473 has 1 MA's), (113, 22533), (153, 22665), (175, 22764), (184, 22791), (197, 22821),

Gene: Ewald_23 Start: 20101, Stop: 20496, Start Num: 107
Candidate Starts for Ewald_23:
(25, 19753), (26, 19756), (47, 19903), (48, 19906), (85, 20005), (Start: 107 @20101 has 4 MA's), (Start: 109 @20107 has 1 MA's), (123, 20140), (147, 20221), (177, 20359), (186, 20389), (195, 20413),

Gene: Expelliarmus_24 Start: 20430, Stop: 20876, Start Num: 74
Candidate Starts for Expelliarmus_24:

(Start: 74 @20430 has 627 MA's), (92, 20493), (94, 20502), (101, 20529), (104, 20541), (106, 20547), (134, 20628), (158, 20727), (165, 20751), (193, 20850), (197, 20856),

Gene: ExplosioNervosa_31 Start: 23626, Stop: 24075, Start Num: 72
Candidate Starts for ExplosioNervosa_31:
(Start: 49 @23587 has 1 MA's), (Start: 72 @23626 has 121 MA's), (Start: 96 @23707 has 1 MA's), (155, 23920), (164, 23950), (175, 23998), (197, 24055),

Gene: Eyeball_28 Start: 22735, Stop: 23181, Start Num: 74
Candidate Starts for Eyeball_28:
(Start: 74 @22735 has 627 MA's), (104, 22849), (105, 22852), (122, 22894), (124, 22900), (183, 23128),

Gene: Faith1_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Faith1_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Fajezeel_30 Start: 23245, Stop: 23691, Start Num: 74
Candidate Starts for Fajezeel_30:
(Start: 74 @23245 has 627 MA's), (104, 23359), (105, 23362), (122, 23404), (124, 23410), (183, 23638),

Gene: Fameo_29 Start: 22085, Stop: 22531, Start Num: 79
Candidate Starts for Fameo_29:
(Start: 79 @22085 has 56 MA's), (Start: 96 @22160 has 1 MA's), (113, 22220), (153, 22352), (175, 22451), (184, 22478), (197, 22508),

Gene: Farber_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for Farber_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: FarmResident_19 Start: 18413, Stop: 18865, Start Num: 80
Candidate Starts for FarmResident_19:
(Start: 80 @18413 has 82 MA's), (86, 18440), (88, 18458), (91, 18470), (125, 18569), (131, 18581), (143, 18620), (159, 18701), (161, 18710), (172, 18746), (201, 18845),

Gene: Fascinus_27 Start: 22799, Stop: 23245, Start Num: 74
Candidate Starts for Fascinus_27:
(Start: 74 @22799 has 627 MA's), (104, 22913), (105, 22916), (122, 22958), (124, 22964), (183, 23192),

Gene: FatCactus_27 Start: 20425, Stop: 20871, Start Num: 74
Candidate Starts for FatCactus_27:
(12, 19648), (Start: 74 @20425 has 627 MA's), (Start: 96 @20503 has 1 MA's), (164, 20746), (175, 20794), (197, 20851), (198, 20860),

Gene: Fayely_31 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Fayely_31:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: Feastonyeet_18 Start: 17156, Stop: 17548, Start Num: 69
Candidate Starts for Feastonyeet_18:
(Start: 69 @17156 has 26 MA's), (83, 17177), (93, 17231), (95, 17237), (98, 17246), (111, 17267), (117, 17282), (126, 17303), (167, 17444), (169, 17453), (173, 17474),

Gene: Fenn_29 Start: 24610, Stop: 25056, Start Num: 74
Candidate Starts for Fenn_29:
(Start: 74 @24610 has 627 MA's), (104, 24724), (105, 24727), (122, 24769), (124, 24775), (183, 25003),

Gene: Fernando_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for Fernando_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: Fibonacci_29 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Fibonacci_29:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Finemlucis_19 Start: 18755, Stop: 19252, Start Num: 81
Candidate Starts for Finemlucis_19:
(Start: 81 @18755 has 32 MA's), (86, 18779), (110, 18863), (121, 18890), (125, 18899), (157, 19022), (161, 19040), (172, 19076), (173, 19085), (187, 19133), (201, 19175), (203, 19187),

Gene: Finnry_20 Start: 19279, Stop: 19728, Start Num: 80
Candidate Starts for Finnry_20:
(Start: 80 @19279 has 82 MA's), (88, 19324), (91, 19336), (95, 19351), (114, 19408), (120, 19420), (125, 19432), (131, 19444), (135, 19468), (139, 19477), (147, 19495), (159, 19564), (161, 19573), (201, 19708),

Gene: FiringLine_29 Start: 21907, Stop: 22353, Start Num: 79
Candidate Starts for FiringLine_29:
(Start: 79 @21907 has 56 MA's), (Start: 96 @21982 has 1 MA's), (113, 22042), (153, 22174), (175, 22273), (184, 22300), (197, 22330),

Gene: First_0029 Start: 22076, Stop: 22519, Start Num: 79
Candidate Starts for First_0029:
(Start: 79 @22076 has 56 MA's), (Start: 96 @22151 has 1 MA's), (113, 22211), (153, 22343), (155, 22364), (175, 22442), (184, 22469), (197, 22499), (200, 22511),

Gene: Flare16_29 Start: 22003, Stop: 22449, Start Num: 79
Candidate Starts for Flare16_29:
(17, 21772), (41, 21958), (Start: 42 @21964 has 1 MA's), (Start: 79 @22003 has 56 MA's), (Start: 96 @22078 has 1 MA's), (106, 22117), (153, 22270), (175, 22369), (184, 22396), (197, 22426),

Gene: Flaverint_29 Start: 22627, Stop: 23070, Start Num: 78
Candidate Starts for Flaverint_29:
(Start: 39 @22564 has 1 MA's), (Start: 78 @22627 has 34 MA's), (Start: 96 @22702 has 1 MA's), (153, 22894), (155, 22915), (175, 22993), (198, 23059),

Gene: Florean_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Florean_28:

(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Florence1_25 Start: 21259, Stop: 21723, Start Num: 74
Candidate Starts for Florence1_25:
(Start: 74 @21259 has 627 MA's), (165, 21583), (169, 21595), (180, 21637), (186, 21658), (197, 21685), (198, 21694),

Gene: Florence4_26 Start: 21259, Stop: 21723, Start Num: 74
Candidate Starts for Florence4_26:
(Start: 74 @21259 has 627 MA's), (165, 21583), (169, 21595), (180, 21637), (186, 21658), (197, 21685), (198, 21694),

Gene: Flux_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Flux_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: FlyCatcher_32 Start: 24743, Stop: 25210, Start Num: 69
Candidate Starts for FlyCatcher_32:
(Start: 69 @24743 has 26 MA's), (86, 24785), (Start: 96 @24833 has 1 MA's), (101, 24854), (113, 24893), (128, 24926), (129, 24929), (192, 25169),

Gene: ForGetIt_25 Start: 21402, Stop: 21866, Start Num: 74
Candidate Starts for ForGetIt_25:
(Start: 74 @21402 has 627 MA's), (106, 21519), (152, 21663), (180, 21780), (181, 21783), (189, 21807), (198, 21837),

Gene: ForesterFrank_31 Start: 23473, Stop: 23919, Start Num: 73
Candidate Starts for ForesterFrank_31:
(Start: 73 @23473 has 4 MA's), (Start: 96 @23548 has 1 MA's), (106, 23587), (113, 23608), (153, 23740), (155, 23761), (164, 23791), (175, 23839), (184, 23866), (197, 23896),

Gene: Forsytheast_28 Start: 23169, Stop: 23615, Start Num: 74
Candidate Starts for Forsytheast_28:
(55, 23121), (Start: 74 @23169 has 627 MA's), (104, 23283), (105, 23286), (122, 23328), (124, 23334), (183, 23562),

Gene: Fred313_28 Start: 21508, Stop: 21951, Start Num: 74
Candidate Starts for Fred313_28:
(29, 21322), (Start: 60 @21481 has 1 MA's), (Start: 74 @21508 has 627 MA's), (94, 21577), (101, 21604), (155, 21796), (158, 21802), (164, 21826), (175, 21874), (199, 21943),

Gene: Fribs8_20 Start: 18267, Stop: 18653, Start Num: 71
Candidate Starts for Fribs8_20:
(Start: 71 @18267 has 35 MA's), (92, 18339), (93, 18342), (98, 18357), (108, 18372), (111, 18378), (120, 18399), (121, 18402), (131, 18423), (150, 18477), (155, 18516), (169, 18564), (173, 18585),

Gene: Froghopper_29 Start: 22897, Stop: 23343, Start Num: 74
Candidate Starts for Froghopper_29:

(Start: 74 @22897 has 627 MA's), (104, 23011), (105, 23014), (122, 23056), (124, 23062), (183, 23290),

Gene: Fryberger_54 Start: 29656, Stop: 30054, Start Num: 67
Candidate Starts for Fryberger_54:
(Start: 67 @29656 has 4 MA's), (Start: 81 @29677 has 32 MA's), (93, 29737), (95, 29743), (108, 29767), (117, 29788), (120, 29794), (126, 29809), (144, 29872), (146, 29878), (151, 29899), (154, 29935), (172, 29998), (173, 30007), (174, 30010),

Gene: Funston_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Funston_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Fushigi_29 Start: 23354, Stop: 23800, Start Num: 74
Candidate Starts for Fushigi_29:
(Start: 74 @23354 has 627 MA's), (104, 23468), (105, 23471), (122, 23513), (124, 23519), (183, 23747),

Gene: GMonster_27 Start: 22314, Stop: 22760, Start Num: 74
Candidate Starts for GMonster_27:
(Start: 74 @22314 has 627 MA's), (104, 22428), (105, 22431), (122, 22473), (124, 22479), (183, 22707),

Gene: GTE2_17 Start: 16788, Stop: 17177, Start Num: 71
Candidate Starts for GTE2_17:
(Start: 62 @16779 has 9 MA's), (Start: 71 @16788 has 35 MA's), (92, 16860), (93, 16863), (98, 16878), (111, 16899), (117, 16914), (121, 16923), (126, 16935), (139, 16977), (158, 17043), (169, 17085), (173, 17106), (185, 17148),

Gene: Gabriela_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Gabriela_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Gachnar_28 Start: 22956, Stop: 23402, Start Num: 74
Candidate Starts for Gachnar_28:
(Start: 74 @22956 has 627 MA's), (104, 23070), (105, 23073), (122, 23115), (124, 23121), (183, 23349),

Gene: Gadost_28 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for Gadost_28:
(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: GageAP_30 Start: 23668, Stop: 24114, Start Num: 74
Candidate Starts for GageAP_30:
(Start: 74 @23668 has 627 MA's), (104, 23782), (105, 23785), (122, 23827), (124, 23833), (183, 24061),

Gene: Gail_29 Start: 21220, Stop: 21669, Start Num: 72

Candidate Starts for Gail_29:
(Start: 72 @21220 has 121 MA's), (Start: 96 @21298 has 1 MA's), (153, 21490), (164, 21541), (175, 21589), (184, 21616), (197, 21646),

Gene: Gandalf20_29 Start: 23773, Stop: 24219, Start Num: 74
Candidate Starts for Gandalf20_29:
(Start: 74 @23773 has 627 MA's), (104, 23887), (105, 23890), (122, 23932), (124, 23938), (183, 24166),

Gene: Garak_33 Start: 21765, Stop: 22217, Start Num: 72
Candidate Starts for Garak_33:
(Start: 72 @21765 has 121 MA's), (89, 21822), (Start: 96 @21846 has 1 MA's), (124, 21930), (153, 22038), (164, 22089), (175, 22137), (182, 22152),

Gene: Gardann_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for Gardann_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: GaugeLDP_31 Start: 23256, Stop: 23702, Start Num: 75
Candidate Starts for GaugeLDP_31:
(Start: 75 @23256 has 10 MA's), (Start: 96 @23331 has 1 MA's), (153, 23523), (155, 23544), (164, 23574), (175, 23622), (184, 23649), (197, 23679),

Gene: Gemma_30 Start: 22275, Stop: 22718, Start Num: 74
Candidate Starts for Gemma_30:
(Start: 74 @22275 has 627 MA's), (94, 22344), (101, 22371), (128, 22443), (155, 22563), (164, 22593), (175, 22641), (199, 22710),

Gene: George_24 Start: 21468, Stop: 21932, Start Num: 74
Candidate Starts for George_24:
(Start: 74 @21468 has 627 MA's), (165, 21792), (169, 21804), (180, 21846), (197, 21894), (198, 21903),

Gene: Georgie2_30 Start: 21898, Stop: 22344, Start Num: 79
Candidate Starts for Georgie2_30:
(Start: 79 @21898 has 56 MA's), (Start: 96 @21973 has 1 MA's), (113, 22033), (153, 22165), (175, 22264), (184, 22291), (197, 22321),

Gene: Ghoulboy_25 Start: 21717, Stop: 22181, Start Num: 74
Candidate Starts for Ghoulboy_25:
(Start: 74 @21717 has 627 MA's), (106, 21834), (152, 21978), (180, 22095), (181, 22098), (197, 22143), (198, 22152),

Gene: GiKK_22 Start: 16778, Stop: 17170, Start Num: 69
Candidate Starts for GiKK_22:
(Start: 69 @16778 has 26 MA's), (93, 16853), (98, 16868), (111, 16889), (117, 16904), (126, 16925), (169, 17075), (170, 17078), (173, 17096),

Gene: Gibbous_19 Start: 17683, Stop: 18069, Start Num: 71
Candidate Starts for Gibbous_19:
(41, 17575), (Start: 71 @17683 has 35 MA's), (92, 17755), (98, 17773), (111, 17794), (120, 17815), (121, 17818), (131, 17839), (153, 17911), (169, 17980), (173, 18001),

Gene: Gilberta_29 Start: 22624, Stop: 23067, Start Num: 78
Candidate Starts for Gilberta_29:
(Start: 39 @22561 has 1 MA's), (Start: 78 @22624 has 34 MA's), (Start: 96 @22699 has 1 MA's), (153, 22891), (155, 22912), (175, 22990), (198, 23056),

Gene: GingkoMaracino_30 Start: 22084, Stop: 22527, Start Num: 74
Candidate Starts for GingkoMaracino_30:
(Start: 74 @22084 has 627 MA's), (94, 22153), (101, 22180), (128, 22252), (155, 22372), (164, 22402), (175, 22450), (199, 22519),

Gene: Giroux_29 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for Giroux_29:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: Gladiator_32 Start: 21751, Stop: 22203, Start Num: 72
Candidate Starts for Gladiator_32:
(Start: 72 @21751 has 121 MA's), (89, 21808), (Start: 96 @21832 has 1 MA's), (124, 21916), (153, 22024), (164, 22075), (175, 22123), (182, 22138),

Gene: GoldHunter_19 Start: 17443, Stop: 17832, Start Num: 71
Candidate Starts for GoldHunter_19:
(Start: 71 @17443 has 35 MA's), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (168, 17734), (169, 17740), (173, 17761), (185, 17803),

Gene: Gollum_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Gollum_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Gompeii16_28 Start: 23430, Stop: 23876, Start Num: 74
Candidate Starts for Gompeii16_28:
(Start: 74 @23430 has 627 MA's), (104, 23544), (105, 23547), (122, 23589), (124, 23595), (183, 23823),

Gene: Goose_28 Start: 21586, Stop: 22032, Start Num: 74
Candidate Starts for Goose_28:
(Start: 74 @21586 has 627 MA's), (94, 21655), (101, 21682), (128, 21754), (164, 21904), (175, 21952),

Gene: Goose1D_28 Start: 21018, Stop: 21461, Start Num: 74
Candidate Starts for Goose1D_28:
(29, 20832), (Start: 60 @20991 has 1 MA's), (Start: 74 @21018 has 627 MA's), (94, 21087), (101, 21114), (155, 21306), (158, 21312), (164, 21336), (175, 21384), (199, 21453),

Gene: Goose1X_28 Start: 21090, Stop: 21533, Start Num: 74
Candidate Starts for Goose1X_28:
(29, 20904), (Start: 60 @21063 has 1 MA's), (Start: 74 @21090 has 627 MA's), (94, 21159), (101, 21186), (155, 21378), (158, 21384), (164, 21408), (175, 21456), (199, 21525),

Gene: Graduation_30 Start: 23699, Stop: 24145, Start Num: 74
Candidate Starts for Graduation_30:

(Start: 74 @23699 has 627 MA's), (104, 23813), (105, 23816), (122, 23858), (124, 23864), (183, 24092),

Gene: Gratitude_31 Start: 22445, Stop: 22891, Start Num: 79
Candidate Starts for Gratitude_31:
(17, 22214), (41, 22400), (Start: 42 @22406 has 1 MA's), (Start: 79 @22445 has 56 MA's), (Start: 96 @22520 has 1 MA's), (106, 22559), (153, 22712), (175, 22811), (184, 22838), (197, 22868),

Gene: GrecoEtereo_30 Start: 23739, Stop: 24185, Start Num: 74
Candidate Starts for GrecoEtereo_30:
(Start: 74 @23739 has 627 MA's), (Start: 82 @23751 has 8 MA's), (104, 23853), (105, 23856), (122, 23898), (124, 23904), (183, 24132),

Gene: GreedyLawyer_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for GreedyLawyer_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: Greg_30 Start: 23245, Stop: 23691, Start Num: 74
Candidate Starts for Greg_30:
(Start: 74 @23245 has 627 MA's), (104, 23359), (105, 23362), (122, 23404), (124, 23410), (183, 23638),

Gene: Grif_30 Start: 22281, Stop: 22724, Start Num: 74
Candidate Starts for Grif_30:
(Start: 74 @22281 has 627 MA's), (94, 22350), (101, 22377), (128, 22449), (155, 22569), (164, 22599), (175, 22647), (199, 22716),

Gene: GroundGoblin_30 Start: 24263, Stop: 24709, Start Num: 74
Candidate Starts for GroundGoblin_30:
(Start: 74 @24263 has 627 MA's), (Start: 82 @24275 has 8 MA's), (104, 24377), (105, 24380), (122, 24422), (124, 24428), (183, 24656),

Gene: Groundhog_24 Start: 20431, Stop: 20877, Start Num: 74
Candidate Starts for Groundhog_24:
(Start: 74 @20431 has 627 MA's), (92, 20494), (94, 20503), (101, 20530), (104, 20542), (106, 20548), (134, 20629), (158, 20728), (165, 20752), (193, 20851), (197, 20857),

Gene: Groupthink_31 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Groupthink_31:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Grub_30 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for Grub_30:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: Grum1_30 Start: 22194, Stop: 22637, Start Num: 74
Candidate Starts for Grum1_30:
(Start: 74 @22194 has 627 MA's), (94, 22263), (101, 22290), (128, 22362), (155, 22482), (164, 22512), (175, 22560),

Gene: Gruunaga_32 Start: 21751, Stop: 22203, Start Num: 72
Candidate Starts for Gruunaga_32:
(Start: 72 @21751 has 121 MA's), (89, 21808), (Start: 96 @21832 has 1 MA's), (124, 21916), (153, 22024), (164, 22075), (175, 22123), (182, 22138),

Gene: GtownJaz_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for GtownJaz_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: Guey18_59 Start: 30848, Stop: 31246, Start Num: 66
Candidate Starts for Guey18_59:
(Start: 66 @30848 has 4 MA's), (Start: 81 @30869 has 32 MA's), (93, 30929), (95, 30935), (108, 30959), (117, 30980), (120, 30986), (126, 31001), (144, 31064), (146, 31070), (151, 31091), (154, 31127), (172, 31190), (173, 31199), (174, 31202),

Gene: GuuelaD_19 Start: 18781, Stop: 19278, Start Num: 81
Candidate Starts for GuuelaD_19:
(Start: 81 @18781 has 32 MA's), (86, 18805), (110, 18889), (121, 18916), (125, 18925), (157, 19048), (161, 19066), (173, 19111), (187, 19159), (201, 19201),

Gene: Gwendoluna_30 Start: 24887, Stop: 25333, Start Num: 74
Candidate Starts for Gwendoluna_30:
(Start: 74 @24887 has 627 MA's), (104, 25001), (105, 25004), (122, 25046), (124, 25052), (183, 25280),

Gene: Gwennie_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for Gwennie_30:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Gyzlar_30 Start: 24193, Stop: 24639, Start Num: 74
Candidate Starts for Gyzlar_30:
(Start: 74 @24193 has 627 MA's), (104, 24307), (105, 24310), (122, 24352), (124, 24358), (183, 24586),

Gene: HINdeR_28 Start: 24539, Stop: 25006, Start Num: 65
Candidate Starts for HINdeR_28:
(Start: 65 @24539 has 1 MA's), (Start: 75 @24548 has 10 MA's), (86, 24581), (Start: 96 @24629 has 1 MA's), (192, 24965),

Gene: Hafay_19 Start: 18780, Stop: 19277, Start Num: 81
Candidate Starts for Hafay_19:
(Start: 81 @18780 has 32 MA's), (86, 18804), (110, 18888), (121, 18915), (125, 18924), (157, 19047), (161, 19065), (172, 19101), (173, 19110), (187, 19158), (201, 19200), (203, 19212),

Gene: Halena_19 Start: 18561, Stop: 19007, Start Num: 80
Candidate Starts for Halena_19:
(Start: 80 @18561 has 82 MA's), (88, 18606), (91, 18618), (114, 18687), (125, 18711), (131, 18723), (161, 18852), (163, 18855), (169, 18876), (173, 18897), (196, 18969), (201, 18987), (203, 18999),

Gene: HamSlice_27 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for HamSlice_27:

(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994), (197, 22048),

Gene: Hami1_30 Start: 23339, Stop: 23785, Start Num: 74
Candidate Starts for Hami1_30:
(Start: 74 @23339 has 627 MA's), (Start: 82 @23351 has 8 MA's), (104, 23453), (105, 23456), (122, 23498), (124, 23504), (183, 23732),

Gene: Hammer_32 Start: 21766, Stop: 22218, Start Num: 72
Candidate Starts for Hammer_32:
(Start: 72 @21766 has 121 MA's), (89, 21823), (Start: 96 @21847 has 1 MA's), (124, 21931), (153, 22039), (164, 22090), (175, 22138), (182, 22153),

Gene: HanShotFirst_28 Start: 22873, Stop: 23319, Start Num: 74
Candidate Starts for HanShotFirst_28:
(Start: 74 @22873 has 627 MA's), (104, 22987), (105, 22990), (122, 23032), (124, 23038), (183, 23266),

Gene: Hanray_31 Start: 23561, Stop: 24010, Start Num: 72
Candidate Starts for Hanray_31:
(Start: 72 @23561 has 121 MA's), (Start: 96 @23642 has 1 MA's), (155, 23855), (164, 23885), (175, 23933), (197, 23990),

Gene: Happiness_28 Start: 21633, Stop: 22079, Start Num: 74
Candidate Starts for Happiness_28:
(Start: 74 @21633 has 627 MA's), (94, 21702), (Start: 96 @21708 has 1 MA's), (101, 21729), (Start: 107 @21750 has 4 MA's), (128, 21801), (155, 21921), (164, 21951), (166, 21957), (171, 21975), (175, 21999), (176, 22002),

Gene: Harlequin_24 Start: 17938, Stop: 18378, Start Num: 80
Candidate Starts for Harlequin_24:
(27, 17719), (32, 17740), (50, 17857), (Start: 80 @17938 has 82 MA's), (86, 17965), (122, 18091), (128, 18106), (134, 18133), (158, 18229), (169, 18268),

Gene: HarryHoudini_31 Start: 22462, Stop: 22908, Start Num: 79
Candidate Starts for HarryHoudini_31:
(41, 22417), (Start: 79 @22462 has 56 MA's), (Start: 96 @22537 has 1 MA's), (106, 22576), (153, 22729), (175, 22828), (184, 22855),

Gene: HarryOW_29 Start: 23327, Stop: 23773, Start Num: 74
Candidate Starts for HarryOW_29:
(Start: 74 @23327 has 627 MA's), (104, 23441), (105, 23444), (122, 23486), (124, 23492), (183, 23720),

Gene: HashRod_31 Start: 22285, Stop: 22728, Start Num: 74
Candidate Starts for HashRod_31:
(Start: 74 @22285 has 627 MA's), (94, 22354), (101, 22381), (128, 22453), (155, 22573), (164, 22603), (175, 22651), (199, 22720),

Gene: HaveUMetTed_31 Start: 22272, Stop: 22715, Start Num: 74
Candidate Starts for HaveUMetTed_31:

(Start: 74 @22272 has 627 MA's), (94, 22341), (101, 22368), (128, 22440), (155, 22560), (164, 22590), (175, 22638), (199, 22707),

Gene: Heathen_28 Start: 21564, Stop: 22007, Start Num: 74
Candidate Starts for Heathen_28:
(29, 21378), (Start: 60 @21537 has 1 MA's), (Start: 74 @21564 has 627 MA's), (94, 21633), (101, 21660), (155, 21852), (158, 21858), (164, 21882), (175, 21930), (199, 21999),

Gene: Heffalump_31 Start: 23827, Stop: 24273, Start Num: 79
Candidate Starts for Heffalump_31:
(Start: 79 @23827 has 56 MA's), (Start: 96 @23902 has 1 MA's), (113, 23962), (153, 24094), (175, 24193), (184, 24220), (197, 24250),

Gene: HelDan_28 Start: 21816, Stop: 22259, Start Num: 74
Candidate Starts for HelDan_28:
(29, 21630), (Start: 60 @21789 has 1 MA's), (Start: 74 @21816 has 627 MA's), (94, 21885), (101, 21912), (155, 22104), (158, 22110), (164, 22134), (175, 22182), (199, 22251),

Gene: Heliosoles_30 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Heliosoles_30:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Helmet_32 Start: 21765, Stop: 22217, Start Num: 72
Candidate Starts for Helmet_32:
(Start: 72 @21765 has 121 MA's), (89, 21822), (Start: 96 @21846 has 1 MA's), (124, 21930), (153, 22038), (164, 22089), (175, 22137), (182, 22152),

Gene: Herbertwm_26 Start: 20602, Stop: 21051, Start Num: 74
Candidate Starts for Herbertwm_26:
(Start: 74 @20602 has 627 MA's), (89, 20656), (Start: 96 @20680 has 1 MA's), (153, 20872), (175, 20971), (184, 20998), (197, 21028),

Gene: Hercules11_30 Start: 22205, Stop: 22648, Start Num: 74
Candidate Starts for Hercules11_30:
(Start: 74 @22205 has 627 MA's), (94, 22274), (101, 22301), (128, 22373), (155, 22493), (164, 22523), (175, 22571), (199, 22640),

Gene: Hermia_31 Start: 24455, Stop: 24901, Start Num: 74
Candidate Starts for Hermia_31:
(Start: 74 @24455 has 627 MA's), (Start: 82 @24467 has 8 MA's), (104, 24569), (105, 24572), (122, 24614), (124, 24620), (183, 24848),

Gene: HermioneGrange_28 Start: 22901, Stop: 23347, Start Num: 74
Candidate Starts for HermioneGrange_28:
(Start: 74 @22901 has 627 MA's), (104, 23015), (105, 23018), (122, 23060), (124, 23066), (183, 23294),

Gene: Hexamo_32 Start: 21733, Stop: 22185, Start Num: 72
Candidate Starts for Hexamo_32:
(Start: 72 @21733 has 121 MA's), (89, 21790), (Start: 96 @21814 has 1 MA's), (124, 21898), (153, 22006), (164, 22057), (175, 22105), (182, 22120),

Gene: Hexbug_21 Start: 17464, Stop: 17856, Start Num: 69
Candidate Starts for Hexbug_21:
(52, 17410), (Start: 69 @17464 has 26 MA's), (83, 17485), (92, 17536), (93, 17539), (98, 17554), (111, 17575), (117, 17590), (126, 17611), (139, 17653), (158, 17719), (169, 17761), (171, 17770), (173, 17782),

Gene: HippoHollow_30 Start: 23756, Stop: 24199, Start Num: 79
Candidate Starts for HippoHollow_30:
(Start: 79 @23756 has 56 MA's), (Start: 96 @23831 has 1 MA's), (113, 23891), (153, 24023), (155, 24044), (164, 24074), (175, 24122), (184, 24149), (197, 24179), (200, 24191),

Gene: HippoPololi_21 Start: 18335, Stop: 18721, Start Num: 71
Candidate Starts for HippoPololi_21:
(Start: 71 @18335 has 35 MA's), (92, 18407), (93, 18410), (108, 18440), (111, 18446), (117, 18461), (120, 18467), (121, 18470), (131, 18491), (153, 18563), (169, 18632), (173, 18653),

Gene: Hiraya_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Hiraya_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Hiro_24 Start: 18244, Stop: 18684, Start Num: 80
Candidate Starts for Hiro_24:
(27, 18025), (32, 18046), (50, 18163), (59, 18196), (Start: 80 @18244 has 82 MA's), (86, 18271), (122, 18397), (128, 18412), (134, 18439), (158, 18535), (169, 18574),

Gene: Holex_31 Start: 23561, Stop: 24010, Start Num: 72
Candidate Starts for Holex_31:
(Start: 72 @23561 has 121 MA's), (Start: 96 @23642 has 1 MA's), (155, 23855), (164, 23885), (175, 23933), (197, 23990),

Gene: Holli_28 Start: 21417, Stop: 21863, Start Num: 74
Candidate Starts for Holli_28:
(Start: 74 @21417 has 627 MA's), (94, 21486), (Start: 96 @21492 has 1 MA's), (101, 21513), (Start: 107 @21534 has 4 MA's), (128, 21585), (155, 21705), (164, 21735), (171, 21759), (175, 21783), (176, 21786), (197, 21840),

Gene: Homines_28 Start: 23226, Stop: 23672, Start Num: 74
Candidate Starts for Homines_28:
(Start: 74 @23226 has 627 MA's), (104, 23340), (105, 23343), (122, 23385), (124, 23391), (183, 23619),

Gene: Hookmount_29 Start: 22278, Stop: 22721, Start Num: 74
Candidate Starts for Hookmount_29:
(Start: 74 @22278 has 627 MA's), (94, 22347), (101, 22374), (128, 22446), (155, 22566), (164, 22596), (175, 22644),

Gene: Hoot_32 Start: 21743, Stop: 22195, Start Num: 72
Candidate Starts for Hoot_32:
(Start: 72 @21743 has 121 MA's), (89, 21800), (Start: 96 @21824 has 1 MA's), (124, 21908), (153, 22016), (164, 22067), (175, 22115), (182, 22130),

Gene: Horseradish_20 Start: 16993, Stop: 17382, Start Num: 71

Candidate Starts for Horseradish_20:
(Start: 62 @16984 has 9 MA's), (Start: 71 @16993 has 35 MA's), (92, 17065), (93, 17068), (98, 17083), (111, 17104), (117, 17119), (120, 17125), (131, 17149), (169, 17290), (173, 17311), (185, 17353),

Gene: HortumSL17_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for HortumSL17_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Houdini22_28 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for Houdini22_28:
(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: HuhtaEnerson15_25 Start: 21468, Stop: 21932, Start Num: 74
Candidate Starts for HuhtaEnerson15_25:
(Start: 74 @21468 has 627 MA's), (165, 21792), (169, 21804), (180, 21846), (186, 21867), (197, 21894), (198, 21903),

Gene: Hutc2_29 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Hutc2_29:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Huxley_28 Start: 21691, Stop: 22137, Start Num: 74
Candidate Starts for Huxley_28:
(Start: 74 @21691 has 627 MA's), (94, 21760), (Start: 96 @21766 has 1 MA's), (101, 21787), (Start: 107 @21808 has 4 MA's), (128, 21859), (155, 21979), (164, 22009), (171, 22033), (175, 22057), (176, 22060), (197, 22114),

Gene: ICleared_28 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for ICleared_28:
(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994),

Gene: ILeeKay_30 Start: 23106, Stop: 23552, Start Num: 74
Candidate Starts for ILeeKay_30:
(Start: 74 @23106 has 627 MA's), (Start: 82 @23118 has 8 MA's), (104, 23220), (105, 23223), (122, 23265), (124, 23271), (183, 23499),

Gene: Iceman_29 Start: 21916, Stop: 22362, Start Num: 74
Candidate Starts for Iceman_29:
(Start: 74 @21916 has 627 MA's), (94, 21985), (Start: 96 @21991 has 1 MA's), (101, 22012), (Start: 107 @22033 has 4 MA's), (128, 22084), (155, 22204), (164, 22234), (171, 22258), (175, 22282), (176, 22285), (197, 22339),

Gene: Ichabod_29 Start: 23130, Stop: 23576, Start Num: 74
Candidate Starts for Ichabod_29:
(Start: 74 @23130 has 627 MA's), (Start: 82 @23142 has 8 MA's), (104, 23244), (105, 23247), (122, 23289), (124, 23295), (183, 23523),

Gene: Idleandcovert_28 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for Idleandcovert_28:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: IgnatiusPatJac_28 Start: 23188, Stop: 23634, Start Num: 74
Candidate Starts for IgnatiusPatJac_28:
(Start: 74 @23188 has 627 MA's), (104, 23302), (105, 23305), (122, 23347), (124, 23353), (183, 23581),

Gene: Imbriano_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for Imbriano_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: Indra_32 Start: 21766, Stop: 22218, Start Num: 72
Candidate Starts for Indra_32:
(Start: 72 @21766 has 121 MA's), (89, 21823), (Start: 96 @21847 has 1 MA's), (124, 21931), (153, 22039), (164, 22090), (175, 22138), (182, 22153),

Gene: Insomnia_29 Start: 22622, Stop: 23128, Start Num: 39
Candidate Starts for Insomnia_29:
(Start: 39 @22622 has 1 MA's), (Start: 78 @22685 has 34 MA's), (Start: 96 @22760 has 1 MA's), (153, 22952), (155, 22973), (175, 23051), (198, 23117),

Gene: Inyanga_27 Start: 22709, Stop: 23155, Start Num: 74
Candidate Starts for Inyanga_27:
(Start: 74 @22709 has 627 MA's), (Start: 82 @22721 has 8 MA's), (104, 22823), (105, 22826), (122, 22868), (124, 22874), (183, 23102),

Gene: Iqorha_27 Start: 22708, Stop: 23154, Start Num: 74
Candidate Starts for Iqorha_27:
(Start: 74 @22708 has 627 MA's), (Start: 82 @22720 has 8 MA's), (104, 22822), (105, 22825), (122, 22867), (124, 22873), (183, 23101),

Gene: Iracema64_29 Start: 21938, Stop: 22384, Start Num: 74
Candidate Starts for Iracema64_29:
(Start: 74 @21938 has 627 MA's), (94, 22007), (Start: 96 @22013 has 1 MA's), (101, 22034), (Start: 107 @22055 has 4 MA's), (128, 22106), (155, 22226), (164, 22256), (171, 22280), (175, 22304), (176, 22307), (197, 22361),

Gene: IronMan_31 Start: 23534, Stop: 23980, Start Num: 72
Candidate Starts for IronMan_31:
(Start: 72 @23534 has 121 MA's), (Start: 96 @23609 has 1 MA's), (106, 23648), (113, 23669), (153, 23801), (164, 23852), (175, 23900), (184, 23927), (197, 23957),

Gene: Isca_28 Start: 21670, Stop: 22140, Start Num: 60
Candidate Starts for Isca_28:
(29, 21511), (Start: 60 @21670 has 1 MA's), (Start: 74 @21697 has 627 MA's), (94, 21766), (101, 21793), (155, 21985), (158, 21991), (164, 22015), (175, 22063), (199, 22132),

Gene: Isiphiwo_32 Start: 21835, Stop: 22287, Start Num: 72
Candidate Starts for Isiphiwo_32:

(Start: 72 @21835 has 121 MA's), (89, 21892), (Start: 96 @21916 has 1 MA's), (124, 22000), (153, 22108), (164, 22159), (175, 22207), (182, 22222),

Gene: Itos_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Itos_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Iwokeuplikedis_30 Start: 21724, Stop: 22167, Start Num: 79
Candidate Starts for Iwokeuplikedis_30:
(41, 21679), (Start: 79 @21724 has 56 MA's), (Start: 96 @21799 has 1 MA's), (153, 21991), (155, 22012), (175, 22090), (184, 22117), (197, 22147), (200, 22159),

Gene: JC27_30 Start: 23842, Stop: 24288, Start Num: 74
Candidate Starts for JC27_30:
(Start: 74 @23842 has 627 MA's), (104, 23956), (105, 23959), (122, 24001), (124, 24007), (183, 24235),

Gene: JF2_28 Start: 21448, Stop: 21891, Start Num: 74
Candidate Starts for JF2_28:
(29, 21262), (Start: 60 @21421 has 1 MA's), (Start: 74 @21448 has 627 MA's), (94, 21517), (101, 21544), (155, 21736), (158, 21742), (164, 21766), (175, 21814), (199, 21883),

Gene: JF4_28 Start: 21448, Stop: 21891, Start Num: 74
Candidate Starts for JF4_28:
(29, 21262), (Start: 60 @21421 has 1 MA's), (Start: 74 @21448 has 627 MA's), (94, 21517), (101, 21544), (155, 21736), (158, 21742), (164, 21766), (175, 21814), (199, 21883),

Gene: JHC117_30 Start: 22196, Stop: 22639, Start Num: 74
Candidate Starts for JHC117_30:
(Start: 74 @22196 has 627 MA's), (94, 22265), (101, 22292), (128, 22364), (155, 22484), (164, 22514), (175, 22562), (199, 22631),

Gene: JSwag_31 Start: 20951, Stop: 21394, Start Num: 74
Candidate Starts for JSwag_31:
(Start: 74 @20951 has 627 MA's), (83, 20960), (94, 21020), (Start: 96 @21026 has 1 MA's), (115, 21089), (130, 21128), (164, 21269), (175, 21317),

Gene: Jaan_32 Start: 23923, Stop: 24369, Start Num: 72
Candidate Starts for Jaan_32:
(Start: 72 @23923 has 121 MA's), (Start: 96 @23998 has 1 MA's), (106, 24037), (113, 24058), (153, 24190), (164, 24241), (175, 24289), (184, 24316),

Gene: Jabbawokkie_22 Start: 15931, Stop: 16296, Start Num: 78
Candidate Starts for Jabbawokkie_22:
(43, 15823), (54, 15877), (Start: 78 @15931 has 34 MA's), (91, 15991), (93, 15997), (98, 16012), (108, 16027), (111, 16033), (120, 16054), (121, 16057), (158, 16174), (170, 16216), (176, 16249),

Gene: Jabiru_25 Start: 20839, Stop: 21303, Start Num: 74
Candidate Starts for Jabiru_25:
(Start: 74 @20839 has 627 MA's), (180, 21217), (181, 21220), (197, 21265), (198, 21274),

Gene: Jabith_29 Start: 22685, Stop: 23128, Start Num: 78

Candidate Starts for Jabith_29:
(Start: 78 @22685 has 34 MA's), (Start: 96 @22760 has 1 MA's), (153, 22952), (155, 22973), (175, 23051), (198, 23117),

Gene: JackSparrow_29 Start: 23304, Stop: 23750, Start Num: 74
Candidate Starts for JackSparrow_29:
(Start: 74 @23304 has 627 MA's), (104, 23418), (105, 23421), (122, 23463), (124, 23469), (183, 23697),

Gene: Jamzy_22 Start: 16788, Stop: 17180, Start Num: 69
Candidate Starts for Jamzy_22:
(52, 16734), (Start: 69 @16788 has 26 MA's), (83, 16809), (93, 16863), (98, 16878), (111, 16899), (117, 16914), (169, 17085), (171, 17094), (173, 17106),

Gene: Jasper_29 Start: 22783, Stop: 23229, Start Num: 74
Candidate Starts for Jasper_29:
(Start: 74 @22783 has 627 MA's), (Start: 82 @22795 has 8 MA's), (104, 22897), (105, 22900), (122, 22942), (124, 22948), (183, 23176),

Gene: Jaykayelowell_28 Start: 21623, Stop: 22069, Start Num: 74
Candidate Starts for Jaykayelowell_28:
(Start: 74 @21623 has 627 MA's), (94, 21692), (Start: 96 @21698 has 1 MA's), (101, 21719), (Start: 107 @21740 has 4 MA's), (128, 21791), (155, 21911), (164, 21941), (171, 21965), (175, 21989), (176, 21992), (197, 22046),

Gene: Jeeves_29 Start: 21242, Stop: 21691, Start Num: 72
Candidate Starts for Jeeves_29:
(Start: 72 @21242 has 121 MA's), (Start: 96 @21320 has 1 MA's), (153, 21512), (164, 21563), (175, 21611), (184, 21638), (197, 21668),

Gene: Jeffabunny_32 Start: 21785, Stop: 22237, Start Num: 72
Candidate Starts for Jeffabunny_32:
(Start: 72 @21785 has 121 MA's), (89, 21842), (Start: 96 @21866 has 1 MA's), (124, 21950), (153, 22058), (164, 22109), (175, 22157), (182, 22172),

Gene: JenCasNa_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for JenCasNa_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: JeppNRM_31 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for JeppNRM_31:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643), (199, 22712),

Gene: Jerm_31 Start: 22422, Stop: 22868, Start Num: 79
Candidate Starts for Jerm_31:
(Start: 42 @22383 has 1 MA's), (Start: 79 @22422 has 56 MA's), (Start: 96 @22497 has 1 MA's), (113, 22557), (153, 22689), (175, 22788), (184, 22815),

Gene: Jerm2_29 Start: 23173, Stop: 23619, Start Num: 74
Candidate Starts for Jerm2_29:

(Start: 74 @23173 has 627 MA's), (104, 23287), (105, 23290), (122, 23332), (124, 23338), (183, 23566),

Gene: Jester_24 Start: 17932, Stop: 18372, Start Num: 80
Candidate Starts for Jester_24:
(27, 17713), (32, 17734), (50, 17851), (Start: 80 @17932 has 82 MA's), (86, 17959), (122, 18085), (128, 18100), (134, 18127), (158, 18223), (169, 18262),

Gene: JetBlade_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for JetBlade_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: JewelBug_32 Start: 21769, Stop: 22221, Start Num: 72
Candidate Starts for JewelBug_32:
(Start: 72 @21769 has 121 MA's), (89, 21826), (Start: 96 @21850 has 1 MA's), (124, 21934), (153, 22042), (164, 22093), (175, 22141), (182, 22156),

Gene: Jiawan_31 Start: 23593, Stop: 24042, Start Num: 72
Candidate Starts for Jiawan_31:
(Start: 72 @23593 has 121 MA's), (Start: 96 @23674 has 1 MA's), (155, 23887), (164, 23917), (175, 23965), (197, 24022),

Gene: Jobu08_30 Start: 22270, Stop: 22713, Start Num: 74
Candidate Starts for Jobu08_30:
(Start: 74 @22270 has 627 MA's), (94, 22339), (101, 22366), (128, 22438), (155, 22558), (164, 22588), (175, 22636), (199, 22705),

Gene: Jobypre_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for Jobypre_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: JoeDirt_19 Start: 18532, Stop: 18978, Start Num: 80
Candidate Starts for JoeDirt_19:
(Start: 80 @18532 has 82 MA's), (88, 18577), (91, 18589), (114, 18658), (125, 18682), (131, 18694), (161, 18823), (163, 18826), (169, 18847), (173, 18868), (196, 18940), (201, 18958), (203, 18970),

Gene: JoongJeon_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for JoongJeon_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Jordennis_32 Start: 21754, Stop: 22206, Start Num: 72
Candidate Starts for Jordennis_32:
(Start: 72 @21754 has 121 MA's), (89, 21811), (Start: 96 @21835 has 1 MA's), (124, 21919), (153, 22027), (164, 22078), (175, 22126), (182, 22141),

Gene: Jorgensen_28 Start: 22837, Stop: 23283, Start Num: 74
Candidate Starts for Jorgensen_28:

(Start: 74 @22837 has 627 MA's), (104, 22951), (105, 22954), (122, 22996), (124, 23002), (183, 23230),

Gene: Joselito_29 Start: 22633, Stop: 23076, Start Num: 78
Candidate Starts for Joselito_29:
(Start: 39 @22570 has 1 MA's), (Start: 78 @22633 has 34 MA's), (Start: 96 @22708 has 1 MA's), (153, 22900), (155, 22921), (175, 22999), (198, 23065),

Gene: JoshKayV_31 Start: 22392, Stop: 22838, Start Num: 79
Candidate Starts for JoshKayV_31:
(15, 22080), (19, 22170), (28, 22257), (Start: 42 @22353 has 1 MA's), (Start: 79 @22392 has 56 MA's), (Start: 96 @22467 has 1 MA's), (113, 22527), (153, 22659), (175, 22758), (184, 22785), (197, 22815),

Gene: Journey13_27 Start: 21141, Stop: 21584, Start Num: 74
Candidate Starts for Journey13_27:
(Start: 74 @21141 has 627 MA's), (113, 21276), (153, 21408), (164, 21459), (175, 21507), (197, 21564),

Gene: Jovo_25 Start: 21658, Stop: 22122, Start Num: 74
Candidate Starts for Jovo_25:
(Start: 74 @21658 has 627 MA's), (106, 21775), (152, 21919), (180, 22036), (181, 22039), (189, 22063), (198, 22093),

Gene: Jsquared_28 Start: 20955, Stop: 21398, Start Num: 74
Candidate Starts for Jsquared_28:
(Start: 42 @20913 has 1 MA's), (Start: 74 @20955 has 627 MA's), (Start: 96 @21030 has 1 MA's), (106, 21069), (113, 21090), (153, 21222), (164, 21273), (175, 21321), (197, 21378),

Gene: Jubie_20 Start: 19276, Stop: 19725, Start Num: 80
Candidate Starts for Jubie_20:
(Start: 80 @19276 has 82 MA's), (88, 19321), (91, 19333), (95, 19348), (114, 19405), (120, 19417), (125, 19429), (131, 19441), (135, 19465), (139, 19474), (147, 19492), (159, 19561), (161, 19570), (201, 19705),

Gene: Juicebox_20 Start: 19400, Stop: 19786, Start Num: 77
Candidate Starts for Juicebox_20:
(Start: 77 @19400 has 2 MA's), (86, 19430), (117, 19517), (127, 19541), (155, 19640),

Gene: JuliaChild_30 Start: 23482, Stop: 23928, Start Num: 74
Candidate Starts for JuliaChild_30:
(Start: 74 @23482 has 627 MA's), (104, 23596), (105, 23599), (122, 23641), (124, 23647), (183, 23875),

Gene: Junimo_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Junimo_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: KADY_31 Start: 22282, Stop: 22725, Start Num: 74
Candidate Starts for KADY_31:
(Start: 74 @22282 has 627 MA's), (94, 22351), (101, 22378), (128, 22450), (155, 22570), (164, 22600), (175, 22648), (199, 22717),

Gene: KBG_29 Start: 23836, Stop: 24282, Start Num: 74
Candidate Starts for KBG_29:
(Start: 74 @23836 has 627 MA's), (Start: 82 @23848 has 8 MA's), (104, 23950), (105, 23953), (122, 23995), (124, 24001), (183, 24229),

Gene: KFPoly_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for KFPoly_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: KSSJEB_28 Start: 22730, Stop: 23176, Start Num: 74
Candidate Starts for KSSJEB_28:
(Start: 74 @22730 has 627 MA's), (Start: 82 @22742 has 8 MA's), (104, 22844), (105, 22847), (122, 22889), (124, 22895), (183, 23123),

Gene: Kachowdy_28 Start: 21816, Stop: 22259, Start Num: 74
Candidate Starts for Kachowdy_28:
(29, 21630), (Start: 60 @21789 has 1 MA's), (Start: 74 @21816 has 627 MA's), (94, 21885), (101, 21912), (155, 22104), (158, 22110), (164, 22134), (175, 22182), (199, 22251),

Gene: Kahlid_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for Kahlid_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: Kalb97_31 Start: 22278, Stop: 22721, Start Num: 74
Candidate Starts for Kalb97_31:
(Start: 74 @22278 has 627 MA's), (94, 22347), (101, 22374), (128, 22446), (155, 22566), (164, 22596), (175, 22644), (199, 22713),

Gene: Kalnoky_31 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Kalnoky_31:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Kalpine_32 Start: 23773, Stop: 24219, Start Num: 72
Candidate Starts for Kalpine_32:
(45, 23749), (Start: 72 @23773 has 121 MA's), (Start: 96 @23848 has 1 MA's), (97, 23851), (106, 23887), (113, 23908), (153, 24040), (155, 24061), (164, 24091), (175, 24139), (184, 24166), (197, 24196),

Gene: Kampy_28 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for Kampy_28:
(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994),

Gene: Kanely_29 Start: 23540, Stop: 23986, Start Num: 74
Candidate Starts for Kanely_29:
(Start: 74 @23540 has 627 MA's), (104, 23654), (105, 23657), (122, 23699), (124, 23705), (183, 23933),

Gene: Katalie136_28 Start: 21648, Stop: 22094, Start Num: 74
Candidate Starts for Katalie136_28:
(Start: 74 @21648 has 627 MA's), (94, 21717), (101, 21744), (106, 21762), (128, 21816), (155, 21936), (164, 21966), (169, 21981), (175, 22014),

Gene: KatherineG_31 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for KatherineG_31:
(Start: 74 @21087 has 627 MA's), (83, 21096), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: KayGee_19 Start: 17112, Stop: 17501, Start Num: 69
Candidate Starts for KayGee_19:
(52, 17058), (Start: 69 @17112 has 26 MA's), (83, 17133), (93, 17187), (95, 17193), (98, 17202), (111, 17223), (126, 17259), (153, 17340), (167, 17400), (169, 17409), (173, 17430),

Gene: Kazan_32 Start: 21770, Stop: 22222, Start Num: 72
Candidate Starts for Kazan_32:
(Start: 72 @21770 has 121 MA's), (89, 21827), (Start: 96 @21851 has 1 MA's), (124, 21935), (153, 22043), (164, 22094), (175, 22142), (182, 22157),

Gene: Keelan_52 Start: 29645, Stop: 30055, Start Num: 64
Candidate Starts for Keelan_52:
(Start: 64 @29645 has 1 MA's), (Start: 81 @29663 has 32 MA's), (93, 29723), (95, 29729), (108, 29753), (117, 29774), (121, 29783), (126, 29795), (151, 29888), (155, 29933), (163, 29960), (172, 29990), (187, 30047),

Gene: KekoraPapaka_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for KekoraPapaka_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Kenmech_31 Start: 24246, Stop: 24692, Start Num: 74
Candidate Starts for Kenmech_31:
(Start: 74 @24246 has 627 MA's), (104, 24360), (105, 24363), (122, 24405), (124, 24411), (183, 24639),

Gene: Kerberos_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for Kerberos_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: Keziacharles14_29 Start: 21647, Stop: 22096, Start Num: 72
Candidate Starts for Keziacharles14_29:
(Start: 72 @21647 has 121 MA's), (Start: 96 @21725 has 1 MA's), (118, 21794), (141, 21869), (153, 21917), (162, 21962), (164, 21968), (175, 22016),

Gene: KikiBouba_31 Start: 24264, Stop: 24710, Start Num: 74
Candidate Starts for KikiBouba_31:
(Start: 74 @24264 has 627 MA's), (Start: 82 @24276 has 8 MA's), (104, 24378), (105, 24381), (122, 24423), (124, 24429), (183, 24657),

Gene: Killigrew_26 Start: 22452, Stop: 22898, Start Num: 74
Candidate Starts for Killigrew_26:
(Start: 74 @22452 has 627 MA's), (Start: 82 @22464 has 8 MA's), (104, 22566), (105, 22569), (122, 22611), (124, 22617), (183, 22845),

Gene: Kimba_29 Start: 22685, Stop: 23128, Start Num: 78
Candidate Starts for Kimba_29:
(Start: 78 @22685 has 34 MA's), (Start: 96 @22760 has 1 MA's), (153, 22952), (155, 22973), (175, 23051), (198, 23117),

Gene: Kimona_25 Start: 19711, Stop: 20160, Start Num: 74
Candidate Starts for Kimona_25:
(Start: 74 @19711 has 627 MA's), (101, 19810), (105, 19825), (169, 20047), (171, 20056), (175, 20080),

Gene: KingCyrus_31 Start: 22389, Stop: 22835, Start Num: 79
Candidate Starts for KingCyrus_31:
(15, 22077), (19, 22167), (28, 22254), (Start: 42 @22350 has 1 MA's), (Start: 79 @22389 has 56 MA's), (Start: 96 @22464 has 1 MA's), (113, 22524), (153, 22656), (175, 22755), (184, 22782), (197, 22812),

Gene: Kingmustik0402_28 Start: 21619, Stop: 22065, Start Num: 74
Candidate Starts for Kingmustik0402_28:
(Start: 74 @21619 has 627 MA's), (94, 21688), (Start: 96 @21694 has 1 MA's), (101, 21715), (Start: 107 @21736 has 4 MA's), (128, 21787), (155, 21907), (164, 21937), (171, 21961), (175, 21985), (176, 21988), (197, 22042),

Gene: Kingsolomon_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for Kingsolomon_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: Kinmap_29 Start: 21589, Stop: 22038, Start Num: 72
Candidate Starts for Kinmap_29:
(Start: 72 @21589 has 121 MA's), (153, 21859), (164, 21910), (175, 21958), (184, 21985), (197, 22015),

Gene: Kipper29_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for Kipper29_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: KirDoubleO7_18 Start: 19269, Stop: 19718, Start Num: 80
Candidate Starts for KirDoubleO7_18:
(Start: 80 @19269 has 82 MA's), (88, 19314), (91, 19326), (95, 19341), (114, 19398), (125, 19422), (131, 19434), (135, 19458), (147, 19485), (159, 19554), (161, 19563), (201, 19698),

Gene: KittenMittens_27 Start: 19689, Stop: 20135, Start Num: 74
Candidate Starts for KittenMittens_27:
(Start: 74 @19689 has 627 MA's), (94, 19758), (101, 19785), (128, 19857), (164, 20007), (175, 20055),

Gene: Klodlith_29 Start: 21505, Stop: 21954, Start Num: 72
Candidate Starts for Klodlith_29:

(Start: 72 @21505 has 121 MA's), (Start: 96 @21583 has 1 MA's), (164, 21826), (175, 21874),

Gene: Koan_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Koan_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Koduck_30 Start: 21194, Stop: 21637, Start Num: 74
Candidate Starts for Koduck_30:
(Start: 74 @21194 has 627 MA's), (89, 21245), (Start: 96 @21269 has 1 MA's), (113, 21329), (164, 21512), (175, 21560), (200, 21629),

Gene: Koko_32 Start: 22102, Stop: 22554, Start Num: 72
Candidate Starts for Koko_32:
(Start: 72 @22102 has 121 MA's), (89, 22159), (Start: 96 @22183 has 1 MA's), (124, 22267), (153, 22375), (164, 22426), (175, 22474), (182, 22489),

Gene: Koreni_27 Start: 21273, Stop: 21719, Start Num: 74
Candidate Starts for Koreni_27:
(Start: 74 @21273 has 627 MA's), (94, 21342), (Start: 96 @21348 has 1 MA's), (101, 21369), (Start: 107 @21390 has 4 MA's), (128, 21441), (155, 21561), (164, 21591), (171, 21615), (175, 21639), (176, 21642), (197, 21696),

Gene: Kratark_28 Start: 21622, Stop: 22068, Start Num: 74
Candidate Starts for Kratark_28:
(Start: 74 @21622 has 627 MA's), (94, 21691), (Start: 96 @21697 has 1 MA's), (101, 21718), (Start: 107 @21739 has 4 MA's), (128, 21790), (155, 21910), (164, 21940), (171, 21964), (175, 21988), (176, 21991), (197, 22045),

Gene: Kremtemulon_28 Start: 21675, Stop: 22121, Start Num: 74
Candidate Starts for Kremtemulon_28:
(Start: 74 @21675 has 627 MA's), (94, 21744), (Start: 96 @21750 has 1 MA's), (101, 21771), (Start: 107 @21792 has 4 MA's), (128, 21843), (155, 21963), (164, 21993), (171, 22017), (175, 22041), (176, 22044), (197, 22098),

Gene: Krishelle_24 Start: 18259, Stop: 18699, Start Num: 80
Candidate Starts for Krishelle_24:
(27, 18040), (32, 18061), (50, 18178), (59, 18211), (Start: 80 @18259 has 82 MA's), (86, 18286), (122, 18412), (128, 18427), (134, 18454), (158, 18550), (169, 18589),

Gene: Kristoff_29 Start: 21786, Stop: 22232, Start Num: 74
Candidate Starts for Kristoff_29:
(Start: 74 @21786 has 627 MA's), (94, 21855), (101, 21882), (128, 21954), (164, 22104), (175, 22152),

Gene: Kropertea_19 Start: 18383, Stop: 18835, Start Num: 80
Candidate Starts for Kropertea_19:
(Start: 80 @18383 has 82 MA's), (88, 18428), (91, 18440), (125, 18539), (131, 18551), (143, 18590), (159, 18671), (161, 18680), (172, 18716), (188, 18776), (201, 18815),

Gene: Krypton555_20 Start: 19198, Stop: 19647, Start Num: 80
Candidate Starts for Krypton555_20:

(Start: 80 @19198 has 82 MA's), (88, 19243), (91, 19255), (114, 19327), (125, 19351), (131, 19363), (135, 19387), (139, 19396), (147, 19414), (159, 19483), (161, 19492), (163, 19495), (201, 19627),

Gene: Kudefre_28 Start: 23553, Stop: 24017, Start Num: 73
Candidate Starts for Kudefre_28:
(Start: 67 @23544 has 4 MA's), (Start: 73 @23553 has 4 MA's), (86, 23586), (103, 23655), (108, 23664), (116, 23682), (117, 23685), (131, 23715), (135, 23739), (140, 23751), (153, 23811), (156, 23832), (160, 23850), (173, 23901), (183, 23937), (187, 23949), (194, 23970), (201, 23991),

Gene: Kugel_29 Start: 23113, Stop: 23559, Start Num: 74
Candidate Starts for Kugel_29:
(Start: 74 @23113 has 627 MA's), (104, 23227), (105, 23230), (122, 23272), (124, 23278), (183, 23506),

Gene: KyMonks1A_30 Start: 23279, Stop: 23725, Start Num: 74
Candidate Starts for KyMonks1A_30:
(Start: 74 @23279 has 627 MA's), (Start: 82 @23291 has 8 MA's), (104, 23393), (105, 23396), (122, 23438), (124, 23444), (183, 23672),

Gene: Kyee_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Kyee_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: Kykar_28 Start: 22901, Stop: 23347, Start Num: 74
Candidate Starts for Kykar_28:
(Start: 74 @22901 has 627 MA's), (104, 23015), (105, 23018), (122, 23060), (124, 23066), (183, 23294),

Gene: L5_29 Start: 21148, Stop: 21591, Start Num: 74
Candidate Starts for L5_29:
(Start: 74 @21148 has 627 MA's), (89, 21199), (Start: 96 @21223 has 1 MA's), (113, 21283), (164, 21466), (175, 21514), (200, 21583),

Gene: LBerry_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for LBerry_30:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: LHTSCC_29 Start: 21941, Stop: 22387, Start Num: 74
Candidate Starts for LHTSCC_29:
(Start: 74 @21941 has 627 MA's), (94, 22010), (Start: 96 @22016 has 1 MA's), (101, 22037), (Start: 107 @22058 has 4 MA's), (128, 22109), (155, 22229), (164, 22259), (171, 22283), (175, 22307), (176, 22310),

Gene: LadyBird_29 Start: 21960, Stop: 22406, Start Num: 79
Candidate Starts for LadyBird_29:
(17, 21729), (22, 21786), (28, 21825), (41, 21915), (Start: 42 @21921 has 1 MA's), (Start: 79 @21960 has 56 MA's), (Start: 96 @22035 has 1 MA's), (113, 22095), (153, 22227), (155, 22248), (175, 22326), (184, 22353), (197, 22383),

Gene: Lambert1_29 Start: 22277, Stop: 22720, Start Num: 74

Candidate Starts for Lambert1_29:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Lamina13_28 Start: 22550, Stop: 22996, Start Num: 74
Candidate Starts for Lamina13_28:
(Start: 74 @22550 has 627 MA's), (Start: 82 @22562 has 8 MA's), (104, 22664), (105, 22667), (122, 22709), (124, 22715), (183, 22943),

Gene: Landor_30 Start: 23575, Stop: 24021, Start Num: 72
Candidate Starts for Landor_30:
(Start: 72 @23575 has 121 MA's), (Start: 96 @23650 has 1 MA's), (106, 23689), (113, 23710), (153, 23842), (164, 23893), (175, 23941), (184, 23968),

Gene: LappelDuVide_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for LappelDuVide_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Larenn_30 Start: 22257, Stop: 22703, Start Num: 79
Candidate Starts for Larenn_30:
(28, 22122), (41, 22212), (Start: 42 @22218 has 1 MA's), (Start: 79 @22257 has 56 MA's), (Start: 96 @22332 has 1 MA's), (106, 22371), (153, 22524), (175, 22623), (184, 22650), (197, 22680),

Gene: LarryKay_30 Start: 22284, Stop: 22727, Start Num: 74
Candidate Starts for LarryKay_30:
(Start: 74 @22284 has 627 MA's), (94, 22353), (101, 22380), (128, 22452), (155, 22572), (164, 22602), (175, 22650), (199, 22719),

Gene: LastResort_31 Start: 20968, Stop: 21411, Start Num: 74
Candidate Starts for LastResort_31:
(Start: 74 @20968 has 627 MA's), (83, 20977), (94, 21037), (Start: 96 @21043 has 1 MA's), (115, 21106), (130, 21145), (164, 21286), (175, 21334),

Gene: Lauer_18 Start: 17161, Stop: 17550, Start Num: 69
Candidate Starts for Lauer_18:
(52, 17107), (Start: 69 @17161 has 26 MA's), (83, 17182), (93, 17236), (95, 17242), (98, 17251), (111, 17272), (126, 17308), (153, 17389), (167, 17449), (169, 17458), (173, 17479),

Gene: LeBron_19 Start: 18576, Stop: 19022, Start Num: 80
Candidate Starts for LeBron_19:
(Start: 80 @18576 has 82 MA's), (88, 18621), (91, 18633), (114, 18702), (125, 18726), (131, 18738), (161, 18867), (163, 18870), (169, 18891), (173, 18912), (196, 18984), (201, 19002), (203, 19014),

Gene: Lederberg_18 Start: 18003, Stop: 18380, Start Num: 82
Candidate Starts for Lederberg_18:
(Start: 82 @18003 has 8 MA's), (84, 18012), (87, 18033), (90, 18054), (Start: 96 @18075 has 1 MA's), (112, 18114), (148, 18210), (157, 18264), (173, 18315), (179, 18336),

Gene: Lemur_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Lemur_28:

(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: LeoAvram_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for LeoAvram_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Leogania_31 Start: 24117, Stop: 24569, Start Num: 72
Candidate Starts for Leogania_31:
(Start: 72 @24117 has 121 MA's), (Start: 96 @24198 has 1 MA's), (153, 24390), (155, 24411), (164, 24441), (175, 24489), (184, 24516),

Gene: Lesedi_27 Start: 22708, Stop: 23154, Start Num: 74
Candidate Starts for Lesedi_27:
(Start: 74 @22708 has 627 MA's), (Start: 82 @22720 has 8 MA's), (104, 22822), (105, 22825), (122, 22867), (124, 22873), (183, 23101),

Gene: Lev2_25 Start: 21290, Stop: 21754, Start Num: 74
Candidate Starts for Lev2_25:
(Start: 74 @21290 has 627 MA's), (165, 21614), (169, 21626), (180, 21668), (198, 21725),

Gene: Levia_28 Start: 23697, Stop: 24143, Start Num: 74
Candidate Starts for Levia_28:
(Start: 74 @23697 has 627 MA's), (Start: 82 @23709 has 8 MA's), (104, 23811), (105, 23814), (122, 23856), (124, 23862), (183, 24090),

Gene: Leviathan_31 Start: 22478, Stop: 22924, Start Num: 79
Candidate Starts for Leviathan_31:
(15, 22166), (19, 22256), (Start: 42 @22439 has 1 MA's), (Start: 79 @22478 has 56 MA's), (Start: 96 @22553 has 1 MA's), (113, 22613), (153, 22745), (175, 22844), (184, 22871),

Gene: Lewan_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Lewan_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Licorice_30 Start: 23937, Stop: 24383, Start Num: 74
Candidate Starts for Licorice_30:
(Start: 74 @23937 has 627 MA's), (104, 24051), (105, 24054), (122, 24096), (124, 24102), (183, 24330),

Gene: LilBib_29 Start: 24150, Stop: 24596, Start Num: 74
Candidate Starts for LilBib_29:
(Start: 74 @24150 has 627 MA's), (Start: 82 @24162 has 8 MA's), (104, 24264), (105, 24267), (122, 24309), (124, 24315), (183, 24543),

Gene: LilDestine_19 Start: 18746, Stop: 19243, Start Num: 81
Candidate Starts for LilDestine_19:
(Start: 81 @18746 has 32 MA's), (86, 18770), (110, 18854), (121, 18881), (125, 18890), (157, 19013), (161, 19031), (172, 19067), (173, 19076), (187, 19124), (201, 19166), (203, 19178),

Gene: LilJank_29 Start: 25416, Stop: 25880, Start Num: 76
Candidate Starts for LilJank_29:
(Start: 76 @25416 has 8 MA's), (86, 25449), (90, 25479), (103, 25518), (108, 25527), (112, 25539), (116, 25545), (117, 25548), (131, 25578), (140, 25614), (149, 25638), (151, 25650), (153, 25674), (162, 25716), (173, 25761), (187, 25809), (191, 25821), (194, 25830), (201, 25851), (202, 25857),

Gene: LilSpotty_19 Start: 16427, Stop: 16867, Start Num: 53
Candidate Starts for LilSpotty_19:
(34, 16319), (Start: 53 @16427 has 1 MA's), (Start: 56 @16436 has 2 MA's), (58, 16442), (88, 16529), (111, 16583), (112, 16589), (119, 16601), (120, 16604), (121, 16607), (133, 16637), (155, 16739), (172, 16799), (181, 16835),

Gene: LilTurb_31 Start: 22481, Stop: 22927, Start Num: 79
Candidate Starts for LilTurb_31:
(15, 22169), (19, 22259), (31, 22361), (Start: 42 @22442 has 1 MA's), (Start: 79 @22481 has 56 MA's), (Start: 96 @22556 has 1 MA's), (113, 22616), (153, 22748), (175, 22847), (184, 22874),

Gene: Lilbunny_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for Lilbunny_32:
(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Lilith_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for Lilith_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: Lilleskat_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Lilleskat_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Lillie_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Lillie_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: LionsBait_30 Start: 23750, Stop: 24193, Start Num: 79
Candidate Starts for LionsBait_30:
(Start: 79 @23750 has 56 MA's), (Start: 96 @23825 has 1 MA's), (113, 23885), (153, 24017), (155, 24038), (164, 24068), (175, 24116), (184, 24143), (197, 24173), (200, 24185),

Gene: LittleB_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for LittleB_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: LittleCherry_25 Start: 21469, Stop: 21933, Start Num: 74
Candidate Starts for LittleCherry_25:
(Start: 74 @21469 has 627 MA's), (165, 21793), (169, 21805), (180, 21847), (197, 21895), (198, 21904),

Gene: LittleGuy_28 Start: 21570, Stop: 22016, Start Num: 74
Candidate Starts for LittleGuy_28:
(Start: 74 @21570 has 627 MA's), (94, 21639), (Start: 96 @21645 has 1 MA's), (Start: 107 @21687 has 4 MA's), (128, 21738), (155, 21858), (164, 21888), (171, 21912), (175, 21936), (176, 21939), (197, 21993),

Gene: LiyuLake_20 Start: 19260, Stop: 19709, Start Num: 80
Candidate Starts for LiyuLake_20:
(Start: 80 @19260 has 82 MA's), (88, 19305), (91, 19317), (95, 19332), (114, 19389), (125, 19413), (131, 19425), (135, 19449), (147, 19476), (159, 19545), (161, 19554), (201, 19689),

Gene: Loadrie_19 Start: 18779, Stop: 19276, Start Num: 81
Candidate Starts for Loadrie_19:
(Start: 81 @18779 has 32 MA's), (86, 18803), (110, 18887), (121, 18914), (125, 18923), (157, 19046), (161, 19064), (172, 19100), (173, 19109), (187, 19157), (201, 19199), (203, 19211),

Gene: LochMonster_28 Start: 21602, Stop: 22048, Start Num: 74
Candidate Starts for LochMonster_28:
(Start: 74 @21602 has 627 MA's), (94, 21671), (Start: 96 @21677 has 1 MA's), (101, 21698), (Start: 107 @21719 has 4 MA's), (128, 21770), (155, 21890), (164, 21920), (171, 21944), (175, 21968), (176, 21971), (197, 22025),

Gene: Lockley_28 Start: 22891, Stop: 23337, Start Num: 74
Candidate Starts for Lockley_28:
(Start: 74 @22891 has 627 MA's), (104, 23005), (105, 23008), (122, 23050), (124, 23056), (183, 23284),

Gene: LogiBear_31 Start: 22227, Stop: 22670, Start Num: 74
Candidate Starts for LogiBear_31:
(Start: 74 @22227 has 627 MA's), (94, 22296), (Start: 96 @22302 has 1 MA's), (162, 22539), (164, 22545), (175, 22593), (184, 22620),

Gene: Lokk_32 Start: 23627, Stop: 24073, Start Num: 75
Candidate Starts for Lokk_32:
(Start: 75 @23627 has 10 MA's), (Start: 96 @23702 has 1 MA's), (113, 23762), (153, 23894), (175, 23993), (184, 24020), (197, 24050),

Gene: Lolly9_20 Start: 19079, Stop: 19528, Start Num: 80
Candidate Starts for Lolly9_20:
(Start: 80 @19079 has 82 MA's), (86, 19106), (88, 19124), (91, 19136), (95, 19151), (114, 19208), (120, 19220), (125, 19232), (131, 19244), (135, 19268), (139, 19277), (159, 19364), (161, 19373), (201, 19508),

Gene: LoneWolf_30 Start: 23150, Stop: 23599, Start Num: 72
Candidate Starts for LoneWolf_30:
(Start: 72 @23150 has 121 MA's), (Start: 96 @23231 has 1 MA's), (155, 23444), (164, 23474), (175, 23522), (184, 23549), (197, 23579),

Gene: Looper_32 Start: 20965, Stop: 21408, Start Num: 74
Candidate Starts for Looper_32:
(Start: 74 @20965 has 627 MA's), (83, 20974), (94, 21034), (Start: 96 @21040 has 1 MA's), (115, 21103), (130, 21142), (164, 21283), (175, 21331),

Gene: Lopton_29 Start: 24352, Stop: 24798, Start Num: 74
Candidate Starts for Lopton_29:
(Start: 74 @24352 has 627 MA's), (104, 24466), (105, 24469), (122, 24511), (124, 24517), (183, 24745),

Gene: Lorenzo_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Lorenzo_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: Loser_32 Start: 23730, Stop: 24179, Start Num: 72
Candidate Starts for Loser_32:
(Start: 72 @23730 has 121 MA's), (Start: 96 @23811 has 1 MA's), (113, 23871), (124, 23895), (153, 24003), (155, 24024), (164, 24054), (175, 24102), (184, 24129), (197, 24159),

Gene: Louie6_30 Start: 22285, Stop: 22728, Start Num: 74
Candidate Starts for Louie6_30:
(Start: 74 @22285 has 627 MA's), (94, 22354), (101, 22381), (128, 22453), (155, 22573), (164, 22603), (175, 22651), (199, 22720),

Gene: Lowa_30 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for Lowa_30:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: Luchador_31 Start: 22469, Stop: 22918, Start Num: 72
Candidate Starts for Luchador_31:
(Start: 72 @22469 has 121 MA's), (Start: 96 @22547 has 1 MA's), (153, 22739), (164, 22790), (175, 22838), (184, 22865), (197, 22895),

Gene: Lucivia_29 Start: 22682, Stop: 23125, Start Num: 78
Candidate Starts for Lucivia_29:
(Start: 78 @22682 has 34 MA's), (Start: 96 @22757 has 1 MA's), (153, 22949), (155, 22970), (175, 23048), (198, 23114),

Gene: Lucyedi_30 Start: 22746, Stop: 23192, Start Num: 74
Candidate Starts for Lucyedi_30:
(51, 22686), (Start: 74 @22746 has 627 MA's), (94, 22818), (Start: 96 @22824 has 1 MA's), (153, 23016), (164, 23067), (175, 23115), (184, 23142),

Gene: LugYA_32 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for LugYA_32:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Lumos_20 Start: 19272, Stop: 19721, Start Num: 80
Candidate Starts for Lumos_20:
(Start: 80 @19272 has 82 MA's), (88, 19317), (91, 19329), (95, 19344), (114, 19401), (120, 19413), (125, 19425), (131, 19437), (135, 19461), (139, 19470), (147, 19488), (159, 19557), (161, 19566), (201, 19701),

Gene: LunarLander_29 Start: 23100, Stop: 23546, Start Num: 74
Candidate Starts for LunarLander_29:
(Start: 74 @23100 has 627 MA's), (104, 23214), (105, 23217), (122, 23259), (124, 23265), (183, 23493),

Gene: Lunsford_29 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Lunsford_29:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Lynnae_19 Start: 18735, Stop: 19232, Start Num: 81
Candidate Starts for Lynnae_19:
(Start: 81 @18735 has 32 MA's), (86, 18759), (110, 18843), (121, 18870), (125, 18879), (157, 19002), (161, 19020), (172, 19056), (173, 19065), (187, 19113), (201, 19155), (203, 19167),

Gene: MA5_28 Start: 21379, Stop: 21822, Start Num: 74
Candidate Starts for MA5_28:
(29, 21193), (Start: 60 @21352 has 1 MA's), (Start: 74 @21379 has 627 MA's), (94, 21448), (101, 21475), (158, 21673), (164, 21697), (175, 21745),

Gene: MAckerman_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for MAckerman_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: MAnor_19 Start: 17120, Stop: 17512, Start Num: 69
Candidate Starts for MAnor_19:
(Start: 69 @17120 has 26 MA's), (83, 17141), (93, 17195), (95, 17201), (98, 17210), (111, 17231), (117, 17246), (126, 17267), (167, 17408), (169, 17417), (173, 17438),

Gene: MK4_28 Start: 21682, Stop: 22125, Start Num: 74
Candidate Starts for MK4_28:
(29, 21496), (Start: 60 @21655 has 1 MA's), (Start: 74 @21682 has 627 MA's), (94, 21751), (101, 21778), (155, 21970), (158, 21976), (164, 22000), (175, 22048), (199, 22117),

Gene: MPlant7149_27 Start: 22527, Stop: 22973, Start Num: 74
Candidate Starts for MPlant7149_27:
(Start: 74 @22527 has 627 MA's), (104, 22641), (105, 22644), (122, 22686), (124, 22692), (183, 22920),

Gene: MScarn_21 Start: 17073, Stop: 17471, Start Num: 62
Candidate Starts for MScarn_21:
(Start: 62 @17073 has 9 MA's), (Start: 71 @17082 has 35 MA's), (92, 17154), (93, 17157), (98, 17172), (111, 17193), (117, 17208), (120, 17214), (131, 17238), (158, 17337), (169, 17379), (173, 17400), (185, 17442),

Gene: MaCh_29 Start: 22624, Stop: 23067, Start Num: 78
Candidate Starts for MaCh_29:
(Start: 39 @22561 has 1 MA's), (Start: 78 @22624 has 34 MA's), (Start: 96 @22699 has 1 MA's), (153, 22891), (155, 22912), (175, 22990), (198, 23056),

Gene: MaVan_21 Start: 18423, Stop: 18809, Start Num: 71

Candidate Starts for MaVan_21:
(Start: 71 @18423 has 35 MA's), (92, 18495), (98, 18513), (111, 18534), (120, 18555), (121, 18558), (131, 18579), (150, 18633), (155, 18672), (163, 18699), (169, 18720), (173, 18741),

Gene: Mabel_29 Start: 22685, Stop: 23128, Start Num: 78
Candidate Starts for Mabel_29:
(Start: 39 @22622 has 1 MA's), (Start: 78 @22685 has 34 MA's), (Start: 96 @22760 has 1 MA's), (153, 22952), (155, 22973), (175, 23051), (198, 23117),

Gene: MadMarie_30 Start: 22200, Stop: 22643, Start Num: 74
Candidate Starts for MadMarie_30:
(Start: 74 @22200 has 627 MA's), (94, 22269), (101, 22296), (128, 22368), (155, 22488), (164, 22518), (175, 22566), (199, 22635),

Gene: Magnar_28 Start: 22677, Stop: 23123, Start Num: 74
Candidate Starts for Magnar_28:
(Start: 74 @22677 has 627 MA's), (104, 22791), (105, 22794), (122, 22836), (124, 22842), (183, 23070),

Gene: Magnito_27 Start: 22429, Stop: 22875, Start Num: 74
Candidate Starts for Magnito_27:
(Start: 74 @22429 has 627 MA's), (Start: 82 @22441 has 8 MA's), (104, 22543), (105, 22546), (122, 22588), (124, 22594), (183, 22822),

Gene: Mainiac_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for Mainiac_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: MajorMajor_28 Start: 20882, Stop: 21325, Start Num: 74
Candidate Starts for MajorMajor_28:
(Start: 74 @20882 has 627 MA's), (Start: 96 @20957 has 1 MA's), (113, 21017), (164, 21200), (175, 21248), (197, 21305),

Gene: Makemake_28 Start: 24145, Stop: 24591, Start Num: 74
Candidate Starts for Makemake_28:
(Start: 74 @24145 has 627 MA's), (104, 24259), (105, 24262), (122, 24304), (124, 24310), (183, 24538),

Gene: Malec_30 Start: 22262, Stop: 22708, Start Num: 79
Candidate Starts for Malec_30:
(20, 22058), (28, 22127), (41, 22217), (Start: 42 @22223 has 1 MA's), (Start: 79 @22262 has 56 MA's), (Start: 96 @22337 has 1 MA's), (106, 22376), (153, 22529), (175, 22628), (184, 22655), (197, 22685),

Gene: Malinsilva_32 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for Malinsilva_32:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: Malvina_21 Start: 18338, Stop: 18724, Start Num: 71
Candidate Starts for Malvina_21:
(Start: 71 @18338 has 35 MA's), (92, 18410), (93, 18413), (108, 18443), (111, 18449), (117, 18464), (120, 18470), (121, 18473), (131, 18494), (153, 18566), (164, 18617), (169, 18635), (173, 18656),

Gene: Maminiaina_30 Start: 23100, Stop: 23549, Start Num: 72
Candidate Starts for Maminiaina_30:
(35, 23019), (Start: 72 @23100 has 121 MA's), (Start: 96 @23181 has 1 MA's), (153, 23373), (155, 23394), (164, 23424), (175, 23472), (184, 23499),

Gene: Manatee_29 Start: 22675, Stop: 23121, Start Num: 74
Candidate Starts for Manatee_29:
(Start: 74 @22675 has 627 MA's), (Start: 82 @22687 has 8 MA's), (104, 22789), (105, 22792), (122, 22834), (124, 22840), (183, 23068),

Gene: Manilisa_24 Start: 20702, Stop: 21088, Start Num: 109
Candidate Starts for Manilisa_24:
(14, 20165), (25, 20348), (26, 20351), (47, 20498), (48, 20501), (85, 20600), (Start: 107 @20696 has 4 MA's), (Start: 109 @20702 has 1 MA's), (123, 20735), (177, 20954), (186, 20984), (195, 21008),

Gene: Manu_31 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Manu_31:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: MarQuardt_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for MarQuardt_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: Marcell_28 Start: 23165, Stop: 23611, Start Num: 74
Candidate Starts for Marcell_28:
(Start: 74 @23165 has 627 MA's), (104, 23279), (105, 23282), (122, 23324), (124, 23330), (183, 23558),

Gene: Marchesa_28 Start: 21814, Stop: 22257, Start Num: 74
Candidate Starts for Marchesa_28:
(29, 21628), (Start: 60 @21787 has 1 MA's), (Start: 74 @21814 has 627 MA's), (94, 21883), (101, 21910), (155, 22102), (158, 22108), (164, 22132), (175, 22180), (199, 22249),

Gene: Marchy_27 Start: 22470, Stop: 22916, Start Num: 74
Candidate Starts for Marchy_27:
(Start: 74 @22470 has 627 MA's), (Start: 82 @22482 has 8 MA's), (104, 22584), (105, 22587), (122, 22629), (124, 22635), (183, 22863),

Gene: Marco3_28 Start: 23065, Stop: 23511, Start Num: 74
Candidate Starts for Marco3_28:
(Start: 74 @23065 has 627 MA's), (104, 23179), (105, 23182), (122, 23224), (124, 23230), (183, 23458),

Gene: Margaret_22 Start: 17157, Stop: 17549, Start Num: 69
Candidate Starts for Margaret_22:
(52, 17103), (Start: 69 @17157 has 26 MA's), (83, 17178), (98, 17247), (111, 17268), (117, 17283), (126, 17304), (139, 17346), (169, 17454), (171, 17463), (173, 17475),

Gene: Marge_29 Start: 23565, Stop: 24011, Start Num: 74
Candidate Starts for Marge_29:

(Start: 74 @23565 has 627 MA's), (104, 23679), (105, 23682), (122, 23724), (124, 23730), (183, 23958),

Gene: Margo_29 Start: 22303, Stop: 22746, Start Num: 74
Candidate Starts for Margo_29:
(Start: 74 @22303 has 627 MA's), (94, 22372), (101, 22399), (128, 22471), (155, 22591), (164, 22621), (175, 22669),

Gene: Marie_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for Marie_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: Marius_31 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Marius_31:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Maroc7_27 Start: 22669, Stop: 23115, Start Num: 74
Candidate Starts for Maroc7_27:
(Start: 74 @22669 has 627 MA's), (104, 22783), (105, 22786), (122, 22828), (124, 22834), (183, 23062),

Gene: Marsha_28 Start: 23791, Stop: 24237, Start Num: 74
Candidate Starts for Marsha_28:
(Start: 74 @23791 has 627 MA's), (104, 23905), (105, 23908), (122, 23950), (124, 23956), (183, 24184),

Gene: MaryBeth_28 Start: 23097, Stop: 23543, Start Num: 74
Candidate Starts for MaryBeth_28:
(Start: 74 @23097 has 627 MA's), (104, 23211), (105, 23214), (122, 23256), (124, 23262), (183, 23490),

Gene: MarysWell_24 Start: 21517, Stop: 21981, Start Num: 74
Candidate Starts for MarysWell_24:
(Start: 74 @21517 has 627 MA's), (165, 21841), (169, 21853), (180, 21895), (197, 21943), (198, 21952),

Gene: Maverick_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Maverick_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Maxo_28 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for Maxo_28:
(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994),

Gene: Mayonnaise_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Mayonnaise_28:

(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Mayweather_20 Start: 17735, Stop: 18127, Start Num: 69
Candidate Starts for Mayweather_20:
(Start: 69 @17735 has 26 MA's), (83, 17756), (93, 17810), (95, 17816), (98, 17825), (111, 17846), (117, 17861), (126, 17882), (167, 18023), (169, 18032), (173, 18053),

Gene: Mazhar510_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Mazhar510_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: McDazzle_18 Start: 17582, Stop: 17974, Start Num: 69
Candidate Starts for McDazzle_18:
(Start: 69 @17582 has 26 MA's), (83, 17603), (93, 17657), (95, 17663), (98, 17672), (111, 17693), (117, 17708), (126, 17729), (167, 17870), (169, 17879), (173, 17900),

Gene: McFly_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for McFly_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: McGuire_29 Start: 22967, Stop: 23413, Start Num: 74
Candidate Starts for McGuire_29:
(Start: 74 @22967 has 627 MA's), (Start: 82 @22979 has 8 MA's), (104, 23081), (105, 23084), (122, 23126), (124, 23132), (183, 23360),

Gene: McSinger_29 Start: 23359, Stop: 23805, Start Num: 74
Candidate Starts for McSinger_29:
(Start: 74 @23359 has 627 MA's), (104, 23473), (105, 23476), (122, 23518), (124, 23524), (183, 23752),

Gene: Medusa_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Medusa_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: MeeZee_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for MeeZee_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: MegTheThird_29 Start: 21504, Stop: 21953, Start Num: 72
Candidate Starts for MegTheThird_29:
(Start: 72 @21504 has 121 MA's), (Start: 96 @21582 has 1 MA's), (153, 21774), (155, 21795), (162, 21819), (164, 21825), (175, 21873), (184, 21900),

Gene: Melvin_28 Start: 21627, Stop: 22073, Start Num: 74

Candidate Starts for Melvin_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: MetalQZJ_28 Start: 23097, Stop: 23543, Start Num: 74
Candidate Starts for MetalQZJ_28:
(Start: 74 @23097 has 627 MA's), (104, 23211), (105, 23214), (122, 23256), (124, 23262), (183, 23490),

Gene: Methuselah_29 Start: 22281, Stop: 22724, Start Num: 74
Candidate Starts for Methuselah_29:
(Start: 74 @22281 has 627 MA's), (94, 22350), (101, 22377), (128, 22449), (155, 22569), (164, 22599), (175, 22647), (199, 22716),

Gene: Meyran_22 Start: 20559, Stop: 20951, Start Num: 107
Candidate Starts for Meyran_22:
(13, 19923), (14, 20028), (25, 20211), (26, 20214), (47, 20361), (48, 20364), (85, 20463), (Start: 107 @20559 has 4 MA's), (Start: 109 @20565 has 1 MA's), (123, 20598), (177, 20817), (186, 20847), (195, 20871),

Gene: Micasa_25 Start: 21443, Stop: 21907, Start Num: 74
Candidate Starts for Micasa_25:
(Start: 74 @21443 has 627 MA's), (165, 21767), (169, 21779), (180, 21821), (197, 21869), (198, 21878),

Gene: Michley_28 Start: 22842, Stop: 23288, Start Num: 74
Candidate Starts for Michley_28:
(Start: 74 @22842 has 627 MA's), (104, 22956), (105, 22959), (122, 23001), (124, 23007), (183, 23235),

Gene: Microwolf_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for Microwolf_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: MiculUcigas_29 Start: 22002, Stop: 22448, Start Num: 79
Candidate Starts for MiculUcigas_29:
(17, 21771), (41, 21957), (Start: 42 @21963 has 1 MA's), (Start: 79 @22002 has 56 MA's), (Start: 96 @22077 has 1 MA's), (106, 22116), (153, 22269), (175, 22368), (184, 22395), (197, 22425),

Gene: MicyPS_18 Start: 19058, Stop: 19444, Start Num: 74
Candidate Starts for MicyPS_18:
(Start: 74 @19058 has 627 MA's), (92, 19124), (93, 19127), (136, 19235), (171, 19364), (178, 19394), (181, 19403),

Gene: Midas2_25 Start: 21517, Stop: 21981, Start Num: 74
Candidate Starts for Midas2_25:
(Start: 74 @21517 has 627 MA's), (165, 21841), (169, 21853), (180, 21895), (197, 21943), (198, 21952),

Gene: Miko_32 Start: 23595, Stop: 24041, Start Num: 75
Candidate Starts for Miko_32:

(Start: 75 @23595 has 10 MA's), (Start: 96 @23670 has 1 MA's), (113, 23730), (153, 23862), (155, 23883), (164, 23913), (175, 23961), (184, 23988), (197, 24018),

Gene: Milcery_25 Start: 21473, Stop: 21937, Start Num: 74
Candidate Starts for Milcery_25:
(Start: 74 @21473 has 627 MA's), (165, 21797), (169, 21809), (180, 21851), (197, 21899), (198, 21908),

Gene: Miley16_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Miley16_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: MilleFeuille_27 Start: 22782, Stop: 23228, Start Num: 74
Candidate Starts for MilleFeuille_27:
(Start: 74 @22782 has 627 MA's), (104, 22896), (105, 22899), (122, 22941), (124, 22947), (183, 23175),

Gene: Millski_27 Start: 21630, Stop: 22076, Start Num: 74
Candidate Starts for Millski_27:
(Start: 74 @21630 has 627 MA's), (94, 21699), (Start: 96 @21705 has 1 MA's), (101, 21726), (Start: 107 @21747 has 4 MA's), (128, 21798), (155, 21918), (164, 21948), (171, 21972), (175, 21996), (176, 21999), (197, 22053),

Gene: MinecraftSteve_32 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for MinecraftSteve_32:
(Start: 74 @21087 has 627 MA's), (83, 21096), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: MiniLon_20 Start: 19079, Stop: 19528, Start Num: 80
Candidate Starts for MiniLon_20:
(Start: 80 @19079 has 82 MA's), (86, 19106), (88, 19124), (91, 19136), (95, 19151), (114, 19208), (120, 19220), (125, 19232), (131, 19244), (135, 19268), (139, 19277), (159, 19364), (161, 19373), (201, 19508),

Gene: MiniMac_20 Start: 19080, Stop: 19529, Start Num: 80
Candidate Starts for MiniMac_20:
(Start: 80 @19080 has 82 MA's), (86, 19107), (88, 19125), (91, 19137), (95, 19152), (114, 19209), (120, 19221), (125, 19233), (131, 19245), (135, 19269), (139, 19278), (159, 19365), (161, 19374), (201, 19509),

Gene: Minispark_27 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for Minispark_27:
(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: Miramae_28 Start: 21591, Stop: 22037, Start Num: 74
Candidate Starts for Miramae_28:
(Start: 74 @21591 has 627 MA's), (94, 21660), (101, 21687), (155, 21879), (164, 21909), (169, 21924), (175, 21957),

Gene: Misomonster_32 Start: 22281, Stop: 22724, Start Num: 74
Candidate Starts for Misomonster_32:

(Start: 74 @22281 has 627 MA's), (94, 22350), (101, 22377), (128, 22449), (155, 22569), (164, 22599), (175, 22647), (199, 22716),

Gene: MissWhite_29 Start: 21089, Stop: 21532, Start Num: 74
Candidate Starts for MissWhite_29:
(Start: 74 @21089 has 627 MA's), (153, 21356), (164, 21407), (175, 21455), (197, 21512),

Gene: MkaliMitinis3_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for MkaliMitinis3_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Mkhuseli_29 Start: 22992, Stop: 23438, Start Num: 74
Candidate Starts for Mkhuseli_29:
(Start: 74 @22992 has 627 MA's), (104, 23106), (105, 23109), (122, 23151), (124, 23157), (183, 23385),

Gene: Molivier_19 Start: 18753, Stop: 19250, Start Num: 81
Candidate Starts for Molivier_19:
(Start: 81 @18753 has 32 MA's), (86, 18777), (110, 18861), (121, 18888), (125, 18897), (157, 19020), (161, 19038), (172, 19074), (173, 19083), (187, 19131), (201, 19173), (203, 19185),

Gene: Molly_29 Start: 22765, Stop: 23211, Start Num: 74
Candidate Starts for Molly_29:
(Start: 74 @22765 has 627 MA's), (104, 22879), (105, 22882), (122, 22924), (124, 22930), (183, 23158),

Gene: Monet_30 Start: 24193, Stop: 24639, Start Num: 74
Candidate Starts for Monet_30:
(Start: 74 @24193 has 627 MA's), (104, 24307), (105, 24310), (122, 24352), (124, 24358), (183, 24586),

Gene: MoneyMay_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for MoneyMay_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: Montavir_29 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for Montavir_29:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Moose_28 Start: 23169, Stop: 23615, Start Num: 74
Candidate Starts for Moose_28:
(55, 23121), (Start: 74 @23169 has 627 MA's), (104, 23283), (105, 23286), (122, 23328), (124, 23334), (183, 23562),

Gene: Moostard_20 Start: 19278, Stop: 19727, Start Num: 80
Candidate Starts for Moostard_20:
(Start: 80 @19278 has 82 MA's), (88, 19323), (91, 19335), (95, 19350), (114, 19407), (120, 19419), (125, 19431), (131, 19443), (135, 19467), (139, 19476), (147, 19494), (159, 19563), (161, 19572), (201, 19707),

Gene: Morpher26_28 Start: 21648, Stop: 22094, Start Num: 74
Candidate Starts for Morpher26_28:
(Start: 74 @21648 has 627 MA's), (94, 21717), (101, 21744), (106, 21762), (128, 21816), (155, 21936), (164, 21966), (169, 21981), (175, 22014),

Gene: Morrow_28 Start: 21630, Stop: 22076, Start Num: 74
Candidate Starts for Morrow_28:
(Start: 74 @21630 has 627 MA's), (94, 21699), (Start: 96 @21705 has 1 MA's), (101, 21726), (Start: 107 @21747 has 4 MA's), (128, 21798), (155, 21918), (164, 21948), (171, 21972), (175, 21996), (176, 21999),

Gene: MrGordo_28 Start: 22657, Stop: 23103, Start Num: 74
Candidate Starts for MrGordo_28:
(Start: 74 @22657 has 627 MA's), (104, 22771), (105, 22774), (122, 22816), (124, 22822), (183, 23050),

Gene: Mryolo_27 Start: 22694, Stop: 23140, Start Num: 74
Candidate Starts for Mryolo_27:
(Start: 74 @22694 has 627 MA's), (Start: 82 @22706 has 8 MA's), (104, 22808), (105, 22811), (122, 22853), (124, 22859), (183, 23087),

Gene: MsGreen_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for MsGreen_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: MuchMore_32 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for MuchMore_32:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: Mulciber_29 Start: 22627, Stop: 23070, Start Num: 78
Candidate Starts for Mulciber_29:
(Start: 78 @22627 has 34 MA's), (Start: 96 @22702 has 1 MA's), (153, 22894), (155, 22915), (175, 22993), (198, 23059),

Gene: Mule_28 Start: 23003, Stop: 23449, Start Num: 74
Candidate Starts for Mule_28:
(Start: 74 @23003 has 627 MA's), (104, 23117), (105, 23120), (122, 23162), (124, 23168), (183, 23396),

Gene: Munch_29 Start: 22633, Stop: 23076, Start Num: 78
Candidate Starts for Munch_29:
(Start: 39 @22570 has 1 MA's), (Start: 78 @22633 has 34 MA's), (Start: 96 @22708 has 1 MA's), (153, 22900), (155, 22921), (175, 22999), (198, 23065),

Gene: Mundrea_28 Start: 21612, Stop: 22058, Start Num: 74
Candidate Starts for Mundrea_28:
(Start: 74 @21612 has 627 MA's), (94, 21681), (101, 21708), (106, 21726), (128, 21780), (155, 21900), (164, 21930), (169, 21945), (175, 21978),

Gene: MunkgeeRoachy_19 Start: 17490, Stop: 17879, Start Num: 71

Candidate Starts for MunkgeeRoachy_19:
(Start: 71 @17490 has 35 MA's), (92, 17562), (93, 17565), (98, 17580), (111, 17601), (117, 17616), (126, 17637), (139, 17679), (158, 17745), (168, 17781), (169, 17787), (173, 17808), (185, 17850),

Gene: Museum_30 Start: 23013, Stop: 23459, Start Num: 74
Candidate Starts for Museum_30:
(Start: 74 @23013 has 627 MA's), (104, 23127), (105, 23130), (122, 23172), (124, 23178), (183, 23406),

Gene: MyraDee_26 Start: 19887, Stop: 20348, Start Num: 72
Candidate Starts for MyraDee_26:
(Start: 72 @19887 has 121 MA's), (100, 19989), (128, 20064), (158, 20190), (165, 20217), (184, 20289),

Gene: Myxus_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Myxus_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: NEHalo_28 Start: 22751, Stop: 23197, Start Num: 74
Candidate Starts for NEHalo_28:
(Start: 74 @22751 has 627 MA's), (104, 22865), (105, 22868), (122, 22910), (124, 22916), (183, 23144),

Gene: NaSiaTalie_29 Start: 22000, Stop: 22446, Start Num: 79
Candidate Starts for NaSiaTalie_29:
(17, 21769), (41, 21955), (Start: 42 @21961 has 1 MA's), (Start: 79 @22000 has 56 MA's), (Start: 96 @22075 has 1 MA's), (106, 22114), (153, 22267), (175, 22366), (184, 22393), (197, 22423),

Gene: Naca_25 Start: 21325, Stop: 21789, Start Num: 74
Candidate Starts for Naca_25:
(Start: 74 @21325 has 627 MA's), (180, 21703), (186, 21724), (197, 21751), (198, 21760),

Gene: Naiad_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Naiad_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Naira_29 Start: 24610, Stop: 25056, Start Num: 74
Candidate Starts for Naira_29:
(Start: 74 @24610 has 627 MA's), (104, 24724), (105, 24727), (122, 24769), (124, 24775), (183, 25003),

Gene: Naji_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for Naji_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: Nancinator_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Nancinator_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Natosaleda_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Natosaleda_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: NearlyHeadless_25 Start: 20480, Stop: 20926, Start Num: 74
Candidate Starts for NearlyHeadless_25:
(Start: 74 @20480 has 627 MA's), (92, 20543), (94, 20552), (104, 20591), (106, 20597), (134, 20678), (158, 20777), (165, 20801), (193, 20900), (197, 20906),

Gene: Nebs_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Nebs_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Nebulosus_31 Start: 20965, Stop: 21408, Start Num: 74
Candidate Starts for Nebulosus_31:
(Start: 74 @20965 has 627 MA's), (83, 20974), (94, 21034), (Start: 96 @21040 has 1 MA's), (115, 21103), (130, 21142), (164, 21283), (175, 21331),

Gene: Nedarya_30 Start: 21584, Stop: 22024, Start Num: 74
Candidate Starts for Nedarya_30:
(Start: 74 @21584 has 627 MA's), (94, 21650), (Start: 96 @21656 has 1 MA's), (97, 21659), (129, 21752), (134, 21776), (175, 21947),

Gene: Neeharika16_32 Start: 21757, Stop: 22209, Start Num: 72
Candidate Starts for Neeharika16_32:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: Nemo27_28 Start: 21626, Stop: 22072, Start Num: 74
Candidate Starts for Nemo27_28:
(Start: 74 @21626 has 627 MA's), (94, 21695), (Start: 96 @21701 has 1 MA's), (101, 21722), (Start: 107 @21743 has 4 MA's), (128, 21794), (155, 21914), (164, 21944), (171, 21968), (175, 21992), (176, 21995), (197, 22049),

Gene: Nerujay_29 Start: 23419, Stop: 23865, Start Num: 74
Candidate Starts for Nerujay_29:
(Start: 74 @23419 has 627 MA's), (Start: 82 @23431 has 8 MA's), (104, 23533), (105, 23536), (122, 23578), (124, 23584), (183, 23812),

Gene: Netyap_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Netyap_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Neville_29 Start: 25056, Stop: 25520, Start Num: 76
Candidate Starts for Neville_29:
(Start: 76 @25056 has 8 MA's), (86, 25089), (90, 25119), (103, 25158), (108, 25167), (112, 25179), (116, 25185), (117, 25188), (131, 25218), (140, 25254), (149, 25278), (151, 25290), (153, 25314), (162, 25356), (173, 25401), (187, 25449), (191, 25461), (194, 25470), (201, 25491), (202, 25497),

Gene: Newrala_32 Start: 21757, Stop: 22209, Start Num: 72
Candidate Starts for Newrala_32:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: Nhonho_28 Start: 23170, Stop: 23616, Start Num: 74
Candidate Starts for Nhonho_28:
(Start: 74 @23170 has 627 MA's), (Start: 82 @23182 has 8 MA's), (104, 23284), (105, 23287), (122, 23329), (124, 23335), (183, 23563),

Gene: Nibbles_21 Start: 18423, Stop: 18809, Start Num: 71
Candidate Starts for Nibbles_21:
(Start: 71 @18423 has 35 MA's), (92, 18495), (98, 18513), (111, 18534), (120, 18555), (121, 18558), (131, 18579), (150, 18633), (155, 18672), (163, 18699), (169, 18720), (173, 18741),

Gene: Nicholas_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for Nicholas_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: Nicholasp3_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for Nicholasp3_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: NicoleTera_33 Start: 23863, Stop: 24309, Start Num: 79
Candidate Starts for NicoleTera_33:
(38, 23812), (Start: 79 @23863 has 56 MA's), (Start: 96 @23938 has 1 MA's), (106, 23977), (113, 23998), (153, 24130), (155, 24151), (164, 24181), (175, 24229), (184, 24256), (197, 24286),

Gene: Nina_20 Start: 18484, Stop: 18873, Start Num: 71
Candidate Starts for Nina_20:
(Start: 71 @18484 has 35 MA's), (92, 18556), (93, 18559), (98, 18574), (111, 18595), (117, 18610), (126, 18631), (139, 18673), (158, 18739), (168, 18775), (169, 18781), (173, 18802), (185, 18844),

Gene: Niza_30 Start: 24047, Stop: 24493, Start Num: 74
Candidate Starts for Niza_30:
(Start: 74 @24047 has 627 MA's), (Start: 82 @24059 has 8 MA's), (104, 24161), (105, 24164), (122, 24206), (124, 24212), (183, 24440),

Gene: Nodigi_21 Start: 17443, Stop: 17835, Start Num: 69
Candidate Starts for Nodigi_21:
(52, 17389), (Start: 69 @17443 has 26 MA's), (83, 17464), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (169, 17740), (170, 17743), (173, 17761),

Gene: Noella_29 Start: 22278, Stop: 22721, Start Num: 74
Candidate Starts for Noella_29:
(Start: 74 @22278 has 627 MA's), (94, 22347), (101, 22374), (128, 22446), (155, 22566), (164, 22596), (175, 22644),

Gene: Noelle_28 Start: 21705, Stop: 22151, Start Num: 74

Candidate Starts for Noelle_28:
(37, 21576), (Start: 74 @21705 has 627 MA's), (94, 21774), (101, 21801), (128, 21873), (155, 21993), (164, 22023), (169, 22038), (175, 22071),

Gene: Norbert_28 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for Norbert_28:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: NorthStar_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for NorthStar_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Northrop_28 Start: 21623, Stop: 22069, Start Num: 74
Candidate Starts for Northrop_28:
(Start: 74 @21623 has 627 MA's), (94, 21692), (Start: 96 @21698 has 1 MA's), (101, 21719), (Start: 107 @21740 has 4 MA's), (128, 21791), (155, 21911), (164, 21941), (171, 21965), (175, 21989), (176, 21992),

Gene: Norz_30 Start: 23826, Stop: 24272, Start Num: 74
Candidate Starts for Norz_30:
(Start: 74 @23826 has 627 MA's), (104, 23940), (105, 23943), (122, 23985), (124, 23991), (183, 24219),

Gene: NotAPhaseMom_28 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for NotAPhaseMom_28:
(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: NothingSpecial_31 Start: 23999, Stop: 24445, Start Num: 75
Candidate Starts for NothingSpecial_31:
(Start: 75 @23999 has 10 MA's), (Start: 96 @24074 has 1 MA's), (113, 24134), (153, 24266), (155, 24287), (164, 24317), (175, 24365), (184, 24392), (197, 24422),

Gene: Noxious_31 Start: 24455, Stop: 24901, Start Num: 74
Candidate Starts for Noxious_31:
(Start: 74 @24455 has 627 MA's), (Start: 82 @24467 has 8 MA's), (104, 24569), (105, 24572), (122, 24614), (124, 24620), (183, 24848),

Gene: Nyceirae_24 Start: 20423, Stop: 20815, Start Num: 107
Candidate Starts for Nyceirae_24:
(14, 19892), (25, 20075), (26, 20078), (47, 20225), (48, 20228), (85, 20327), (Start: 107 @20423 has 4 MA's), (Start: 109 @20429 has 1 MA's), (123, 20462), (147, 20543), (177, 20681), (186, 20711), (195, 20735),

Gene: Nyxis_28 Start: 21570, Stop: 22016, Start Num: 74
Candidate Starts for Nyxis_28:
(Start: 74 @21570 has 627 MA's), (94, 21639), (Start: 96 @21645 has 1 MA's), (101, 21666), (Start: 107 @21687 has 4 MA's), (128, 21738), (155, 21858), (164, 21888), (171, 21912), (175, 21936), (176, 21939),

Gene: OKCentral2016_28 Start: 21292, Stop: 21738, Start Num: 74
Candidate Starts for OKCentral2016_28:
(Start: 74 @21292 has 627 MA's), (94, 21361), (101, 21388), (128, 21460), (164, 21610), (175, 21658),

Gene: OKaNui_29 Start: 21680, Stop: 22126, Start Num: 74
Candidate Starts for OKaNui_29:
(Start: 74 @21680 has 627 MA's), (94, 21749), (Start: 96 @21755 has 1 MA's), (101, 21776), (Start: 107 @21797 has 4 MA's), (128, 21848), (155, 21968), (164, 21998), (171, 22022), (175, 22046), (176, 22049), (197, 22103),

Gene: Obama12_29 Start: 21943, Stop: 22389, Start Num: 74
Candidate Starts for Obama12_29:
(Start: 74 @21943 has 627 MA's), (94, 22012), (Start: 96 @22018 has 1 MA's), (101, 22039), (Start: 107 @22060 has 4 MA's), (128, 22111), (155, 22231), (164, 22261), (171, 22285), (175, 22309), (176, 22312),

Gene: Octobien14_29 Start: 24502, Stop: 24978, Start Num: 67
Candidate Starts for Octobien14_29:
(Start: 67 @24502 has 4 MA's), (Start: 73 @24511 has 4 MA's), (86, 24544), (103, 24613), (108, 24622), (116, 24640), (117, 24643), (131, 24673), (135, 24697), (140, 24709), (142, 24715), (153, 24769), (156, 24793), (160, 24811), (173, 24862), (183, 24898), (194, 24931), (201, 24952),

Gene: Odin_28 Start: 20772, Stop: 21221, Start Num: 76
Candidate Starts for Odin_28:
(Start: 76 @20772 has 8 MA's), (Start: 96 @20850 has 1 MA's), (113, 20910), (164, 21093), (175, 21141), (197, 21198),

Gene: OhShagHennessy_19 Start: 18515, Stop: 18961, Start Num: 80
Candidate Starts for OhShagHennessy_19:
(Start: 80 @18515 has 82 MA's), (88, 18560), (91, 18572), (114, 18641), (125, 18665), (131, 18677), (161, 18806), (163, 18809), (169, 18830), (173, 18851), (196, 18923), (201, 18941), (203, 18953),

Gene: Ohfah_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Ohfah_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Ohno789_28 Start: 22812, Stop: 23258, Start Num: 74
Candidate Starts for Ohno789_28:
(Start: 74 @22812 has 627 MA's), (104, 22926), (105, 22929), (122, 22971), (124, 22977), (183, 23205),

Gene: OlanP_30 Start: 22459, Stop: 22902, Start Num: 74
Candidate Starts for OlanP_30:
(Start: 74 @22459 has 627 MA's), (94, 22528), (101, 22555), (128, 22627), (155, 22747), (164, 22777), (175, 22825), (199, 22894),

Gene: Ollie_30 Start: 22068, Stop: 22511, Start Num: 74
Candidate Starts for Ollie_30:
(Start: 74 @22068 has 627 MA's), (94, 22137), (101, 22164), (128, 22236), (155, 22356), (164, 22386), (175, 22434), (176, 22437), (199, 22503),

Gene: Onglai_30 Start: 21891, Stop: 22340, Start Num: 72
Candidate Starts for Onglai_30:
(Start: 72 @21891 has 121 MA's), (Start: 96 @21972 has 1 MA's), (155, 22185), (164, 22215), (175, 22263), (197, 22320),

Gene: Oofda_31 Start: 20939, Stop: 21382, Start Num: 74
Candidate Starts for Oofda_31:
(Start: 74 @20939 has 627 MA's), (83, 20948), (94, 21008), (Start: 96 @21014 has 1 MA's), (115, 21077), (130, 21116), (164, 21257), (175, 21305),

Gene: Oogway_27 Start: 22934, Stop: 23380, Start Num: 74
Candidate Starts for Oogway_27:
(Start: 74 @22934 has 627 MA's), (104, 23048), (105, 23051), (122, 23093), (124, 23099), (183, 23327),

Gene: Orange_29 Start: 22633, Stop: 23076, Start Num: 78
Candidate Starts for Orange_29:
(Start: 78 @22633 has 34 MA's), (Start: 96 @22708 has 1 MA's), (153, 22900), (155, 22921), (175, 22999), (198, 23065),

Gene: Orla_21 Start: 17447, Stop: 17839, Start Num: 69
Candidate Starts for Orla_21:
(52, 17393), (63, 17444), (Start: 69 @17447 has 26 MA's), (83, 17468), (92, 17519), (93, 17522), (98, 17537), (111, 17558), (117, 17573), (126, 17594), (139, 17636), (158, 17702), (169, 17744), (170, 17747), (173, 17765),

Gene: OverPar_19 Start: 18779, Stop: 19276, Start Num: 81
Candidate Starts for OverPar_19:
(Start: 81 @18779 has 32 MA's), (86, 18803), (110, 18887), (121, 18914), (125, 18923), (157, 19046), (161, 19064), (172, 19100), (173, 19109), (187, 19157), (201, 19199), (203, 19211),

Gene: P28Green_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for P28Green_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: PGHhamlin_32 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for PGHhamlin_32:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: PP_38 Start: 27632, Stop: 28081, Start Num: 72
Candidate Starts for PP_38:
(Start: 72 @27632 has 121 MA's), (Start: 96 @27710 has 1 MA's), (113, 27770), (153, 27902), (164, 27953), (175, 28001), (184, 28028), (197, 28058), (199, 28070),

Gene: PSonyx_18 Start: 19173, Stop: 19559, Start Num: 74
Candidate Starts for PSonyx_18:
(Start: 74 @19173 has 627 MA's), (92, 19239), (93, 19242), (136, 19350), (171, 19479), (181, 19518),

Gene: PSullivan_30 Start: 23482, Stop: 23928, Start Num: 74
Candidate Starts for PSullivan_30:

(Start: 74 @23482 has 627 MA's), (104, 23596), (105, 23599), (122, 23641), (124, 23647), (183, 23875),

Gene: PYPDinur_19 Start: 18360, Stop: 18812, Start Num: 80
Candidate Starts for PYPDinur_19:
(Start: 80 @18360 has 82 MA's), (86, 18387), (88, 18405), (91, 18417), (125, 18516), (131, 18528), (143, 18567), (159, 18648), (161, 18657), (172, 18693), (201, 18792),

Gene: PacerPaul_28 Start: 23213, Stop: 23659, Start Num: 74
Candidate Starts for PacerPaul_28:
(Start: 74 @23213 has 627 MA's), (Start: 82 @23225 has 8 MA's), (104, 23327), (105, 23330), (122, 23372), (124, 23378), (183, 23606),

Gene: PackMan_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for PackMan_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: PainterBoy_30 Start: 22683, Stop: 23129, Start Num: 74
Candidate Starts for PainterBoy_30:
(Start: 74 @22683 has 627 MA's), (94, 22755), (Start: 96 @22761 has 1 MA's), (153, 22953), (164, 23004), (175, 23052), (184, 23079),

Gene: Palestino_27 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Palestino_27:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996),

Gene: Panamaxus_28 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for Panamaxus_28:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Papez_30 Start: 24650, Stop: 25096, Start Num: 74
Candidate Starts for Papez_30:
(Start: 74 @24650 has 627 MA's), (104, 24764), (105, 24767), (122, 24809), (124, 24815), (183, 25043),

Gene: Paphu_27 Start: 22726, Stop: 23172, Start Num: 74
Candidate Starts for Paphu_27:
(Start: 74 @22726 has 627 MA's), (Start: 82 @22738 has 8 MA's), (104, 22840), (105, 22843), (122, 22885), (124, 22891), (183, 23119),

Gene: Paraselene_27 Start: 23154, Stop: 23600, Start Num: 74
Candidate Starts for Paraselene_27:
(Start: 74 @23154 has 627 MA's), (104, 23268), (105, 23271), (122, 23313), (124, 23319), (183, 23547),

Gene: Pari_29 Start: 22686, Stop: 23132, Start Num: 74
Candidate Starts for Pari_29:
(Start: 74 @22686 has 627 MA's), (104, 22800), (105, 22803), (122, 22845), (124, 22851), (183, 23079),

Gene: Parliament_27 Start: 23021, Stop: 23467, Start Num: 74
Candidate Starts for Parliament_27:
(Start: 74 @23021 has 627 MA's), (Start: 82 @23033 has 8 MA's), (104, 23135), (105, 23138), (122, 23180), (124, 23186), (183, 23414),

Gene: Partridge_24 Start: 18021, Stop: 18461, Start Num: 80
Candidate Starts for Partridge_24:
(27, 17802), (32, 17823), (50, 17940), (59, 17973), (Start: 80 @18021 has 82 MA's), (86, 18048), (122, 18174), (128, 18189), (134, 18216), (158, 18312), (169, 18351),

Gene: PascalRango_29 Start: 22989, Stop: 23435, Start Num: 74
Candidate Starts for PascalRango_29:
(Start: 74 @22989 has 627 MA's), (104, 23103), (105, 23106), (122, 23148), (124, 23154), (183, 23382),

Gene: PattyP_30 Start: 23222, Stop: 23668, Start Num: 74
Candidate Starts for PattyP_30:
(Start: 74 @23222 has 627 MA's), (104, 23336), (105, 23339), (122, 23381), (124, 23387), (183, 23615),

Gene: Pawn_30 Start: 22279, Stop: 22722, Start Num: 74
Candidate Starts for Pawn_30:
(Start: 74 @22279 has 627 MA's), (94, 22348), (101, 22375), (128, 22447), (155, 22567), (164, 22597), (175, 22645), (199, 22714),

Gene: Payneful_28 Start: 22470, Stop: 22916, Start Num: 74
Candidate Starts for Payneful_28:
(Start: 74 @22470 has 627 MA's), (Start: 82 @22482 has 8 MA's), (104, 22584), (105, 22587), (122, 22629), (124, 22635), (183, 22863),

Gene: PeaceMeal1_27 Start: 19690, Stop: 20136, Start Num: 74
Candidate Starts for PeaceMeal1_27:
(Start: 74 @19690 has 627 MA's), (94, 19759), (101, 19786), (128, 19858), (164, 20008), (175, 20056),

Gene: Peaches_28 Start: 21626, Stop: 22072, Start Num: 74
Candidate Starts for Peaches_28:
(Start: 74 @21626 has 627 MA's), (94, 21695), (Start: 96 @21701 has 1 MA's), (101, 21722), (Start: 107 @21743 has 4 MA's), (128, 21794), (155, 21914), (164, 21944), (171, 21968), (175, 21992), (197, 22049),

Gene: Pelly_29 Start: 23641, Stop: 24087, Start Num: 74
Candidate Starts for Pelly_29:
(Start: 74 @23641 has 627 MA's), (104, 23755), (105, 23758), (122, 23800), (124, 23806), (183, 24034),

Gene: Pembroke_30 Start: 22199, Stop: 22642, Start Num: 74
Candidate Starts for Pembroke_30:
(Start: 74 @22199 has 627 MA's), (94, 22268), (101, 22295), (128, 22367), (155, 22487), (164, 22517), (175, 22565), (199, 22634),

Gene: Penny1_30 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for Penny1_30:

(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Pepe_29 Start: 23823, Stop: 24269, Start Num: 74
Candidate Starts for Pepe_29:
(Start: 74 @23823 has 627 MA's), (104, 23937), (105, 23940), (122, 23982), (124, 23988), (183, 24216),

Gene: Perplexer_28 Start: 21645, Stop: 22091, Start Num: 74
Candidate Starts for Perplexer_28:
(Start: 74 @21645 has 627 MA's), (94, 21714), (101, 21741), (106, 21759), (128, 21813), (155, 21933), (164, 21963), (169, 21978), (175, 22011),

Gene: Perseus_30 Start: 23838, Stop: 24284, Start Num: 74
Candidate Starts for Perseus_30:
(Start: 74 @23838 has 627 MA's), (104, 23952), (105, 23955), (122, 23997), (124, 24003), (183, 24231),

Gene: PeterPeter_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for PeterPeter_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Petersenfast_29 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Petersenfast_29:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Peterson_31 Start: 24851, Stop: 25297, Start Num: 74
Candidate Starts for Peterson_31:
(Start: 74 @24851 has 627 MA's), (104, 24965), (105, 24968), (122, 25010), (124, 25016), (183, 25244),

Gene: PetiteSangsue_28 Start: 21648, Stop: 22094, Start Num: 74
Candidate Starts for PetiteSangsue_28:
(Start: 74 @21648 has 627 MA's), (94, 21717), (101, 21744), (106, 21762), (128, 21816), (155, 21936), (164, 21966), (169, 21981), (175, 22014),

Gene: Petp2012_30 Start: 23893, Stop: 24339, Start Num: 74
Candidate Starts for Petp2012_30:
(Start: 74 @23893 has 627 MA's), (104, 24007), (105, 24010), (122, 24052), (124, 24058), (183, 24286),

Gene: Petruchio_29 Start: 23351, Stop: 23797, Start Num: 74
Candidate Starts for Petruchio_29:
(Start: 74 @23351 has 627 MA's), (Start: 82 @23363 has 8 MA's), (104, 23465), (105, 23468), (122, 23510), (124, 23516), (183, 23744),

Gene: PetterN_26 Start: 20759, Stop: 21223, Start Num: 74
Candidate Starts for PetterN_26:
(Start: 74 @20759 has 627 MA's), (113, 20897), (180, 21137), (186, 21158), (197, 21185), (198, 21194),

Gene: Ph8s_30 Start: 20730, Stop: 21179, Start Num: 76
Candidate Starts for Ph8s_30:
(Start: 76 @20730 has 8 MA's), (Start: 96 @20808 has 1 MA's), (113, 20868), (153, 21000), (155, 21021), (158, 21027), (175, 21099), (197, 21156),

Gene: Phacado_28 Start: 21626, Stop: 22072, Start Num: 74
Candidate Starts for Phacado_28:
(Start: 74 @21626 has 627 MA's), (94, 21695), (Start: 96 @21701 has 1 MA's), (101, 21722), (Start: 107 @21743 has 4 MA's), (128, 21794), (155, 21914), (164, 21944), (171, 21968), (175, 21992), (176, 21995), (197, 22049),

Gene: Phaded_32 Start: 23922, Stop: 24368, Start Num: 72
Candidate Starts for Phaded_32:
(Start: 72 @23922 has 121 MA's), (Start: 96 @23997 has 1 MA's), (106, 24036), (113, 24057), (153, 24189), (164, 24240), (175, 24288), (184, 24315),

Gene: Phaeder_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Phaeder_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: PhailMary_23 Start: 18310, Stop: 18750, Start Num: 80
Candidate Starts for PhailMary_23:
(27, 18091), (32, 18112), (50, 18229), (Start: 80 @18310 has 82 MA's), (86, 18337), (122, 18463), (128, 18478), (134, 18505), (158, 18601), (169, 18640),

Gene: Phantastic_28 Start: 21687, Stop: 22169, Start Num: 56
Candidate Starts for Phantastic_28:
(Start: 56 @21687 has 2 MA's), (61, 21711), (Start: 74 @21726 has 627 MA's), (94, 21795), (101, 21822), (155, 22014), (158, 22020), (164, 22044), (175, 22092), (184, 22119),

Gene: Pharaoh_29 Start: 23062, Stop: 23511, Start Num: 74
Candidate Starts for Pharaoh_29:
(Start: 74 @23062 has 627 MA's), (Start: 81 @23068 has 32 MA's), (89, 23116), (Start: 96 @23140 has 1 MA's), (113, 23200), (153, 23332), (175, 23431), (184, 23458), (197, 23488),

Gene: Phelipe_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Phelipe_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: PherrisBueller_29 Start: 22806, Stop: 23252, Start Num: 74
Candidate Starts for PherrisBueller_29:
(Start: 74 @22806 has 627 MA's), (Start: 82 @22818 has 8 MA's), (104, 22920), (105, 22923), (122, 22965), (124, 22971), (183, 23199),

Gene: Phighter1804_28 Start: 21605, Stop: 22051, Start Num: 74
Candidate Starts for Phighter1804_28:
(Start: 74 @21605 has 627 MA's), (94, 21674), (Start: 96 @21680 has 1 MA's), (101, 21701), (Start: 107 @21722 has 4 MA's), (128, 21773), (155, 21893), (164, 21923), (171, 21947), (175, 21971), (176, 21974), (197, 22028),

Gene: Phillis_25 Start: 20438, Stop: 20884, Start Num: 74
Candidate Starts for Phillis_25:
(Start: 74 @20438 has 627 MA's), (92, 20501), (94, 20510), (106, 20555), (134, 20636), (158, 20735), (165, 20759), (193, 20858), (197, 20864),

Gene: PhineBark_27 Start: 23697, Stop: 24143, Start Num: 74
Candidate Starts for PhineBark_27:
(Start: 74 @23697 has 627 MA's), (Start: 82 @23709 has 8 MA's), (104, 23811), (105, 23814), (122, 23856), (124, 23862), (183, 24090),

Gene: PhishRPhriends_29 Start: 21463, Stop: 21906, Start Num: 74
Candidate Starts for PhishRPhriends_29:
(Start: 74 @21463 has 627 MA's), (94, 21532), (101, 21559), (128, 21631), (155, 21751), (164, 21781), (175, 21829), (199, 21898),

Gene: Phishy_23 Start: 20431, Stop: 20817, Start Num: 109
Candidate Starts for Phishy_23:
(14, 19894), (25, 20077), (26, 20080), (47, 20227), (48, 20230), (85, 20329), (Start: 107 @20425 has 4 MA's), (Start: 109 @20431 has 1 MA's), (123, 20464), (177, 20683), (186, 20713), (195, 20737),

Gene: Phlei_24 Start: 23555, Stop: 24004, Start Num: 77
Candidate Starts for Phlei_24:
(Start: 77 @23555 has 2 MA's), (Start: 96 @23633 has 1 MA's), (113, 23693), (124, 23717), (153, 23825), (155, 23846), (175, 23924), (197, 23981), (198, 23990), (199, 23993),

Gene: Phlippers_27 Start: 24022, Stop: 24468, Start Num: 74
Candidate Starts for Phlippers_27:
(Start: 74 @24022 has 627 MA's), (104, 24136), (105, 24139), (122, 24181), (124, 24187), (183, 24415),

Gene: Phlorence_25 Start: 21577, Stop: 22041, Start Num: 74
Candidate Starts for Phlorence_25:
(Start: 74 @21577 has 627 MA's), (165, 21901), (169, 21913), (180, 21955), (198, 22012),

Gene: Phoebe_30 Start: 22196, Stop: 22639, Start Num: 74
Candidate Starts for Phoebe_30:
(Start: 74 @22196 has 627 MA's), (94, 22265), (101, 22292), (128, 22364), (155, 22484), (164, 22514), (175, 22562), (199, 22631),

Gene: Phonnegut_31 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Phonnegut_31:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: Phontbonne_28 Start: 21571, Stop: 22017, Start Num: 74
Candidate Starts for Phontbonne_28:
(Start: 74 @21571 has 627 MA's), (94, 21640), (Start: 96 @21646 has 1 MA's), (101, 21667), (Start: 107 @21688 has 4 MA's), (128, 21739), (155, 21859), (164, 21889), (171, 21913), (175, 21937), (176, 21940), (197, 21994),

Gene: Phoxy_30 Start: 22282, Stop: 22725, Start Num: 74
Candidate Starts for Phoxy_30:

(Start: 74 @22282 has 627 MA's), (94, 22351), (101, 22378), (128, 22450), (155, 22570), (164, 22600), (175, 22648), (199, 22717),

Gene: Phrankenstein_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Phrankenstein_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Phranny_31 Start: 22271, Stop: 22714, Start Num: 74
Candidate Starts for Phranny_31:
(Start: 74 @22271 has 627 MA's), (94, 22340), (101, 22367), (128, 22439), (155, 22559), (164, 22589), (175, 22637), (199, 22706),

Gene: PhrostyMug_28 Start: 23000, Stop: 23446, Start Num: 74
Candidate Starts for PhrostyMug_28:
(Start: 74 @23000 has 627 MA's), (104, 23114), (105, 23117), (122, 23159), (124, 23165), (183, 23393),

Gene: PickleBack_25 Start: 21291, Stop: 21755, Start Num: 74
Candidate Starts for PickleBack_25:
(Start: 74 @21291 has 627 MA's), (106, 21408), (152, 21552), (180, 21669), (181, 21672), (189, 21696), (198, 21726),

Gene: PinkPlastic_27 Start: 22740, Stop: 23186, Start Num: 74
Candidate Starts for PinkPlastic_27:
(Start: 74 @22740 has 627 MA's), (Start: 82 @22752 has 8 MA's), (104, 22854), (105, 22857), (122, 22899), (124, 22905), (183, 23133),

Gene: Pinto_31 Start: 23553, Stop: 23999, Start Num: 74
Candidate Starts for Pinto_31:
(Start: 74 @23553 has 627 MA's), (104, 23667), (105, 23670), (122, 23712), (124, 23718), (183, 23946),

Gene: Pioneer_31 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Pioneer_31:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: Pipcraft_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Pipcraft_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Pippin_30 Start: 23304, Stop: 23750, Start Num: 74
Candidate Starts for Pippin_30:
(Start: 74 @23304 has 627 MA's), (104, 23418), (105, 23421), (122, 23463), (124, 23469), (183, 23697),

Gene: Piro94_30 Start: 22461, Stop: 22907, Start Num: 79
Candidate Starts for Piro94_30:
(17, 22230), (41, 22416), (Start: 42 @22422 has 1 MA's), (Start: 79 @22461 has 56 MA's), (Start: 96 @22536 has 1 MA's), (106, 22575), (153, 22728), (175, 22827), (184, 22854), (197, 22884),

Gene: Pistachio_29 Start: 21306, Stop: 21749, Start Num: 74
Candidate Starts for Pistachio_29:
(Start: 60 @21279 has 1 MA's), (Start: 74 @21306 has 627 MA's), (94, 21375), (101, 21402), (155, 21594), (164, 21624), (175, 21672), (184, 21699), (199, 21741),

Gene: Pita2_30 Start: 23482, Stop: 23928, Start Num: 74
Candidate Starts for Pita2_30:
(Start: 74 @23482 has 627 MA's), (104, 23596), (105, 23599), (122, 23641), (124, 23647), (183, 23875),

Gene: Pmask_32 Start: 21758, Stop: 22210, Start Num: 72
Candidate Starts for Pmask_32:
(Start: 72 @21758 has 121 MA's), (89, 21815), (Start: 96 @21839 has 1 MA's), (124, 21923), (153, 22031), (164, 22082), (175, 22130), (182, 22145),

Gene: Pocahontas_29 Start: 22274, Stop: 22717, Start Num: 74
Candidate Starts for Pocahontas_29:
(Start: 74 @22274 has 627 MA's), (94, 22343), (101, 22370), (128, 22442), (155, 22562), (164, 22592), (175, 22640),

Gene: Polymorphads_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Polymorphads_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993),

Gene: Polyphemus_32 Start: 21756, Stop: 22208, Start Num: 72
Candidate Starts for Polyphemus_32:
(Start: 72 @21756 has 121 MA's), (89, 21813), (Start: 96 @21837 has 1 MA's), (124, 21921), (153, 22029), (164, 22080), (175, 22128), (182, 22143),

Gene: Pomar16_32 Start: 21897, Stop: 22340, Start Num: 74
Candidate Starts for Pomar16_32:
(Start: 74 @21897 has 627 MA's), (Start: 96 @21972 has 1 MA's), (113, 22032), (153, 22164), (164, 22215), (175, 22263), (197, 22320), (200, 22332),

Gene: Pons_19 Start: 17110, Stop: 17502, Start Num: 69
Candidate Starts for Pons_19:
(Start: 69 @17110 has 26 MA's), (83, 17131), (93, 17185), (95, 17191), (98, 17200), (111, 17221), (117, 17236), (126, 17257), (167, 17398), (169, 17407), (173, 17428),

Gene: Poochiewood_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Poochiewood_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: Poompha_27 Start: 19688, Stop: 20134, Start Num: 74
Candidate Starts for Poompha_27:
(Start: 74 @19688 has 627 MA's), (94, 19757), (101, 19784), (128, 19856), (164, 20006), (175, 20054),

Gene: Popcicle_29 Start: 22274, Stop: 22717, Start Num: 74
Candidate Starts for Popcicle_29:

(Start: 74 @22274 has 627 MA's), (94, 22343), (101, 22370), (128, 22442), (155, 22562), (164, 22592), (175, 22640),

Gene: PotPie_19 Start: 17975, Stop: 18367, Start Num: 69
Candidate Starts for PotPie_19:
(Start: 69 @17975 has 26 MA's), (83, 17996), (93, 18050), (95, 18056), (98, 18065), (111, 18086), (117, 18101), (126, 18122), (167, 18263), (169, 18272), (173, 18293),

Gene: PotatoSplit_31 Start: 22198, Stop: 22641, Start Num: 74
Candidate Starts for PotatoSplit_31:
(Start: 74 @22198 has 627 MA's), (94, 22267), (101, 22294), (128, 22366), (155, 22486), (164, 22516), (175, 22564), (199, 22633),

Gene: Poushou_20 Start: 19090, Stop: 19509, Start Num: 74
Candidate Starts for Poushou_20:
(Start: 74 @19090 has 627 MA's), (93, 19159), (117, 19213),

Gene: Power_29 Start: 21907, Stop: 22353, Start Num: 79
Candidate Starts for Power_29:
(Start: 79 @21907 has 56 MA's), (Start: 96 @21982 has 1 MA's), (113, 22042), (153, 22174), (175, 22273), (184, 22300), (197, 22330),

Gene: PowerRanger_29 Start: 24457, Stop: 24903, Start Num: 74
Candidate Starts for PowerRanger_29:
(Start: 74 @24457 has 627 MA's), (104, 24571), (105, 24574), (122, 24616), (124, 24622), (183, 24850),

Gene: Priamo_32 Start: 21807, Stop: 22259, Start Num: 72
Candidate Starts for Priamo_32:
(Start: 72 @21807 has 121 MA's), (89, 21864), (Start: 96 @21888 has 1 MA's), (124, 21972), (153, 22080), (164, 22131), (175, 22179), (182, 22194),

Gene: Prinashe11_25 Start: 21436, Stop: 21900, Start Num: 74
Candidate Starts for Prinashe11_25:
(Start: 74 @21436 has 627 MA's), (165, 21760), (169, 21772), (180, 21814), (197, 21862), (198, 21871),

Gene: Priya_31 Start: 23624, Stop: 24073, Start Num: 72
Candidate Starts for Priya_31:
(Start: 49 @23585 has 1 MA's), (Start: 72 @23624 has 121 MA's), (Start: 96 @23705 has 1 MA's), (155, 23918), (164, 23948), (175, 23996), (197, 24053),

Gene: ProMouse_29 Start: 23445, Stop: 23891, Start Num: 74
Candidate Starts for ProMouse_29:
(Start: 74 @23445 has 627 MA's), (104, 23559), (105, 23562), (122, 23604), (124, 23610), (183, 23838),

Gene: Prudy_32 Start: 23824, Stop: 24270, Start Num: 73
Candidate Starts for Prudy_32:
(Start: 73 @23824 has 4 MA's), (Start: 96 @23899 has 1 MA's), (113, 23959), (153, 24091), (155, 24112), (164, 24142), (175, 24190), (184, 24217), (197, 24247),

Gene: PsychoKiller_19 Start: 17442, Stop: 17831, Start Num: 71

Candidate Starts for PsychoKiller_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: Pukovnik_31 Start: 23478, Stop: 23930, Start Num: 72
Candidate Starts for Pukovnik_31:
(Start: 72 @23478 has 121 MA's), (Start: 96 @23559 has 1 MA's), (153, 23751), (155, 23772), (164, 23802), (175, 23850), (184, 23877), (197, 23907),

Gene: Pumbaa_28 Start: 21602, Stop: 22048, Start Num: 74
Candidate Starts for Pumbaa_28:
(Start: 74 @21602 has 627 MA's), (94, 21671), (Start: 96 @21677 has 1 MA's), (101, 21698), (Start: 107 @21719 has 4 MA's), (128, 21770), (155, 21890), (164, 21920), (171, 21944), (175, 21968), (176, 21971),

Gene: Puppet_28 Start: 23004, Stop: 23450, Start Num: 74
Candidate Starts for Puppet_28:
(Start: 74 @23004 has 627 MA's), (104, 23118), (105, 23121), (122, 23163), (124, 23169), (183, 23397),

Gene: Puppy_29 Start: 21376, Stop: 21819, Start Num: 74
Candidate Starts for Puppy_29:
(29, 21190), (Start: 60 @21349 has 1 MA's), (Start: 74 @21376 has 627 MA's), (94, 21445), (101, 21472), (155, 21664), (164, 21694), (175, 21742), (184, 21769), (199, 21811),

Gene: PurpleHaze_30 Start: 22278, Stop: 22721, Start Num: 74
Candidate Starts for PurpleHaze_30:
(Start: 74 @22278 has 627 MA's), (94, 22347), (101, 22374), (128, 22446), (155, 22566), (164, 22596), (175, 22644), (199, 22713),

Gene: QTRlifeCrisis_28 Start: 23560, Stop: 24006, Start Num: 74
Candidate Starts for QTRlifeCrisis_28:
(Start: 74 @23560 has 627 MA's), (Start: 82 @23572 has 8 MA's), (104, 23674), (105, 23677), (122, 23719), (124, 23725), (183, 23953),

Gene: Qobbit_31 Start: 23587, Stop: 24036, Start Num: 72
Candidate Starts for Qobbit_31:
(Start: 72 @23587 has 121 MA's), (Start: 96 @23668 has 1 MA's), (155, 23881), (164, 23911), (175, 23959), (197, 24016),

Gene: Quasar_19 Start: 18051, Stop: 18440, Start Num: 71
Candidate Starts for Quasar_19:
(Start: 71 @18051 has 35 MA's), (92, 18123), (93, 18126), (98, 18141), (111, 18162), (117, 18177), (126, 18198), (139, 18240), (158, 18306), (168, 18342), (169, 18348), (173, 18369), (185, 18411),

Gene: Quby_19 Start: 18368, Stop: 18820, Start Num: 80
Candidate Starts for Quby_19:
(Start: 80 @18368 has 82 MA's), (86, 18395), (88, 18413), (91, 18425), (125, 18524), (131, 18536), (143, 18575), (159, 18656), (161, 18665), (172, 18701), (201, 18800),

Gene: QueenB2_29 Start: 22025, Stop: 22471, Start Num: 79
Candidate Starts for QueenB2_29:

(Start: 79 @22025 has 56 MA's), (Start: 96 @22100 has 1 MA's), (113, 22160), (153, 22292), (175, 22391), (184, 22418), (197, 22448),

Gene: QueenBeesly_29 Start: 21907, Stop: 22353, Start Num: 79
Candidate Starts for QueenBeesly_29:
(Start: 79 @21907 has 56 MA's), (Start: 96 @21982 has 1 MA's), (113, 22042), (153, 22174), (175, 22273), (184, 22300), (197, 22330),

Gene: QuinnKiro_28 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for QuinnKiro_28:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Quokka_27 Start: 20882, Stop: 21325, Start Num: 74
Candidate Starts for Quokka_27:
(Start: 74 @20882 has 627 MA's), (Start: 96 @20957 has 1 MA's), (113, 21017), (164, 21200), (175, 21248), (197, 21305),

Gene: RADical_20 Start: 17443, Stop: 17832, Start Num: 71
Candidate Starts for RADical_20:
(Start: 71 @17443 has 35 MA's), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (168, 17734), (169, 17740), (173, 17761), (185, 17803),

Gene: RER2_17 Start: 14860, Stop: 15300, Start Num: 80
Candidate Starts for RER2_17:
(27, 14641), (32, 14662), (50, 14779), (59, 14812), (Start: 80 @14860 has 82 MA's), (86, 14887), (122, 15013), (128, 15028), (134, 15055), (158, 15151), (169, 15190),

Gene: RGL3_17 Start: 15019, Stop: 15459, Start Num: 80
Candidate Starts for RGL3_17:
(21, 14749), (23, 14767), (24, 14782), (27, 14800), (46, 14923), (Start: 80 @15019 has 82 MA's), (86, 15046), (122, 15172), (128, 15187), (155, 15304), (158, 15310), (169, 15349), (171, 15358), (174, 15373),

Gene: RSchmailzl_20 Start: 17586, Stop: 17975, Start Num: 71
Candidate Starts for RSchmailzl_20:
(Start: 71 @17586 has 35 MA's), (92, 17658), (93, 17661), (98, 17676), (111, 17697), (117, 17712), (126, 17733), (139, 17775), (158, 17841), (168, 17877), (169, 17883), (173, 17904), (185, 17946),

Gene: Rabbitrun_31 Start: 25350, Stop: 25832, Start Num: 62
Candidate Starts for Rabbitrun_31:
(Start: 62 @25350 has 9 MA's), (Start: 76 @25368 has 8 MA's), (90, 25431), (103, 25470), (108, 25479), (112, 25491), (116, 25497), (117, 25500), (125, 25518), (131, 25530), (138, 25563), (140, 25566), (151, 25602), (153, 25626), (156, 25644), (162, 25668), (173, 25713), (191, 25773), (194, 25782), (201, 25803), (202, 25809),

Gene: Rachaly_32 Start: 23623, Stop: 24069, Start Num: 75
Candidate Starts for Rachaly_32:
(17, 23392), (28, 23488), (41, 23578), (Start: 42 @23584 has 1 MA's), (Start: 75 @23623 has 10 MA's), (Start: 96 @23698 has 1 MA's), (113, 23758), (153, 23890), (175, 23989), (184, 24016), (197, 24046),

Gene: Rahalelujah_28 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for Rahalelujah_28:

(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: Raid_28 Start: 23009, Stop: 23455, Start Num: 74
Candidate Starts for Raid_28:
(Start: 74 @23009 has 627 MA's), (104, 23123), (105, 23126), (122, 23168), (124, 23174), (183, 23402),

Gene: Rajelicia_28 Start: 22719, Stop: 23165, Start Num: 74
Candidate Starts for Rajelicia_28:
(Start: 74 @22719 has 627 MA's), (104, 22833), (105, 22836), (122, 22878), (124, 22884), (183, 23112),

Gene: RanchParmCat_22 Start: 17157, Stop: 17549, Start Num: 69
Candidate Starts for RanchParmCat_22:
(52, 17103), (Start: 69 @17157 has 26 MA's), (83, 17178), (98, 17247), (111, 17268), (117, 17283), (126, 17304), (139, 17346), (169, 17454), (171, 17463), (173, 17475),

Gene: Rasputin_24 Start: 17956, Stop: 18396, Start Num: 80
Candidate Starts for Rasputin_24:
(27, 17737), (32, 17758), (50, 17875), (Start: 80 @17956 has 82 MA's), (86, 17983), (122, 18109), (128, 18124), (134, 18151), (158, 18247), (169, 18286),

Gene: Ravana_31 Start: 20929, Stop: 21372, Start Num: 74
Candidate Starts for Ravana_31:
(Start: 74 @20929 has 627 MA's), (83, 20938), (94, 20998), (Start: 96 @21004 has 1 MA's), (115, 21067), (130, 21106), (164, 21247), (175, 21295),

Gene: ReMo_31 Start: 20965, Stop: 21408, Start Num: 74
Candidate Starts for ReMo_31:
(Start: 74 @20965 has 627 MA's), (83, 20974), (94, 21034), (Start: 96 @21040 has 1 MA's), (115, 21103), (130, 21142), (164, 21283), (175, 21331),

Gene: Reba_31 Start: 21944, Stop: 22387, Start Num: 74
Candidate Starts for Reba_31:
(Start: 74 @21944 has 627 MA's), (94, 22013), (101, 22040), (128, 22112), (155, 22232), (164, 22262), (175, 22310), (199, 22379),

Gene: Rebeuca_29 Start: 21787, Stop: 22233, Start Num: 74
Candidate Starts for Rebeuca_29:
(Start: 74 @21787 has 627 MA's), (94, 21856), (101, 21883), (128, 21955), (164, 22105), (175, 22153),

Gene: Red305_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for Red305_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: RedBaron_21 Start: 17486, Stop: 17875, Start Num: 71
Candidate Starts for RedBaron_21:
(Start: 71 @17486 has 35 MA's), (92, 17558), (93, 17561), (98, 17576), (111, 17597), (117, 17612), (126, 17633), (139, 17675), (158, 17741), (168, 17777), (169, 17783), (173, 17804), (185, 17846),

Gene: RedRock_32 Start: 23888, Stop: 24337, Start Num: 72
Candidate Starts for RedRock_32:
(Start: 72 @23888 has 121 MA's), (Start: 96 @23969 has 1 MA's), (113, 24029), (124, 24053), (153, 24161), (155, 24182), (164, 24212), (175, 24260), (184, 24287), (197, 24317),

Gene: Refuge_32 Start: 24901, Stop: 25344, Start Num: 74
Candidate Starts for Refuge_32:
(17, 24670), (18, 24673), (22, 24727), (Start: 74 @24901 has 627 MA's), (Start: 96 @24976 has 1 MA's), (113, 25036), (153, 25168), (158, 25195), (164, 25219), (175, 25267), (184, 25294),

Gene: Relief_28 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for Relief_28:
(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994), (197, 22048),

Gene: Remus_31 Start: 20929, Stop: 21372, Start Num: 74
Candidate Starts for Remus_31:
(Start: 74 @20929 has 627 MA's), (83, 20938), (94, 20998), (Start: 96 @21004 has 1 MA's), (115, 21067), (130, 21106), (164, 21247), (175, 21295),

Gene: ResDef_29 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for ResDef_29:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Retro23_29 Start: 22115, Stop: 22561, Start Num: 79
Candidate Starts for Retro23_29:
(Start: 79 @22115 has 56 MA's), (Start: 96 @22190 has 1 MA's), (Start: 107 @22232 has 4 MA's), (113, 22250), (153, 22382), (175, 22481), (184, 22508), (197, 22538),

Gene: RexFury_24 Start: 18019, Stop: 18459, Start Num: 80
Candidate Starts for RexFury_24:
(27, 17800), (32, 17821), (50, 17938), (59, 17971), (Start: 80 @18019 has 82 MA's), (86, 18046), (122, 18172), (128, 18187), (134, 18214), (158, 18310), (169, 18349),

Gene: Rhodalysa_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Rhodalysa_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: RhynO_29 Start: 21744, Stop: 22190, Start Num: 74
Candidate Starts for RhynO_29:
(Start: 74 @21744 has 627 MA's), (94, 21813), (101, 21840), (128, 21912), (164, 22062), (175, 22110),

Gene: Rhynn_28 Start: 23009, Stop: 23455, Start Num: 74
Candidate Starts for Rhynn_28:
(Start: 74 @23009 has 627 MA's), (104, 23123), (105, 23126), (122, 23168), (124, 23174), (183, 23402),

Gene: RidgeCB_28 Start: 22784, Stop: 23230, Start Num: 74
Candidate Starts for RidgeCB_28:

(Start: 74 @22784 has 627 MA's), (Start: 82 @22796 has 8 MA's), (104, 22898), (105, 22901), (122, 22943), (124, 22949), (183, 23177),

Gene: Rifter_32 Start: 21750, Stop: 22202, Start Num: 72
Candidate Starts for Rifter_32:
(Start: 72 @21750 has 121 MA's), (89, 21807), (Start: 96 @21831 has 1 MA's), (124, 21915), (153, 22023), (164, 22074), (175, 22122), (182, 22137),

Gene: Ringer_28 Start: 23661, Stop: 24107, Start Num: 74
Candidate Starts for Ringer_28:
(Start: 74 @23661 has 627 MA's), (104, 23775), (105, 23778), (122, 23820), (124, 23826), (183, 24054),

Gene: Roary_25 Start: 20429, Stop: 20875, Start Num: 74
Candidate Starts for Roary_25:
(Start: 74 @20429 has 627 MA's), (92, 20492), (94, 20501), (106, 20546), (134, 20627), (158, 20726), (165, 20750), (193, 20849), (197, 20855),

Gene: RockieBear_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for RockieBear_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Rocksand_28 Start: 21623, Stop: 22069, Start Num: 74
Candidate Starts for Rocksand_28:
(Start: 74 @21623 has 627 MA's), (94, 21692), (Start: 96 @21698 has 1 MA's), (101, 21719), (Start: 107 @21740 has 4 MA's), (128, 21791), (155, 21911), (164, 21941), (171, 21965), (175, 21989), (176, 21992),

Gene: Rockstar_28 Start: 21690, Stop: 22133, Start Num: 74
Candidate Starts for Rockstar_28:
(29, 21504), (Start: 60 @21663 has 1 MA's), (Start: 74 @21690 has 627 MA's), (94, 21759), (101, 21786), (155, 21978), (158, 21984), (164, 22008), (175, 22056), (199, 22125),

Gene: Rohr_29 Start: 23206, Stop: 23652, Start Num: 74
Candidate Starts for Rohr_29:
(Start: 74 @23206 has 627 MA's), (104, 23320), (105, 23323), (122, 23365), (124, 23371), (183, 23599),

Gene: Roimos_28 Start: 21732, Stop: 22175, Start Num: 74
Candidate Starts for Roimos_28:
(29, 21546), (Start: 60 @21705 has 1 MA's), (Start: 74 @21732 has 627 MA's), (94, 21801), (101, 21828), (155, 22020), (158, 22026), (164, 22050), (175, 22098), (199, 22167),

Gene: Roksolana_32 Start: 21778, Stop: 22230, Start Num: 72
Candidate Starts for Roksolana_32:
(Start: 72 @21778 has 121 MA's), (89, 21835), (Start: 96 @21859 has 1 MA's), (124, 21943), (153, 22051), (164, 22102), (175, 22150), (182, 22165),

Gene: Romney_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Romney_28:

(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Ronaldo_57 Start: 30613, Stop: 31011, Start Num: 66
Candidate Starts for Ronaldo_57:
(Start: 66 @30613 has 4 MA's), (Start: 81 @30634 has 32 MA's), (93, 30694), (95, 30700), (108, 30724), (117, 30745), (120, 30751), (126, 30766), (146, 30835), (151, 30856), (154, 30892), (172, 30955), (173, 30964), (174, 30967),

Gene: Roosevelt_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Roosevelt_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Rosa24_27 Start: 21602, Stop: 22048, Start Num: 74
Candidate Starts for Rosa24_27:
(Start: 74 @21602 has 627 MA's), (94, 21671), (Start: 96 @21677 has 1 MA's), (101, 21698), (Start: 107 @21719 has 4 MA's), (128, 21770), (155, 21890), (164, 21920), (171, 21944), (175, 21968), (176, 21971), (197, 22025),

Gene: Rosalind_31 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for Rosalind_31:
(Start: 74 @21087 has 627 MA's), (83, 21096), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: Rose5_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Rose5_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: Rossetti_19 Start: 18766, Stop: 19263, Start Num: 81
Candidate Starts for Rossetti_19:
(Start: 81 @18766 has 32 MA's), (86, 18790), (110, 18874), (121, 18901), (125, 18910), (157, 19033), (161, 19051), (173, 19096), (187, 19144), (201, 19186), (203, 19198),

Gene: Rowdy_32 Start: 21655, Stop: 22101, Start Num: 74
Candidate Starts for Rowdy_32:
(Start: 74 @21655 has 627 MA's), (94, 21724), (101, 21751), (128, 21823), (164, 21973), (175, 22021),

Gene: Ruin_28 Start: 21623, Stop: 22069, Start Num: 74
Candidate Starts for Ruin_28:
(Start: 74 @21623 has 627 MA's), (94, 21692), (Start: 96 @21698 has 1 MA's), (101, 21719), (Start: 107 @21740 has 4 MA's), (128, 21791), (155, 21911), (164, 21941), (171, 21965), (175, 21989), (176, 21992), (197, 22046),

Gene: Rummer_30 Start: 22282, Stop: 22725, Start Num: 74
Candidate Starts for Rummer_30:
(Start: 74 @22282 has 627 MA's), (94, 22351), (101, 22378), (128, 22450), (155, 22570), (164, 22600), (175, 22648), (199, 22717),

Gene: Rumpelstiltskin_19 Start: 18753, Stop: 19250, Start Num: 81

Candidate Starts for Rumpelstiltskin_19:
(Start: 81 @18753 has 32 MA's), (86, 18777), (110, 18861), (121, 18888), (125, 18897), (157, 19020), (161, 19038), (172, 19074), (173, 19083), (187, 19131), (201, 19173), (203, 19185),

Gene: Ruotula_27 Start: 23550, Stop: 23996, Start Num: 74
Candidate Starts for Ruotula_27:
(Start: 74 @23550 has 627 MA's), (Start: 82 @23562 has 8 MA's), (104, 23664), (105, 23667), (122, 23709), (124, 23715), (183, 23943),

Gene: Rutherferd_30 Start: 23615, Stop: 24061, Start Num: 74
Candidate Starts for Rutherferd_30:
(Start: 74 @23615 has 627 MA's), (Start: 82 @23627 has 8 MA's), (104, 23729), (105, 23732), (122, 23774), (124, 23780), (183, 24008),

Gene: RyeScarlet_31 Start: 23561, Stop: 24010, Start Num: 72
Candidate Starts for RyeScarlet_31:
(Start: 72 @23561 has 121 MA's), (Start: 96 @23642 has 1 MA's), (155, 23855), (164, 23885), (175, 23933), (197, 23990),

Gene: STLscum_29 Start: 23753, Stop: 24199, Start Num: 74
Candidate Starts for STLscum_29:
(Start: 74 @23753 has 627 MA's), (Start: 82 @23765 has 8 MA's), (104, 23867), (105, 23870), (122, 23912), (124, 23918), (183, 24146),

Gene: Sabertooth_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Sabertooth_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Sabia_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for Sabia_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: Sabinator_30 Start: 22196, Stop: 22639, Start Num: 74
Candidate Starts for Sabinator_30:
(Start: 74 @22196 has 627 MA's), (94, 22265), (101, 22292), (128, 22364), (155, 22484), (164, 22514), (175, 22562), (199, 22631),

Gene: Sachima_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Sachima_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Sagefire_29 Start: 23786, Stop: 24232, Start Num: 74
Candidate Starts for Sagefire_29:
(Start: 74 @23786 has 627 MA's), (104, 23900), (105, 23903), (122, 23945), (124, 23951), (183, 24179),

Gene: Saintus_25 Start: 20444, Stop: 20890, Start Num: 74
Candidate Starts for Saintus_25:

(Start: 74 @20444 has 627 MA's), (92, 20507), (94, 20516), (104, 20555), (106, 20561), (134, 20642), (158, 20741), (165, 20765), (193, 20864), (197, 20870),

Gene: Salz_29 Start: 22624, Stop: 23067, Start Num: 78
Candidate Starts for Salz_29:
(Start: 78 @22624 has 34 MA's), (Start: 96 @22699 has 1 MA's), (153, 22891), (155, 22912), (175, 22990), (198, 23056),

Gene: SamW_18 Start: 17982, Stop: 18359, Start Num: 82
Candidate Starts for SamW_18:
(Start: 82 @17982 has 8 MA's), (84, 17991), (87, 18012), (90, 18033), (Start: 96 @18054 has 1 MA's), (112, 18093), (148, 18189), (157, 18243), (173, 18294), (179, 18315),

Gene: Samty_20 Start: 19278, Stop: 19727, Start Num: 80
Candidate Starts for Samty_20:
(Start: 80 @19278 has 82 MA's), (88, 19323), (91, 19335), (95, 19350), (114, 19407), (120, 19419), (125, 19431), (131, 19443), (135, 19467), (139, 19476), (147, 19494), (159, 19563), (161, 19572), (201, 19707),

Gene: Sandaddy_27 Start: 22899, Stop: 23345, Start Num: 74
Candidate Starts for Sandaddy_27:
(Start: 74 @22899 has 627 MA's), (104, 23013), (105, 23016), (122, 23058), (124, 23064), (183, 23292),

Gene: Sanya_28 Start: 23583, Stop: 24029, Start Num: 74
Candidate Starts for Sanya_28:
(Start: 74 @23583 has 627 MA's), (104, 23697), (105, 23700), (122, 23742), (124, 23748), (183, 23976),

Gene: SarFire_28 Start: 23061, Stop: 23507, Start Num: 74
Candidate Starts for SarFire_28:
(Start: 74 @23061 has 627 MA's), (104, 23175), (105, 23178), (122, 23220), (124, 23226), (183, 23454),

Gene: Sarshaun_19 Start: 18780, Stop: 19277, Start Num: 81
Candidate Starts for Sarshaun_19:
(Start: 81 @18780 has 32 MA's), (86, 18804), (110, 18888), (121, 18915), (125, 18924), (157, 19047), (161, 19065), (172, 19101), (173, 19110), (187, 19158), (201, 19200), (203, 19212),

Gene: Saskia_29 Start: 22627, Stop: 23070, Start Num: 78
Candidate Starts for Saskia_29:
(Start: 39 @22564 has 1 MA's), (Start: 78 @22627 has 34 MA's), (Start: 96 @22702 has 1 MA's), (153, 22894), (155, 22915), (175, 22993), (198, 23059),

Gene: SaturnRing_28 Start: 21759, Stop: 22202, Start Num: 74
Candidate Starts for SaturnRing_28:
(Start: 60 @21732 has 1 MA's), (Start: 74 @21759 has 627 MA's), (94, 21828), (101, 21855), (155, 22047), (164, 22077), (175, 22125), (184, 22152), (199, 22194),

Gene: Scamp_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Scamp_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176,

21996), (197, 22050),

Gene: Scherzo_31 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Scherzo_31:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: Scorpia_26 Start: 20762, Stop: 21226, Start Num: 74
Candidate Starts for Scorpia_26:
(Start: 74 @20762 has 627 MA's), (180, 21140), (186, 21161), (197, 21188), (198, 21197),

Gene: Scout_28 Start: 21063, Stop: 21506, Start Num: 74
Candidate Starts for Scout_28:
(29, 20877), (Start: 60 @21036 has 1 MA's), (Start: 74 @21063 has 627 MA's), (94, 21132), (101, 21159), (155, 21351), (158, 21357), (164, 21381), (175, 21429), (199, 21498),

Gene: Scowl_29 Start: 23643, Stop: 24089, Start Num: 74
Candidate Starts for Scowl_29:
(Start: 74 @23643 has 627 MA's), (104, 23757), (105, 23760), (122, 23802), (124, 23808), (183, 24036),

Gene: Seabiscuit_30 Start: 22967, Stop: 23413, Start Num: 74
Candidate Starts for Seabiscuit_30:
(Start: 74 @22967 has 627 MA's), (Start: 82 @22979 has 8 MA's), (104, 23081), (105, 23084), (122, 23126), (124, 23132), (183, 23360),

Gene: Seanderson_29 Start: 23441, Stop: 23887, Start Num: 74
Candidate Starts for Seanderson_29:
(Start: 74 @23441 has 627 MA's), (104, 23555), (105, 23558), (122, 23600), (124, 23606), (183, 23834),

Gene: SemperFi_31 Start: 22324, Stop: 22770, Start Num: 79
Candidate Starts for SemperFi_31:
(Start: 79 @22324 has 56 MA's), (Start: 96 @22399 has 1 MA's), (113, 22459), (153, 22591), (175, 22690), (184, 22717), (197, 22747),

Gene: SenorClean_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for SenorClean_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Sephiroth_29 Start: 23715, Stop: 24188, Start Num: 67
Candidate Starts for Sephiroth_29:
(Start: 67 @23715 has 4 MA's), (Start: 73 @23724 has 4 MA's), (86, 23757), (103, 23826), (108, 23835), (116, 23853), (117, 23856), (131, 23886), (135, 23910), (140, 23922), (153, 23982), (156, 24003), (160, 24021), (173, 24072), (183, 24108), (194, 24141), (201, 24162),

Gene: Serenity_28 Start: 20965, Stop: 21450, Start Num: 42
Candidate Starts for Serenity_28:
(Start: 42 @20965 has 1 MA's), (Start: 74 @21007 has 627 MA's), (Start: 96 @21082 has 1 MA's), (106, 21121), (113, 21142), (153, 21274), (164, 21325), (175, 21373), (197, 21430),

Gene: Severus_27 Start: 19688, Stop: 20134, Start Num: 74
Candidate Starts for Severus_27:
(Start: 74 @19688 has 627 MA's), (94, 19757), (101, 19784), (128, 19856), (164, 20006), (175, 20054),

Gene: Shaka_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Shaka_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Sham4_29 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Sham4_29:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Shapes_32 Start: 21655, Stop: 22101, Start Num: 74
Candidate Starts for Shapes_32:
(Start: 74 @21655 has 627 MA's), (94, 21724), (101, 21751), (128, 21823), (164, 21973), (175, 22021),

Gene: ShayRa_32 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for ShayRa_32:
(Start: 74 @21087 has 627 MA's), (83, 21096), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: SheaKeira_29 Start: 21534, Stop: 21983, Start Num: 72
Candidate Starts for SheaKeira_29:
(Start: 72 @21534 has 121 MA's), (Start: 96 @21612 has 1 MA's), (153, 21804), (155, 21825), (164, 21855), (175, 21903),

Gene: SheckWes_18 Start: 17110, Stop: 17502, Start Num: 69
Candidate Starts for SheckWes_18:
(Start: 69 @17110 has 26 MA's), (83, 17131), (93, 17185), (95, 17191), (98, 17200), (111, 17221), (117, 17236), (126, 17257), (167, 17398), (169, 17407), (173, 17428),

Gene: Sheen_30 Start: 24798, Stop: 25265, Start Num: 69
Candidate Starts for Sheen_30:
(Start: 69 @24798 has 26 MA's), (86, 24840), (Start: 96 @24888 has 1 MA's), (101, 24909), (113, 24948), (128, 24981), (129, 24984), (192, 25224),

Gene: SheldonCooper_29 Start: 21942, Stop: 22388, Start Num: 74
Candidate Starts for SheldonCooper_29:
(Start: 74 @21942 has 627 MA's), (94, 22011), (Start: 96 @22017 has 1 MA's), (101, 22038), (Start: 107 @22059 has 4 MA's), (128, 22110), (155, 22230), (164, 22260), (166, 22266), (171, 22284), (175, 22308), (176, 22311),

Gene: Sheng711_19 Start: 18360, Stop: 18812, Start Num: 80
Candidate Starts for Sheng711_19:
(Start: 80 @18360 has 82 MA's), (86, 18387), (88, 18405), (91, 18417), (125, 18516), (131, 18528), (143, 18567), (159, 18648), (161, 18657), (172, 18693), (201, 18792),

Gene: Shep_28 Start: 20778, Stop: 21221, Start Num: 74
Candidate Starts for Shep_28:

(29, 20592), (Start: 60 @20751 has 1 MA's), (Start: 74 @20778 has 627 MA's), (94, 20847), (101, 20874), (155, 21066), (158, 21072), (164, 21096), (175, 21144), (199, 21213),

Gene: ShortQueendom_28 Start: 22881, Stop: 23327, Start Num: 74
Candidate Starts for ShortQueendom_28:
(Start: 74 @22881 has 627 MA's), (104, 22995), (105, 22998), (122, 23040), (124, 23046), (183, 23274),

Gene: Shuman_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Shuman_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Shygu2_28 Start: 21639, Stop: 22085, Start Num: 74
Candidate Starts for Shygu2_28:
(Start: 74 @21639 has 627 MA's), (94, 21708), (101, 21735), (106, 21753), (128, 21807), (155, 21927), (164, 21957), (169, 21972), (175, 22005),

Gene: Sibs6_30 Start: 23526, Stop: 23972, Start Num: 74
Candidate Starts for Sibs6_30:
(Start: 74 @23526 has 627 MA's), (104, 23640), (105, 23643), (122, 23685), (124, 23691), (183, 23919),

Gene: SilverChicken_20 Start: 15408, Stop: 15773, Start Num: 78
Candidate Starts for SilverChicken_20:
(43, 15300), (54, 15354), (Start: 78 @15408 has 34 MA's), (91, 15468), (93, 15474), (98, 15489), (108, 15504), (111, 15510), (120, 15531), (121, 15534), (158, 15651), (170, 15693), (176, 15726),

Gene: Silverleaf_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Silverleaf_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: Skadoosh_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Skadoosh_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: SketchMex_18 Start: 17088, Stop: 17486, Start Num: 62
Candidate Starts for SketchMex_18:
(Start: 62 @17088 has 9 MA's), (Start: 71 @17097 has 35 MA's), (92, 17169), (93, 17172), (98, 17187), (111, 17208), (117, 17223), (120, 17229), (131, 17253), (158, 17352), (169, 17394), (173, 17415), (185, 17457),

Gene: SkiPole_30 Start: 23265, Stop: 23711, Start Num: 74
Candidate Starts for SkiPole_30:
(Start: 74 @23265 has 627 MA's), (104, 23379), (105, 23382), (122, 23424), (124, 23430), (183, 23658),

Gene: Skipitt_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for Skipitt_28:

(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Sknot_29 Start: 22003, Stop: 22449, Start Num: 79
Candidate Starts for Sknot_29:
(17, 21772), (41, 21958), (Start: 42 @21964 has 1 MA's), (Start: 79 @22003 has 56 MA's), (Start: 96 @22078 has 1 MA's), (106, 22117), (153, 22270), (175, 22369), (184, 22396), (197, 22426),

Gene: Slagathor_29 Start: 22926, Stop: 23372, Start Num: 74
Candidate Starts for Slagathor_29:
(Start: 74 @22926 has 627 MA's), (104, 23040), (105, 23043), (122, 23085), (124, 23091), (183, 23319),

Gene: Smairt_29 Start: 23701, Stop: 24147, Start Num: 74
Candidate Starts for Smairt_29:
(Start: 74 @23701 has 627 MA's), (104, 23815), (105, 23818), (122, 23860), (124, 23866), (183, 24094),

Gene: Smeadley_25 Start: 20462, Stop: 20908, Start Num: 74
Candidate Starts for Smeadley_25:
(Start: 74 @20462 has 627 MA's), (92, 20525), (94, 20534), (101, 20561), (104, 20573), (106, 20579), (134, 20660), (158, 20759), (165, 20783), (193, 20882), (197, 20888),

Gene: Smeagan_31 Start: 22481, Stop: 22927, Start Num: 79
Candidate Starts for Smeagan_31:
(15, 22169), (19, 22259), (Start: 42 @22442 has 1 MA's), (Start: 79 @22481 has 56 MA's), (Start: 96 @22556 has 1 MA's), (113, 22616), (153, 22748), (175, 22847), (184, 22874),

Gene: Smeagol_30 Start: 24280, Stop: 24726, Start Num: 74
Candidate Starts for Smeagol_30:
(Start: 74 @24280 has 627 MA's), (104, 24394), (105, 24397), (122, 24439), (124, 24445), (183, 24673),

Gene: SmellyB_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for SmellyB_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: SnapTap_29 Start: 21967, Stop: 22413, Start Num: 79
Candidate Starts for SnapTap_29:
(Start: 79 @21967 has 56 MA's), (Start: 96 @22042 has 1 MA's), (153, 22234), (175, 22333), (184, 22360), (197, 22390),

Gene: Snape_29 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Snape_29:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Snazzy_27 Start: 22887, Stop: 23333, Start Num: 74
Candidate Starts for Snazzy_27:
(Start: 74 @22887 has 627 MA's), (Start: 82 @22899 has 8 MA's), (104, 23001), (105, 23004), (122, 23046), (124, 23052), (183, 23280),

Gene: Snenia_20 Start: 19276, Stop: 19725, Start Num: 80
Candidate Starts for Snenia_20:
(Start: 80 @19276 has 82 MA's), (88, 19321), (91, 19333), (95, 19348), (114, 19405), (120, 19417), (125, 19429), (131, 19441), (135, 19465), (139, 19474), (147, 19492), (159, 19561), (161, 19570), (201, 19705),

Gene: Snickers_30 Start: 22172, Stop: 22615, Start Num: 74
Candidate Starts for Snickers_30:
(Start: 74 @22172 has 627 MA's), (94, 22241), (101, 22268), (128, 22340), (155, 22460), (164, 22490), (175, 22538), (199, 22607),

Gene: SoJulia_19 Start: 18746, Stop: 19243, Start Num: 81
Candidate Starts for SoJulia_19:
(Start: 81 @18746 has 32 MA's), (86, 18770), (110, 18854), (121, 18881), (125, 18890), (157, 19013), (161, 19031), (172, 19067), (173, 19076), (187, 19124), (201, 19166), (203, 19178),

Gene: SoYo_30 Start: 22109, Stop: 22552, Start Num: 74
Candidate Starts for SoYo_30:
(Start: 74 @22109 has 627 MA's), (94, 22178), (101, 22205), (128, 22277), (155, 22397), (164, 22427), (175, 22475), (199, 22544),

Gene: Soap141_19 Start: 18780, Stop: 19277, Start Num: 81
Candidate Starts for Soap141_19:
(Start: 81 @18780 has 32 MA's), (86, 18804), (110, 18888), (121, 18915), (125, 18924), (157, 19047), (161, 19065), (172, 19101), (173, 19110), (187, 19158), (201, 19200), (203, 19212),

Gene: Socotra_20 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Socotra_20:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: SoilDragon_30 Start: 21886, Stop: 22329, Start Num: 74
Candidate Starts for SoilDragon_30:
(Start: 74 @21886 has 627 MA's), (94, 21955), (101, 21982), (128, 22054), (155, 22174), (164, 22204), (175, 22252), (199, 22321),

Gene: Solon_28 Start: 23552, Stop: 23998, Start Num: 74
Candidate Starts for Solon_28:
(Start: 74 @23552 has 627 MA's), (Start: 82 @23564 has 8 MA's), (104, 23666), (105, 23669), (122, 23711), (124, 23717), (183, 23945),

Gene: Sopespian_19 Start: 17443, Stop: 17832, Start Num: 71
Candidate Starts for Sopespian_19:
(Start: 71 @17443 has 35 MA's), (92, 17515), (93, 17518), (98, 17533), (111, 17554), (117, 17569), (126, 17590), (139, 17632), (158, 17698), (168, 17734), (169, 17740), (173, 17761), (185, 17803),

Gene: SororFago_29 Start: 21258, Stop: 21707, Start Num: 72
Candidate Starts for SororFago_29:
(Start: 72 @21258 has 121 MA's), (Start: 96 @21336 has 1 MA's), (153, 21528), (164, 21579), (175, 21627), (184, 21654), (197, 21684),

Gene: Sorpresa_28 Start: 22899, Stop: 23345, Start Num: 74

Candidate Starts for Sorpresa_28:
(Start: 74 @22899 has 627 MA's), (104, 23013), (105, 23016), (122, 23058), (124, 23064), (183, 23292),

Gene: Soshari_32 Start: 22281, Stop: 22724, Start Num: 74
Candidate Starts for Soshari_32:
(Start: 74 @22281 has 627 MA's), (94, 22350), (101, 22377), (128, 22449), (155, 22569), (164, 22599), (175, 22647), (199, 22716),

Gene: Soul22_20 Start: 15406, Stop: 15771, Start Num: 78
Candidate Starts for Soul22_20:
(43, 15298), (54, 15352), (Start: 78 @15406 has 34 MA's), (91, 15466), (93, 15472), (98, 15487), (108, 15502), (111, 15508), (120, 15529), (121, 15532), (158, 15649), (170, 15691), (176, 15724),

Gene: Soups_31 Start: 21087, Stop: 21530, Start Num: 74
Candidate Starts for Soups_31:
(Start: 74 @21087 has 627 MA's), (83, 21096), (94, 21156), (Start: 96 @21162 has 1 MA's), (115, 21225), (130, 21264), (164, 21405), (175, 21453),

Gene: Sparxx_28 Start: 21625, Stop: 22071, Start Num: 74
Candidate Starts for Sparxx_28:
(Start: 74 @21625 has 627 MA's), (94, 21694), (Start: 96 @21700 has 1 MA's), (101, 21721), (Start: 107 @21742 has 4 MA's), (128, 21793), (155, 21913), (164, 21943), (171, 21967), (175, 21991), (176, 21994), (197, 22048),

Gene: Spike509_30 Start: 22282, Stop: 22725, Start Num: 74
Candidate Starts for Spike509_30:
(Start: 74 @22282 has 627 MA's), (94, 22351), (101, 22378), (128, 22450), (155, 22570), (164, 22600), (175, 22648), (199, 22717),

Gene: SpikeBT_30 Start: 23857, Stop: 24303, Start Num: 74
Candidate Starts for SpikeBT_30:
(Start: 74 @23857 has 627 MA's), (104, 23971), (105, 23974), (122, 24016), (124, 24022), (183, 24250),

Gene: Spino_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Spino_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (197, 22050),

Gene: Spouty_31 Start: 23623, Stop: 24072, Start Num: 72
Candidate Starts for Spouty_31:
(Start: 49 @23584 has 1 MA's), (Start: 72 @23623 has 121 MA's), (Start: 96 @23704 has 1 MA's), (155, 23917), (164, 23947), (175, 23995), (197, 24052),

Gene: Squee_29 Start: 23806, Stop: 24252, Start Num: 74
Candidate Starts for Squee_29:
(Start: 74 @23806 has 627 MA's), (104, 23920), (105, 23923), (122, 23965), (124, 23971), (183, 24199),

Gene: StAB_18 Start: 18009, Stop: 18386, Start Num: 82
Candidate Starts for StAB_18:

(Start: 82 @18009 has 8 MA's), (84, 18018), (87, 18039), (90, 18060), (Start: 96 @18081 has 1 MA's), (112, 18120), (135, 18183), (148, 18216), (157, 18270), (173, 18321), (179, 18342),

Gene: StCroix_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for StCroix_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Stagni_30 Start: 22200, Stop: 22643, Start Num: 74
Candidate Starts for Stagni_30:
(Start: 74 @22200 has 627 MA's), (94, 22269), (101, 22296), (128, 22368), (155, 22488), (164, 22518), (175, 22566), (199, 22635),

Gene: StarStuff_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for StarStuff_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: Starburst_20 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Starburst_20:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: Stasia_29 Start: 22068, Stop: 22514, Start Num: 74
Candidate Starts for Stasia_29:
(Start: 74 @22068 has 627 MA's), (94, 22137), (Start: 96 @22143 has 1 MA's), (101, 22164), (128, 22236), (155, 22356), (164, 22386), (171, 22410), (175, 22434), (184, 22461),

Gene: SteMason_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for SteMason_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (197, 22050),

Gene: SteamedHams_21 Start: 17115, Stop: 17504, Start Num: 71
Candidate Starts for SteamedHams_21:
(Start: 62 @17106 has 9 MA's), (Start: 71 @17115 has 35 MA's), (92, 17187), (93, 17190), (98, 17205), (111, 17226), (121, 17250), (158, 17370), (169, 17412), (173, 17433), (185, 17475),

Gene: Steamy_30 Start: 23043, Stop: 23489, Start Num: 74
Candidate Starts for Steamy_30:
(Start: 74 @23043 has 627 MA's), (89, 23097), (Start: 96 @23121 has 1 MA's), (99, 23133), (113, 23181), (153, 23313), (175, 23412),

Gene: StepMih_30 Start: 22191, Stop: 22634, Start Num: 74
Candidate Starts for StepMih_30:
(Start: 74 @22191 has 627 MA's), (94, 22260), (101, 22287), (128, 22359), (155, 22479), (164, 22509), (175, 22557), (199, 22626),

Gene: Stephig9_25 Start: 20443, Stop: 20889, Start Num: 74
Candidate Starts for Stephig9_25:
(Start: 74 @20443 has 627 MA's), (92, 20506), (94, 20515), (106, 20560), (134, 20641), (158, 20740), (165, 20764), (193, 20863), (197, 20869),

Gene: StewieG_27 Start: 22742, Stop: 23188, Start Num: 74
Candidate Starts for StewieG_27:
(Start: 74 @22742 has 627 MA's), (104, 22856), (105, 22859), (122, 22901), (124, 22907), (183, 23135),

Gene: Stiles_18 Start: 17787, Stop: 18164, Start Num: 82
Candidate Starts for Stiles_18:
(Start: 82 @17787 has 8 MA's), (84, 17796), (87, 17817), (90, 17838), (Start: 96 @17859 has 1 MA's), (112, 17898), (148, 17994), (157, 18048), (173, 18099), (179, 18120),

Gene: Stink_29 Start: 21928, Stop: 22374, Start Num: 74
Candidate Starts for Stink_29:
(Start: 74 @21928 has 627 MA's), (94, 21997), (101, 22024), (155, 22216), (164, 22246), (169, 22261), (175, 22294),

Gene: StrongArm_27 Start: 23941, Stop: 24387, Start Num: 74
Candidate Starts for StrongArm_27:
(Start: 74 @23941 has 627 MA's), (Start: 82 @23953 has 8 MA's), (104, 24055), (105, 24058), (122, 24100), (124, 24106), (183, 24334),

Gene: Strosahl_31 Start: 20929, Stop: 21372, Start Num: 74
Candidate Starts for Strosahl_31:
(Start: 74 @20929 has 627 MA's), (83, 20938), (94, 20998), (Start: 96 @21004 has 1 MA's), (115, 21067), (130, 21106), (164, 21247), (175, 21295),

Gene: Sultana_28 Start: 21628, Stop: 22074, Start Num: 74
Candidate Starts for Sultana_28:
(Start: 74 @21628 has 627 MA's), (94, 21697), (Start: 96 @21703 has 1 MA's), (101, 21724), (Start: 107 @21745 has 4 MA's), (128, 21796), (155, 21916), (164, 21946), (171, 21970), (175, 21994), (176, 21997), (197, 22051),

Gene: SummitAcademy_18 Start: 17190, Stop: 17582, Start Num: 69
Candidate Starts for SummitAcademy_18:
(Start: 69 @17190 has 26 MA's), (83, 17211), (93, 17265), (95, 17271), (98, 17280), (111, 17301), (117, 17316), (126, 17337), (167, 17478), (169, 17487), (173, 17508),

Gene: Sumter_27 Start: 22490, Stop: 22936, Start Num: 74
Candidate Starts for Sumter_27:
(Start: 74 @22490 has 627 MA's), (104, 22604), (105, 22607), (122, 22649), (124, 22655), (183, 22883),

Gene: Sunhee_29 Start: 21262, Stop: 21711, Start Num: 72
Candidate Starts for Sunhee_29:
(Start: 72 @21262 has 121 MA's), (106, 21379), (153, 21532), (164, 21583), (175, 21631), (184, 21658), (197, 21688),

Gene: Sunshine924_29 Start: 22771, Stop: 23217, Start Num: 74
Candidate Starts for Sunshine924_29:
(Start: 74 @22771 has 627 MA's), (104, 22885), (105, 22888), (122, 22930), (124, 22936), (183, 23164),

Gene: SuperAwesome_32 Start: 21757, Stop: 22209, Start Num: 72

Candidate Starts for SuperAwesome_32:
(Start: 72 @21757 has 121 MA's), (89, 21814), (Start: 96 @21838 has 1 MA's), (124, 21922), (153, 22030), (164, 22081), (175, 22129), (182, 22144),

Gene: SuperCallie99_32 Start: 21756, Stop: 22208, Start Num: 72
Candidate Starts for SuperCallie99_32:
(Start: 72 @21756 has 121 MA's), (89, 21813), (Start: 96 @21837 has 1 MA's), (124, 21921), (153, 22029), (164, 22080), (175, 22128), (182, 22143),

Gene: Superchunk_28 Start: 20646, Stop: 21095, Start Num: 76
Candidate Starts for Superchunk_28:
(Start: 76 @20646 has 8 MA's), (Start: 96 @20724 has 1 MA's), (113, 20784), (153, 20916), (155, 20937), (158, 20943), (175, 21015), (197, 21072),

Gene: Survivors_21 Start: 18272, Stop: 18658, Start Num: 71
Candidate Starts for Survivors_21:
(Start: 71 @18272 has 35 MA's), (92, 18344), (98, 18362), (111, 18383), (120, 18404), (121, 18407), (131, 18428), (150, 18482), (155, 18521), (163, 18548), (169, 18569), (173, 18590),

Gene: Swann_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for Swann_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: SweatNTears_21 Start: 17608, Stop: 17997, Start Num: 71
Candidate Starts for SweatNTears_21:
(Start: 62 @17599 has 9 MA's), (Start: 71 @17608 has 35 MA's), (92, 17680), (93, 17683), (98, 17698), (111, 17719), (117, 17734), (120, 17740), (131, 17764), (169, 17905), (173, 17926), (185, 17968),

Gene: SweetiePie_29 Start: 21967, Stop: 22413, Start Num: 79
Candidate Starts for SweetiePie_29:
(Start: 79 @21967 has 56 MA's), (Start: 96 @22042 has 1 MA's), (153, 22234), (175, 22333), (184, 22360), (197, 22390),

Gene: SwirlSquare_30 Start: 20806, Stop: 21249, Start Num: 74
Candidate Starts for SwirlSquare_30:
(Start: 74 @20806 has 627 MA's), (Start: 96 @20881 has 1 MA's), (113, 20941), (164, 21124), (175, 21172), (197, 21229),

Gene: Swirley_25 Start: 21444, Stop: 21908, Start Num: 74
Candidate Starts for Swirley_25:
(Start: 74 @21444 has 627 MA's), (165, 21768), (169, 21780), (180, 21822), (197, 21870), (198, 21879),

Gene: SwissCheese_30 Start: 23669, Stop: 24115, Start Num: 74
Candidate Starts for SwissCheese_30:
(55, 23621), (Start: 74 @23669 has 627 MA's), (104, 23783), (105, 23786), (122, 23828), (124, 23834), (183, 24062),

Gene: Switzer_29 Start: 23073, Stop: 23519, Start Num: 74
Candidate Starts for Switzer_29:
(Start: 74 @23073 has 627 MA's), (Start: 82 @23085 has 8 MA's), (104, 23187), (105, 23190), (122, 23232), (124, 23238), (183, 23466),

Gene: Switzerland_31 Start: 21080, Stop: 21523, Start Num: 74
Candidate Starts for Switzerland_31:
(Start: 74 @21080 has 627 MA's), (83, 21089), (94, 21149), (Start: 96 @21155 has 1 MA's), (115, 21218), (130, 21257), (164, 21398), (175, 21446),

Gene: Swole_30 Start: 23482, Stop: 23928, Start Num: 74
Candidate Starts for Swole_30:
(Start: 74 @23482 has 627 MA's), (104, 23596), (105, 23599), (122, 23641), (124, 23647), (183, 23875),

Gene: SydNat_25 Start: 21729, Stop: 22193, Start Num: 74
Candidate Starts for SydNat_25:
(Start: 74 @21729 has 627 MA's), (106, 21846), (152, 21990), (180, 22107), (181, 22110), (197, 22155), (198, 22164),

Gene: Syleon_29 Start: 23637, Stop: 24110, Start Num: 67
Candidate Starts for Syleon_29:
(Start: 67 @23637 has 4 MA's), (Start: 73 @23646 has 4 MA's), (86, 23679), (103, 23748), (108, 23757), (116, 23775), (117, 23778), (131, 23808), (135, 23832), (140, 23844), (153, 23904), (156, 23925), (160, 23943), (173, 23994), (183, 24030), (194, 24063), (201, 24084),

Gene: TNguyen7_28 Start: 21727, Stop: 22170, Start Num: 74
Candidate Starts for TNguyen7_28:
(29, 21541), (Start: 60 @21700 has 1 MA's), (Start: 74 @21727 has 627 MA's), (94, 21796), (101, 21823), (155, 22015), (164, 22045), (175, 22093), (184, 22120), (199, 22162),

Gene: TWAMP_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for TWAMP_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Tailonex_25 Start: 22169, Stop: 22567, Start Num: 81
Candidate Starts for Tailonex_25:
(Start: 78 @22163 has 34 MA's), (Start: 81 @22169 has 32 MA's), (101, 22262), (130, 22340), (175, 22529), (184, 22556),

Gene: Takoda_24 Start: 17948, Stop: 18388, Start Num: 80
Candidate Starts for Takoda_24:
(27, 17729), (32, 17750), (50, 17867), (59, 17900), (Start: 80 @17948 has 82 MA's), (86, 17975), (122, 18101), (128, 18116), (134, 18143), (158, 18239), (169, 18278), (186, 18341),

Gene: Taotie_18 Start: 20067, Stop: 20456, Start Num: 74
Candidate Starts for Taotie_18:
(Start: 74 @20067 has 627 MA's), (92, 20133), (93, 20136), (136, 20244), (171, 20373), (181, 20412),

Gene: Taquarus_28 Start: 21630, Stop: 22076, Start Num: 74
Candidate Starts for Taquarus_28:
(Start: 74 @21630 has 627 MA's), (94, 21699), (Start: 96 @21705 has 1 MA's), (101, 21726), (Start: 107 @21747 has 4 MA's), (128, 21798), (155, 21918), (164, 21948), (171, 21972), (175, 21996), (176, 21999), (197, 22053),

Gene: Target_31 Start: 24456, Stop: 24902, Start Num: 74

Candidate Starts for Target_31:
(Start: 74 @24456 has 627 MA's), (104, 24570), (105, 24573), (122, 24615), (124, 24621), (183, 24849),

Gene: Tarnish_19 Start: 17480, Stop: 17872, Start Num: 69
Candidate Starts for Tarnish_19:
(Start: 69 @17480 has 26 MA's), (83, 17501), (93, 17555), (95, 17561), (98, 17570), (111, 17591), (117, 17606), (126, 17627), (167, 17768), (169, 17777), (173, 17798),

Gene: TarsusIV_29 Start: 22058, Stop: 22504, Start Num: 79
Candidate Starts for TarsusIV_29:
(Start: 79 @22058 has 56 MA's), (Start: 96 @22133 has 1 MA's), (Start: 107 @22175 has 4 MA's), (113, 22193), (153, 22325), (155, 22346), (175, 22424), (184, 22451), (197, 22481),

Gene: Tarynearal_24 Start: 21466, Stop: 21930, Start Num: 74
Candidate Starts for Tarynearal_24:
(Start: 74 @21466 has 627 MA's), (165, 21790), (169, 21802), (180, 21844), (197, 21892), (198, 21901),

Gene: Tasp14_29 Start: 23186, Stop: 23632, Start Num: 74
Candidate Starts for Tasp14_29:
(Start: 74 @23186 has 627 MA's), (Start: 82 @23198 has 8 MA's), (104, 23300), (105, 23303), (122, 23345), (124, 23351), (183, 23579),

Gene: Taurus_30 Start: 22197, Stop: 22640, Start Num: 74
Candidate Starts for Taurus_30:
(Start: 74 @22197 has 627 MA's), (94, 22266), (101, 22293), (128, 22365), (155, 22485), (164, 22515), (175, 22563), (199, 22632),

Gene: Temprado_32 Start: 21765, Stop: 22217, Start Num: 72
Candidate Starts for Temprado_32:
(Start: 72 @21765 has 121 MA's), (89, 21822), (Start: 96 @21846 has 1 MA's), (124, 21930), (153, 22038), (164, 22089), (175, 22137), (182, 22152),

Gene: Teodoridan_26 Start: 22307, Stop: 22753, Start Num: 74
Candidate Starts for Teodoridan_26:
(Start: 74 @22307 has 627 MA's), (Start: 82 @22319 has 8 MA's), (104, 22421), (105, 22424), (122, 22466), (124, 22472), (183, 22700),

Gene: Terrific_31 Start: 22457, Stop: 22903, Start Num: 79
Candidate Starts for Terrific_31:
(17, 22226), (41, 22412), (Start: 42 @22418 has 1 MA's), (Start: 79 @22457 has 56 MA's), (Start: 96 @22532 has 1 MA's), (106, 22571), (153, 22724), (155, 22745), (175, 22823), (184, 22850), (197, 22880),

Gene: Texage_28 Start: 22278, Stop: 22721, Start Num: 74
Candidate Starts for Texage_28:
(Start: 74 @22278 has 627 MA's), (94, 22347), (101, 22374), (128, 22446), (155, 22566), (164, 22596), (175, 22644),

Gene: Thanksgivukkah_28 Start: 21631, Stop: 22077, Start Num: 74
Candidate Starts for Thanksgivukkah_28:

(Start: 74 @21631 has 627 MA's), (94, 21700), (Start: 96 @21706 has 1 MA's), (101, 21727), (Start: 107 @21748 has 4 MA's), (128, 21799), (155, 21919), (164, 21949), (171, 21973), (175, 21997), (176, 22000), (197, 22054),

Gene: Theia_23 Start: 21484, Stop: 21948, Start Num: 74
Candidate Starts for Theia_23:
(Start: 74 @21484 has 627 MA's), (165, 21808), (169, 21820), (180, 21862), (186, 21883), (198, 21919),

Gene: TheloniousMonk_30 Start: 24600, Stop: 25046, Start Num: 74
Candidate Starts for TheloniousMonk_30:
(Start: 74 @24600 has 627 MA's), (104, 24714), (105, 24717), (122, 24759), (124, 24765), (183, 24993),

Gene: Thor_28 Start: 23061, Stop: 23507, Start Num: 74
Candidate Starts for Thor_28:
(Start: 74 @23061 has 627 MA's), (104, 23175), (105, 23178), (122, 23220), (124, 23226), (183, 23454),

Gene: Tiffany_30 Start: 22092, Stop: 22535, Start Num: 74
Candidate Starts for Tiffany_30:
(Start: 74 @22092 has 627 MA's), (94, 22161), (101, 22188), (128, 22260), (155, 22380), (164, 22410), (175, 22458), (199, 22527),

Gene: Tiger_25 Start: 21368, Stop: 21832, Start Num: 74
Candidate Starts for Tiger_25:
(Start: 74 @21368 has 627 MA's), (137, 21584), (165, 21692), (169, 21704), (180, 21746), (186, 21767), (198, 21803),

Gene: Timothy_29 Start: 22627, Stop: 23070, Start Num: 78
Candidate Starts for Timothy_29:
(Start: 78 @22627 has 34 MA's), (Start: 96 @22702 has 1 MA's), (153, 22894), (155, 22915), (175, 22993), (198, 23059),

Gene: Timshel_29 Start: 24668, Stop: 25138, Start Num: 68
Candidate Starts for Timshel_29:
(Start: 68 @24668 has 2 MA's), (Start: 75 @24677 has 10 MA's), (86, 24710), (Start: 96 @24758 has 1 MA's), (128, 24851), (192, 25094),

Gene: TinaFeyge_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for TinaFeyge_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: TinyPebbles_30 Start: 22284, Stop: 22727, Start Num: 74
Candidate Starts for TinyPebbles_30:
(Start: 74 @22284 has 627 MA's), (94, 22353), (101, 22380), (128, 22452), (155, 22572), (164, 22602), (175, 22650), (199, 22719),

Gene: TinyTimmy_29 Start: 22670, Stop: 23113, Start Num: 78
Candidate Starts for TinyTimmy_29:

(Start: 39 @22607 has 1 MA's), (Start: 78 @22670 has 34 MA's), (Start: 96 @22745 has 1 MA's), (153, 22937), (155, 22958), (175, 23036), (198, 23102),

Gene: Tinybot_27 Start: 21607, Stop: 22053, Start Num: 74
Candidate Starts for Tinybot_27:
(Start: 74 @21607 has 627 MA's), (94, 21676), (Start: 96 @21682 has 1 MA's), (101, 21703), (Start: 107 @21724 has 4 MA's), (128, 21775), (155, 21895), (164, 21925), (171, 21949), (175, 21973), (176, 21976), (197, 22030),

Gene: TipsytheTRex_28 Start: 21114, Stop: 21557, Start Num: 74
Candidate Starts for TipsytheTRex_28:
(Start: 74 @21114 has 627 MA's), (Start: 96 @21189 has 1 MA's), (113, 21249), (164, 21432), (175, 21480), (197, 21537),

Gene: TiroTheta9_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for TiroTheta9_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Toaka_28 Start: 21715, Stop: 22167, Start Num: 72
Candidate Starts for Toaka_28:
(33, 21607), (40, 21661), (Start: 72 @21715 has 121 MA's), (Start: 96 @21796 has 1 MA's), (155, 22009), (164, 22039), (175, 22087),

Gene: Todacoro_29 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for Todacoro_29:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Tolls_21 Start: 17118, Stop: 17507, Start Num: 71
Candidate Starts for Tolls_21:
(Start: 62 @17109 has 9 MA's), (Start: 71 @17118 has 35 MA's), (92, 17190), (93, 17193), (98, 17208), (111, 17229), (121, 17253), (158, 17373), (169, 17415), (173, 17436), (185, 17478),

Gene: Tomathan_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for Tomathan_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: ToneTone_30 Start: 21691, Stop: 22143, Start Num: 72
Candidate Starts for ToneTone_30:
(Start: 72 @21691 has 121 MA's), (89, 21748), (Start: 96 @21772 has 1 MA's), (124, 21856), (153, 21964), (164, 22015), (175, 22063), (182, 22078),

Gene: Topanga_28 Start: 21724, Stop: 22170, Start Num: 74
Candidate Starts for Topanga_28:
(Start: 74 @21724 has 627 MA's), (101, 21820), (128, 21892), (164, 22042), (175, 22090),

Gene: Topgun_28 Start: 22814, Stop: 23260, Start Num: 74
Candidate Starts for Topgun_28:
(Start: 74 @22814 has 627 MA's), (104, 22928), (105, 22931), (122, 22973), (124, 22979), (183, 23207),

Gene: Toro_31 Start: 24743, Stop: 25210, Start Num: 69
Candidate Starts for Toro_31:
(Start: 69 @24743 has 26 MA's), (86, 24785), (Start: 96 @24833 has 1 MA's), (101, 24854), (113, 24893), (128, 24926), (129, 24929), (192, 25169),

Gene: Tote_30 Start: 23482, Stop: 23928, Start Num: 74
Candidate Starts for Tote_30:
(Start: 74 @23482 has 627 MA's), (104, 23596), (105, 23599), (122, 23641), (124, 23647), (183, 23875),

Gene: TouchMeNot_20 Start: 19090, Stop: 19509, Start Num: 74
Candidate Starts for TouchMeNot_20:
(Start: 74 @19090 has 627 MA's), (93, 19159), (117, 19213),

Gene: Tourach_19 Start: 18745, Stop: 19242, Start Num: 81
Candidate Starts for Tourach_19:
(Start: 81 @18745 has 32 MA's), (86, 18769), (110, 18853), (121, 18880), (125, 18889), (157, 19012), (161, 19030), (173, 19075), (187, 19123), (201, 19165), (203, 19177),

Gene: Traft412_30 Start: 23904, Stop: 24350, Start Num: 74
Candidate Starts for Traft412_30:
(Start: 74 @23904 has 627 MA's), (104, 24018), (105, 24021), (122, 24063), (124, 24069), (183, 24297),

Gene: Travvers_32 Start: 21856, Stop: 22299, Start Num: 74
Candidate Starts for Travvers_32:
(Start: 74 @21856 has 627 MA's), (Start: 96 @21931 has 1 MA's), (113, 21991), (153, 22123), (164, 22174), (175, 22222), (197, 22279), (200, 22291),

Gene: Trax_29 Start: 25362, Stop: 25826, Start Num: 76
Candidate Starts for Trax_29:
(Start: 76 @25362 has 8 MA's), (86, 25395), (90, 25425), (103, 25464), (108, 25473), (112, 25485), (116, 25491), (117, 25494), (131, 25524), (140, 25560), (149, 25584), (151, 25596), (153, 25620), (162, 25662), (173, 25707), (187, 25755), (191, 25767), (194, 25776), (201, 25797), (202, 25803),

Gene: Treddle_30 Start: 24194, Stop: 24640, Start Num: 74
Candidate Starts for Treddle_30:
(Start: 74 @24194 has 627 MA's), (104, 24308), (105, 24311), (122, 24353), (124, 24359), (183, 24587),

Gene: TriFive_20 Start: 19275, Stop: 19724, Start Num: 80
Candidate Starts for TriFive_20:
(Start: 80 @19275 has 82 MA's), (88, 19320), (91, 19332), (95, 19347), (114, 19404), (120, 19416), (125, 19428), (131, 19440), (135, 19464), (139, 19473), (147, 19491), (159, 19560), (161, 19569), (201, 19704),

Gene: Trike_26 Start: 19696, Stop: 20142, Start Num: 74
Candidate Starts for Trike_26:
(Start: 74 @19696 has 627 MA's), (94, 19765), (101, 19792), (128, 19864), (164, 20014), (175, 20062),

Gene: Tripl3t_29 Start: 23813, Stop: 24259, Start Num: 74
Candidate Starts for Tripl3t_29:

(Start: 74 @23813 has 627 MA's), (104, 23927), (105, 23930), (122, 23972), (124, 23978), (183, 24206),

Gene: Tristan_30 Start: 23597, Stop: 24043, Start Num: 75
Candidate Starts for Tristan_30:
(Start: 42 @23558 has 1 MA's), (Start: 75 @23597 has 10 MA's), (Start: 96 @23672 has 1 MA's), (106, 23711), (113, 23732), (153, 23864), (155, 23885), (164, 23915), (175, 23963), (184, 23990), (197, 24020),

Gene: Trixie_32 Start: 23642, Stop: 24088, Start Num: 72
Candidate Starts for Trixie_32:
(45, 23618), (Start: 72 @23642 has 121 MA's), (Start: 96 @23717 has 1 MA's), (97, 23720), (106, 23756), (113, 23777), (153, 23909), (155, 23930), (164, 23960), (171, 23984), (175, 24008), (184, 24035), (197, 24065),

Gene: Troje_19 Start: 17070, Stop: 17468, Start Num: 62
Candidate Starts for Troje_19:
(Start: 62 @17070 has 9 MA's), (Start: 71 @17079 has 35 MA's), (92, 17151), (93, 17154), (98, 17169), (111, 17190), (117, 17205), (120, 17211), (131, 17235), (158, 17334), (169, 17376), (173, 17397), (185, 17439),

Gene: Trooper_29 Start: 21828, Stop: 22274, Start Num: 75
Candidate Starts for Trooper_29:
(Start: 75 @21828 has 10 MA's), (Start: 96 @21903 has 1 MA's), (113, 21963), (153, 22095), (155, 22116), (175, 22194), (184, 22221),

Gene: Trouble_29 Start: 23760, Stop: 24206, Start Num: 74
Candidate Starts for Trouble_29:
(Start: 74 @23760 has 627 MA's), (Start: 82 @23772 has 8 MA's), (104, 23874), (105, 23877), (122, 23919), (124, 23925), (183, 24153),

Gene: Troy_18 Start: 17982, Stop: 18359, Start Num: 82
Candidate Starts for Troy_18:
(Start: 82 @17982 has 8 MA's), (84, 17991), (87, 18012), (90, 18033), (Start: 96 @18054 has 1 MA's), (112, 18093), (148, 18189), (157, 18243), (173, 18294), (179, 18315),

Gene: TroyPia_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for TroyPia_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (197, 22050),

Gene: Tubs_31 Start: 23557, Stop: 24006, Start Num: 72
Candidate Starts for Tubs_31:
(Start: 72 @23557 has 121 MA's), (Start: 96 @23638 has 1 MA's), (155, 23851), (164, 23881), (175, 23929), (197, 23986),

Gene: Tucker_32 Start: 21777, Stop: 22229, Start Num: 72
Candidate Starts for Tucker_32:
(Start: 72 @21777 has 121 MA's), (89, 21834), (Start: 96 @21858 has 1 MA's), (124, 21942), (153, 22050), (164, 22101), (175, 22149), (182, 22164),

Gene: Turbido_31 Start: 22484, Stop: 22930, Start Num: 79

Candidate Starts for Turbido_31:
(15, 22172), (19, 22262), (Start: 42 @22445 has 1 MA's), (Start: 79 @22484 has 56 MA's), (Start: 96 @22559 has 1 MA's), (113, 22619), (153, 22751), (175, 22850), (184, 22877),

Gene: Turj99_27 Start: 22700, Stop: 23146, Start Num: 74
Candidate Starts for Turj99_27:
(Start: 74 @22700 has 627 MA's), (Start: 82 @22712 has 8 MA's), (104, 22814), (105, 22817), (122, 22859), (124, 22865), (183, 23093),

Gene: Twigg_25 Start: 21439, Stop: 21903, Start Num: 74
Candidate Starts for Twigg_25:
(Start: 74 @21439 has 627 MA's), (165, 21763), (169, 21775), (180, 21817), (197, 21865), (198, 21874),

Gene: Twister_28 Start: 21620, Stop: 22066, Start Num: 74
Candidate Starts for Twister_28:
(Start: 74 @21620 has 627 MA's), (94, 21689), (101, 21716), (128, 21788), (164, 21938), (175, 21986),

Gene: TwoPeat_29 Start: 23281, Stop: 23727, Start Num: 74
Candidate Starts for TwoPeat_29:
(Start: 74 @23281 has 627 MA's), (104, 23395), (105, 23398), (122, 23440), (124, 23446), (183, 23674),

Gene: TygerBlood_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for TygerBlood_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (197, 22050),

Gene: Typhonomachy_19 Start: 17442, Stop: 17831, Start Num: 71
Candidate Starts for Typhonomachy_19:
(Start: 71 @17442 has 35 MA's), (92, 17514), (93, 17517), (98, 17532), (111, 17553), (117, 17568), (126, 17589), (139, 17631), (158, 17697), (168, 17733), (169, 17739), (173, 17760), (185, 17802),

Gene: Tyson_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Tyson_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: U2_28 Start: 23079, Stop: 23525, Start Num: 74
Candidate Starts for U2_28:
(Start: 74 @23079 has 627 MA's), (104, 23193), (105, 23196), (122, 23238), (124, 23244), (183, 23472),

Gene: UPIE_19 Start: 18548, Stop: 18994, Start Num: 80
Candidate Starts for UPIE_19:
(Start: 80 @18548 has 82 MA's), (88, 18593), (91, 18605), (114, 18674), (125, 18698), (131, 18710), (161, 18839), (163, 18842), (169, 18863), (173, 18884), (196, 18956), (201, 18974), (203, 18986),

Gene: Ugenie5_28 Start: 23590, Stop: 24039, Start Num: 72
Candidate Starts for Ugenie5_28:
(Start: 72 @23590 has 121 MA's), (Start: 96 @23671 has 1 MA's), (155, 23884), (164, 23914), (175, 23962), (197, 24019),

Gene: UhSalsa_24 Start: 17988, Stop: 18428, Start Num: 80
Candidate Starts for UhSalsa_24:
(27, 17769), (32, 17790), (50, 17907), (59, 17940), (Start: 80 @17988 has 82 MA's), (86, 18015), (122, 18141), (128, 18156), (134, 18183), (158, 18279), (169, 18318),

Gene: Ulysses_27 Start: 21348, Stop: 21794, Start Num: 74
Candidate Starts for Ulysses_27:
(Start: 74 @21348 has 627 MA's), (94, 21417), (Start: 96 @21423 has 1 MA's), (101, 21444), (Start: 107 @21465 has 4 MA's), (128, 21516), (155, 21636), (164, 21666), (171, 21690), (175, 21714), (176, 21717), (197, 21771),

Gene: Underpass_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for Underpass_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: UnionJack_25 Start: 20497, Stop: 20961, Start Num: 74
Candidate Starts for UnionJack_25:
(Start: 74 @20497 has 627 MA's), (180, 20875), (181, 20878), (186, 20896), (197, 20923), (198, 20932),

Gene: Updawg_31 Start: 22445, Stop: 22891, Start Num: 79
Candidate Starts for Updawg_31:
(17, 22214), (41, 22400), (Start: 42 @22406 has 1 MA's), (Start: 79 @22445 has 56 MA's), (Start: 96 @22520 has 1 MA's), (106, 22559), (153, 22712), (175, 22811), (184, 22838), (197, 22868),

Gene: VA6_29 Start: 22012, Stop: 22455, Start Num: 74
Candidate Starts for VA6_29:
(Start: 74 @22012 has 627 MA's), (Start: 96 @22087 has 1 MA's), (113, 22147), (153, 22279), (164, 22330), (175, 22378),

Gene: VC3_32 Start: 22000, Stop: 22443, Start Num: 74
Candidate Starts for VC3_32:
(Start: 74 @22000 has 627 MA's), (Start: 96 @22075 has 1 MA's), (113, 22135), (153, 22267), (164, 22318), (175, 22366),

Gene: Vanisoa_28 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for Vanisoa_28:
(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: Veracruz_28 Start: 22277, Stop: 22720, Start Num: 74
Candidate Starts for Veracruz_28:
(Start: 74 @22277 has 627 MA's), (94, 22346), (101, 22373), (128, 22445), (155, 22565), (164, 22595), (175, 22643),

Gene: Vetrix_19 Start: 18753, Stop: 19250, Start Num: 81
Candidate Starts for Vetrix_19:
(Start: 81 @18753 has 32 MA's), (86, 18777), (110, 18861), (121, 18888), (125, 18897), (157, 19020), (161, 19038), (172, 19074), (173, 19083), (187, 19131), (201, 19173), (203, 19185),

Gene: Vine_20 Start: 18125, Stop: 18514, Start Num: 69

Candidate Starts for Vine_20:
(Start: 69 @18125 has 26 MA's), (83, 18146), (93, 18200), (95, 18206), (98, 18215), (111, 18236), (117, 18251), (126, 18272), (167, 18413), (169, 18422), (173, 18443),

Gene: Violet_27 Start: 23486, Stop: 23932, Start Num: 74
Candidate Starts for Violet_27:
(Start: 74 @23486 has 627 MA's), (Start: 82 @23498 has 8 MA's), (104, 23600), (105, 23603), (122, 23645), (124, 23651), (183, 23879),

Gene: Vix_30 Start: 22280, Stop: 22723, Start Num: 74
Candidate Starts for Vix_30:
(Start: 74 @22280 has 627 MA's), (94, 22349), (101, 22376), (128, 22448), (155, 22568), (164, 22598), (175, 22646), (199, 22715),

Gene: VohminGhazi_32 Start: 21764, Stop: 22216, Start Num: 72
Candidate Starts for VohminGhazi_32:
(Start: 72 @21764 has 121 MA's), (89, 21821), (Start: 96 @21845 has 1 MA's), (124, 21929), (153, 22037), (164, 22088), (175, 22136), (182, 22151),

Gene: Volt_56 Start: 30613, Stop: 31011, Start Num: 66
Candidate Starts for Volt_56:
(Start: 66 @30613 has 4 MA's), (Start: 81 @30634 has 32 MA's), (93, 30694), (95, 30700), (108, 30724), (117, 30745), (120, 30751), (126, 30766), (146, 30835), (151, 30856), (154, 30892), (172, 30955), (173, 30964), (174, 30967),

Gene: Vordorf_23 Start: 20032, Stop: 20418, Start Num: 109
Candidate Starts for Vordorf_23:
(14, 19495), (25, 19678), (26, 19681), (47, 19828), (48, 19831), (85, 19930), (Start: 107 @20026 has 4 MA's), (Start: 109 @20032 has 1 MA's), (123, 20065), (177, 20284), (186, 20314), (195, 20338),

Gene: Waits_31 Start: 20935, Stop: 21378, Start Num: 74
Candidate Starts for Waits_31:
(Start: 74 @20935 has 627 MA's), (83, 20944), (94, 21004), (Start: 96 @21010 has 1 MA's), (115, 21073), (130, 21112), (164, 21253), (175, 21301),

Gene: Wallaby_23 Start: 18416, Stop: 18802, Start Num: 71
Candidate Starts for Wallaby_23:
(Start: 71 @18416 has 35 MA's), (92, 18488), (98, 18506), (111, 18527), (120, 18548), (121, 18551), (131, 18572), (150, 18626), (155, 18665), (163, 18692), (169, 18713), (173, 18734),

Gene: WalterMcMickey_28 Start: 21620, Stop: 22066, Start Num: 74
Candidate Starts for WalterMcMickey_28:
(Start: 74 @21620 has 627 MA's), (94, 21689), (101, 21716), (128, 21788), (164, 21938), (175, 21986),

Gene: Wamburgrxpress_19 Start: 18563, Stop: 19009, Start Num: 80
Candidate Starts for Wamburgrxpress_19:
(Start: 80 @18563 has 82 MA's), (88, 18608), (91, 18620), (114, 18689), (125, 18713), (131, 18725), (161, 18854), (163, 18857), (169, 18878), (173, 18899), (196, 18971), (201, 18989), (203, 19001),

Gene: Wander_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Wander_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176,

21996), (197, 22050),

Gene: Warrior24_31 Start: 20939, Stop: 21382, Start Num: 74
Candidate Starts for Warrior24_31:
(Start: 74 @20939 has 627 MA's), (83, 20948), (94, 21008), (Start: 96 @21014 has 1 MA's), (115, 21077), (130, 21116), (164, 21257), (175, 21305),

Gene: Watermelon_30 Start: 23822, Stop: 24268, Start Num: 74
Candidate Starts for Watermelon_30:
(Start: 74 @23822 has 627 MA's), (104, 23936), (105, 23939), (122, 23981), (124, 23987), (183, 24215),

Gene: Watson_30 Start: 22190, Stop: 22633, Start Num: 74
Candidate Starts for Watson_30:
(Start: 74 @22190 has 627 MA's), (94, 22259), (101, 22286), (128, 22358), (155, 22478), (164, 22508), (175, 22556), (199, 22625),

Gene: WeiHuaDA_34 Start: 24313, Stop: 24759, Start Num: 72
Candidate Starts for WeiHuaDA_34:
(45, 24289), (Start: 72 @24313 has 121 MA's), (Start: 96 @24388 has 1 MA's), (97, 24391), (106, 24427), (113, 24448), (153, 24580), (155, 24601), (164, 24631), (171, 24655), (175, 24679), (184, 24706), (197, 24736),

Gene: Whabigail7_31 Start: 22472, Stop: 22918, Start Num: 79
Candidate Starts for Whabigail7_31:
(15, 22160), (19, 22250), (Start: 42 @22433 has 1 MA's), (Start: 79 @22472 has 56 MA's), (Start: 96 @22547 has 1 MA's), (113, 22607), (153, 22739), (175, 22838), (184, 22865),

Gene: Wheeler_28 Start: 23254, Stop: 23700, Start Num: 74
Candidate Starts for Wheeler_28:
(Start: 74 @23254 has 627 MA's), (104, 23368), (105, 23371), (122, 23413), (124, 23419), (183, 23647),

Gene: Whirlwind_21 Start: 19032, Stop: 19481, Start Num: 80
Candidate Starts for Whirlwind_21:
(Start: 80 @19032 has 82 MA's), (88, 19077), (91, 19089), (95, 19104), (114, 19161), (125, 19185), (131, 19197), (135, 19221), (139, 19230), (147, 19248), (159, 19317), (161, 19326), (163, 19329), (201, 19461),

Gene: Whitspit_29 Start: 23606, Stop: 24052, Start Num: 74
Candidate Starts for Whitspit_29:
(Start: 74 @23606 has 627 MA's), (Start: 82 @23618 has 8 MA's), (104, 23720), (105, 23723), (122, 23765), (124, 23771), (183, 23999),

Gene: WideWale_31 Start: 22445, Stop: 22891, Start Num: 79
Candidate Starts for WideWale_31:
(17, 22214), (41, 22400), (Start: 42 @22406 has 1 MA's), (Start: 79 @22445 has 56 MA's), (Start: 96 @22520 has 1 MA's), (106, 22559), (153, 22712), (175, 22811), (184, 22838), (197, 22868),

Gene: Wigglewiggle_19 Start: 18779, Stop: 19276, Start Num: 81
Candidate Starts for Wigglewiggle_19:
(Start: 81 @18779 has 32 MA's), (86, 18803), (110, 18887), (121, 18914), (125, 18923), (157, 19046), (161, 19064), (172, 19100), (173, 19109), (187, 19157), (201, 19199), (203, 19211),

Gene: Wiks_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for Wiks_32:
(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Wilbur_28 Start: 21627, Stop: 22073, Start Num: 74
Candidate Starts for Wilbur_28:
(Start: 74 @21627 has 627 MA's), (94, 21696), (Start: 96 @21702 has 1 MA's), (101, 21723), (Start: 107 @21744 has 4 MA's), (128, 21795), (155, 21915), (164, 21945), (171, 21969), (175, 21993), (176, 21996), (197, 22050),

Gene: Wilder_19 Start: 18752, Stop: 19249, Start Num: 81
Candidate Starts for Wilder_19:
(Start: 81 @18752 has 32 MA's), (86, 18776), (110, 18860), (121, 18887), (125, 18896), (157, 19019), (161, 19037), (172, 19073), (173, 19082), (187, 19130), (201, 19172), (203, 19184),

Gene: Wile_28 Start: 21658, Stop: 22104, Start Num: 74
Candidate Starts for Wile_28:
(Start: 74 @21658 has 627 MA's), (94, 21727), (101, 21754), (106, 21772), (128, 21826), (155, 21946), (164, 21976), (169, 21991), (175, 22024),

Gene: Wilkins_28 Start: 22792, Stop: 23238, Start Num: 74
Candidate Starts for Wilkins_28:
(Start: 74 @22792 has 627 MA's), (104, 22906), (105, 22909), (122, 22951), (124, 22957), (183, 23185),

Gene: Winky_19 Start: 18747, Stop: 19244, Start Num: 81
Candidate Starts for Winky_19:
(Start: 81 @18747 has 32 MA's), (86, 18771), (110, 18855), (121, 18882), (125, 18891), (157, 19014), (161, 19032), (172, 19068), (173, 19077), (187, 19125), (201, 19167), (203, 19179),

Gene: Wizard007_28 Start: 21629, Stop: 22075, Start Num: 74
Candidate Starts for Wizard007_28:
(Start: 74 @21629 has 627 MA's), (94, 21698), (Start: 96 @21704 has 1 MA's), (101, 21725), (Start: 107 @21746 has 4 MA's), (128, 21797), (155, 21917), (164, 21947), (171, 21971), (175, 21995), (176, 21998), (197, 22052),

Gene: Wolfwood_21 Start: 18416, Stop: 18802, Start Num: 71
Candidate Starts for Wolfwood_21:
(Start: 71 @18416 has 35 MA's), (92, 18488), (98, 18506), (111, 18527), (120, 18548), (121, 18551), (131, 18572), (150, 18626), (155, 18665), (163, 18692), (169, 18713), (173, 18734),

Gene: Wolpertinger_28 Start: 22630, Stop: 23073, Start Num: 78
Candidate Starts for Wolpertinger_28:
(Start: 78 @22630 has 34 MA's), (Start: 96 @22705 has 1 MA's), (153, 22897), (155, 22918), (175, 22996), (198, 23062),

Gene: Wooldri_32 Start: 22109, Stop: 22552, Start Num: 74
Candidate Starts for Wooldri_32:
(Start: 74 @22109 has 627 MA's), (94, 22178), (101, 22205), (128, 22277), (155, 22397), (164, 22427), (175, 22475), (199, 22544),

Gene: WorldCup_27 Start: 21416, Stop: 21865, Start Num: 72
Candidate Starts for WorldCup_27:
(Start: 72 @21416 has 121 MA's), (Start: 96 @21494 has 1 MA's), (153, 21686), (164, 21737), (175, 21785),

Gene: WunderPhul_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for WunderPhul_32:
(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Wyatt2_19 Start: 18550, Stop: 18996, Start Num: 80
Candidate Starts for Wyatt2_19:
(Start: 80 @18550 has 82 MA's), (88, 18595), (91, 18607), (114, 18676), (125, 18700), (131, 18712), (161, 18841), (163, 18844), (169, 18865), (173, 18886), (196, 18958), (201, 18976), (203, 18988),

Gene: Xena_28 Start: 21645, Stop: 22091, Start Num: 74
Candidate Starts for Xena_28:
(Start: 74 @21645 has 627 MA's), (94, 21714), (101, 21741), (106, 21759), (128, 21813), (155, 21933), (164, 21963), (169, 21978), (175, 22011),

Gene: XianYue_29 Start: 21926, Stop: 22372, Start Num: 79
Candidate Starts for XianYue_29:
(Start: 79 @21926 has 56 MA's), (Start: 96 @22001 has 1 MA's), (106, 22040), (113, 22061), (153, 22193), (175, 22292), (184, 22319), (197, 22349),

Gene: Yakult_20 Start: 17008, Stop: 17403, Start Num: 69
Candidate Starts for Yakult_20:
(Start: 69 @17008 has 26 MA's), (83, 17029), (93, 17083), (98, 17098), (111, 17119), (117, 17134), (126, 17155), (139, 17197), (169, 17305), (171, 17314), (173, 17326), (190, 17380),

Gene: Yarn_18 Start: 17108, Stop: 17497, Start Num: 71
Candidate Starts for Yarn_18:
(Start: 62 @17099 has 9 MA's), (Start: 71 @17108 has 35 MA's), (92, 17180), (93, 17183), (98, 17198), (111, 17219), (121, 17243), (158, 17363), (169, 17405), (173, 17426), (185, 17468),

Gene: Yecey3_30 Start: 21649, Stop: 22098, Start Num: 72
Candidate Starts for Yecey3_30:
(Start: 72 @21649 has 121 MA's), (Start: 96 @21727 has 1 MA's), (153, 21919), (155, 21940), (164, 21970), (175, 22018), (184, 22045), (197, 22075),

Gene: YoSam321_28 Start: 21624, Stop: 22070, Start Num: 74
Candidate Starts for YoSam321_28:
(Start: 74 @21624 has 627 MA's), (94, 21693), (Start: 96 @21699 has 1 MA's), (101, 21720), (Start: 107 @21741 has 4 MA's), (128, 21792), (155, 21912), (164, 21942), (171, 21966), (175, 21990), (176, 21993), (197, 22047),

Gene: Yogi_24 Start: 17962, Stop: 18402, Start Num: 80
Candidate Starts for Yogi_24:
(27, 17743), (32, 17764), (50, 17881), (Start: 80 @17962 has 82 MA's), (86, 17989), (122, 18115), (128, 18130), (134, 18157), (158, 18253), (169, 18292),

Gene: Yokurt_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for Yokurt_32:

(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Yoncess_24 Start: 17962, Stop: 18402, Start Num: 80
Candidate Starts for Yoncess_24:
(27, 17743), (32, 17764), (50, 17881), (Start: 80 @17962 has 82 MA's), (86, 17989), (122, 18115), (128, 18130), (134, 18157), (158, 18253), (169, 18292),

Gene: Yoshi_20 Start: 15407, Stop: 15772, Start Num: 78
Candidate Starts for Yoshi_20:
(43, 15299), (54, 15353), (Start: 78 @15407 has 34 MA's), (91, 15467), (93, 15473), (98, 15488), (108, 15503), (111, 15509), (120, 15530), (121, 15533), (158, 15650), (170, 15692), (176, 15725),

Gene: Yucky_19 Start: 17984, Stop: 18373, Start Num: 69
Candidate Starts for Yucky_19:
(52, 17930), (Start: 69 @17984 has 26 MA's), (83, 18005), (93, 18059), (95, 18065), (98, 18074), (111, 18095), (117, 18110), (126, 18131), (167, 18272), (169, 18281), (173, 18302),

Gene: Yummy_20 Start: 16993, Stop: 17382, Start Num: 71
Candidate Starts for Yummy_20:
(Start: 62 @16984 has 9 MA's), (Start: 71 @16993 has 35 MA's), (92, 17065), (93, 17068), (98, 17083), (111, 17104), (117, 17119), (120, 17125), (131, 17149), (169, 17290), (173, 17311), (185, 17353),

Gene: Zaka_32 Start: 21759, Stop: 22211, Start Num: 72
Candidate Starts for Zaka_32:
(Start: 72 @21759 has 121 MA's), (89, 21816), (Start: 96 @21840 has 1 MA's), (124, 21924), (153, 22032), (164, 22083), (175, 22131), (182, 22146),

Gene: Zakai_19 Start: 18741, Stop: 19238, Start Num: 81
Candidate Starts for Zakai_19:
(Start: 81 @18741 has 32 MA's), (86, 18765), (110, 18849), (121, 18876), (125, 18885), (157, 19008), (161, 19026), (172, 19062), (173, 19071), (187, 19119), (201, 19161), (203, 19173),

Gene: Zapner_21 Start: 15932, Stop: 16297, Start Num: 78
Candidate Starts for Zapner_21:
(43, 15824), (54, 15878), (Start: 78 @15932 has 34 MA's), (91, 15992), (93, 15998), (98, 16013), (108, 16028), (111, 16034), (120, 16055), (121, 16058), (158, 16175), (170, 16217), (176, 16250),

Gene: Zarafa_28 Start: 21825, Stop: 22268, Start Num: 74
Candidate Starts for Zarafa_28:
(29, 21639), (Start: 60 @21798 has 1 MA's), (Start: 74 @21825 has 627 MA's), (94, 21894), (101, 21921), (155, 22113), (158, 22119), (164, 22143), (175, 22191), (199, 22260),

Gene: Zareef_21 Start: 18424, Stop: 18810, Start Num: 71
Candidate Starts for Zareef_21:
(Start: 71 @18424 has 35 MA's), (92, 18496), (98, 18514), (111, 18535), (120, 18556), (121, 18559), (131, 18580), (150, 18634), (155, 18673), (163, 18700), (169, 18721), (173, 18742),

Gene: Zaria_19 Start: 18564, Stop: 19010, Start Num: 80
Candidate Starts for Zaria_19:
(Start: 80 @18564 has 82 MA's), (88, 18609), (91, 18621), (114, 18690), (125, 18714), (131, 18726), (161, 18855), (163, 18858), (169, 18879), (173, 18900), (196, 18972), (201, 18990), (203, 19002),

Gene: Zeeculate_28 Start: 23693, Stop: 24139, Start Num: 74
Candidate Starts for Zeeculate_28:
(Start: 74 @23693 has 627 MA's), (104, 23807), (105, 23810), (122, 23852), (124, 23858), (183, 24086),

Gene: Zephyr_28 Start: 23055, Stop: 23501, Start Num: 74
Candidate Starts for Zephyr_28:
(Start: 74 @23055 has 627 MA's), (104, 23169), (105, 23172), (122, 23214), (124, 23220), (183, 23448),

Gene: Zetzy_29 Start: 21732, Stop: 22175, Start Num: 74
Candidate Starts for Zetzy_29:
(Start: 74 @21732 has 627 MA's), (94, 21801), (101, 21828), (128, 21900), (155, 22020), (164, 22050), (175, 22098), (199, 22167),

Gene: Zeuska_29 Start: 23489, Stop: 23935, Start Num: 74
Candidate Starts for Zeuska_29:
(Start: 74 @23489 has 627 MA's), (Start: 82 @23501 has 8 MA's), (104, 23603), (105, 23606), (122, 23648), (124, 23654), (183, 23882),

Gene: ZhongYanYuan_18 Start: 18572, Stop: 19069, Start Num: 81
Candidate Starts for ZhongYanYuan_18:
(Start: 81 @18572 has 32 MA's), (86, 18596), (110, 18680), (121, 18707), (125, 18716), (157, 18839), (161, 18857), (173, 18902), (187, 18950), (201, 18992), (203, 19004),

Gene: Ziko_57 Start: 30553, Stop: 30951, Start Num: 66
Candidate Starts for Ziko_57:
(Start: 66 @30553 has 4 MA's), (Start: 81 @30574 has 32 MA's), (93, 30634), (95, 30640), (108, 30664), (117, 30685), (120, 30691), (126, 30706), (146, 30775), (151, 30796), (154, 30832), (172, 30895), (173, 30904), (174, 30907),

Gene: Zimmer_31 Start: 24171, Stop: 24620, Start Num: 74
Candidate Starts for Zimmer_31:
(Start: 74 @24171 has 627 MA's), (Start: 96 @24249 has 1 MA's), (153, 24441), (158, 24468), (164, 24492), (175, 24540), (184, 24567), (197, 24597),

Gene: Zolita_24 Start: 21730, Stop: 22194, Start Num: 74
Candidate Starts for Zolita_24:
(Start: 74 @21730 has 627 MA's), (106, 21847), (152, 21991), (180, 22108), (181, 22111), (197, 22156), (198, 22165),

Gene: Zulu_32 Start: 21758, Stop: 22210, Start Num: 72
Candidate Starts for Zulu_32:
(Start: 72 @21758 has 121 MA's), (89, 21815), (Start: 96 @21839 has 1 MA's), (124, 21923), (153, 22031), (164, 22082), (175, 22130), (182, 22145),