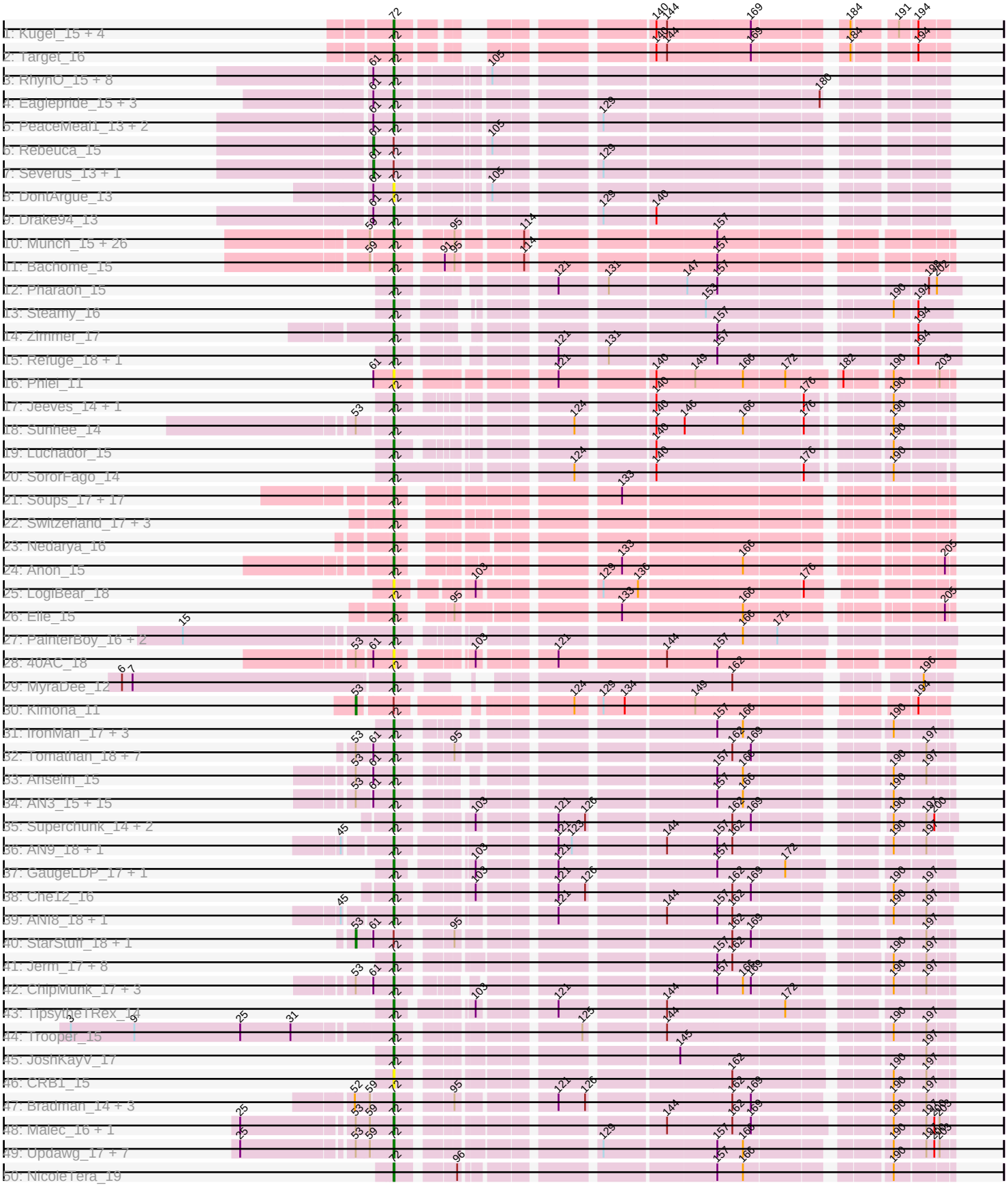
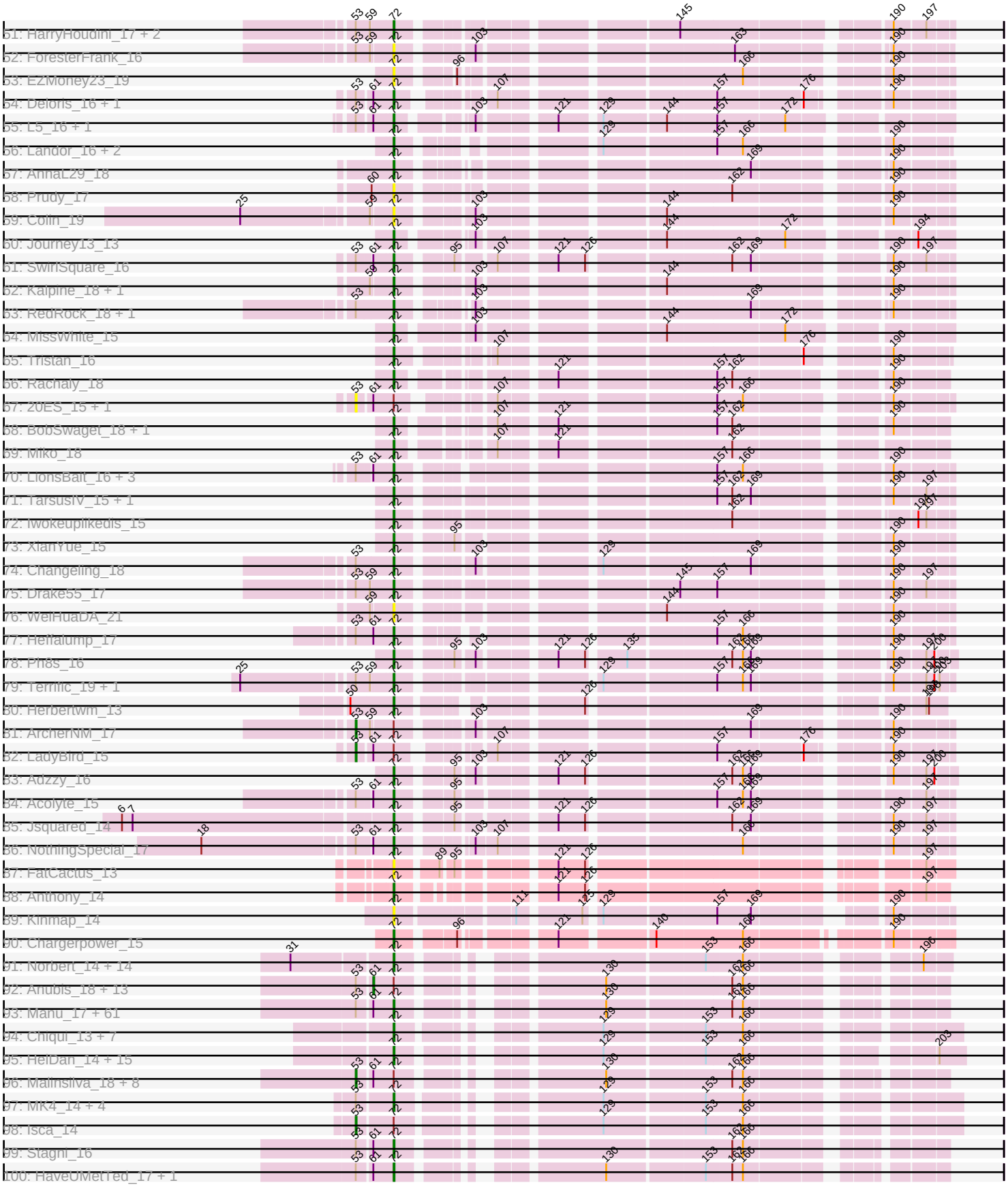
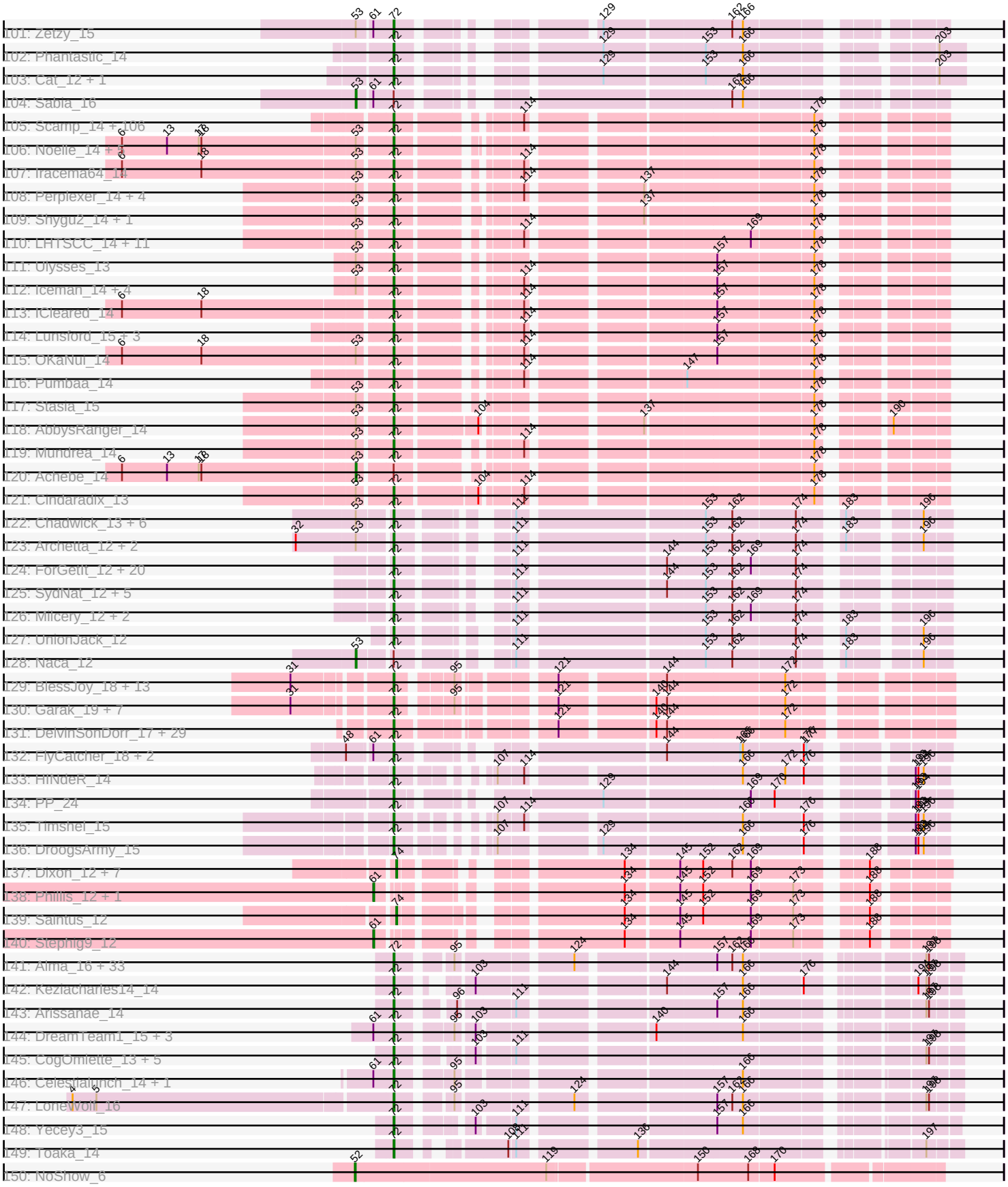
# Pham 330269


1: Kugel_15 + 4
2: Target_16
3: RhynO_15 + 8
4: Eaglepride_15 + 3
5: PeaceMeal1_13 + 2
6: Rebeuca_15
7: Severus_13 + 1
8: DontArgue_13
9: Drake94_13
10: Munch_15 + 26
11: Bachome_15
12: Pharaoh_15
13: Steamy_16
14: Zimmer_17
15: Refuge_18 + 1
16: Phiel_11
17: Jeeves_14 + 1
18: Sunnee_14
19: Luchador_15
20: SororFago_14
21: Soups_17 + 17
22: Switzerland_17 + 3
23: Nedarya_16
24: Anon_15
25: LogiBear_18
26: Elle_15
27: PainterBoy_16 + 2
28: 40AC_18
29: MyraDee_12
30: Kimona_11
31: IronMan_17 + 3
32: Tomathan_18 + 7
33: Anselm_15
34: AN3_15 + 15
35: Superchunk_14 + 2
36: AN9_18 + 1
37: GaugeLDP_17 + 1
38: Che12_16
39: AN18_18 + 1
40: StarStuff_18 + 1
41: Jerm_17 + 8
42: ChipMunk_17 + 3
43: TipsyTeTRex_14
44: Trooper_15
45: JoshKayV_17
46: CRB1_15
47: Bradman_14 + 3
48: Malec_16 + 1
49: Updawg_17 + 7
50: NicoleTera_19

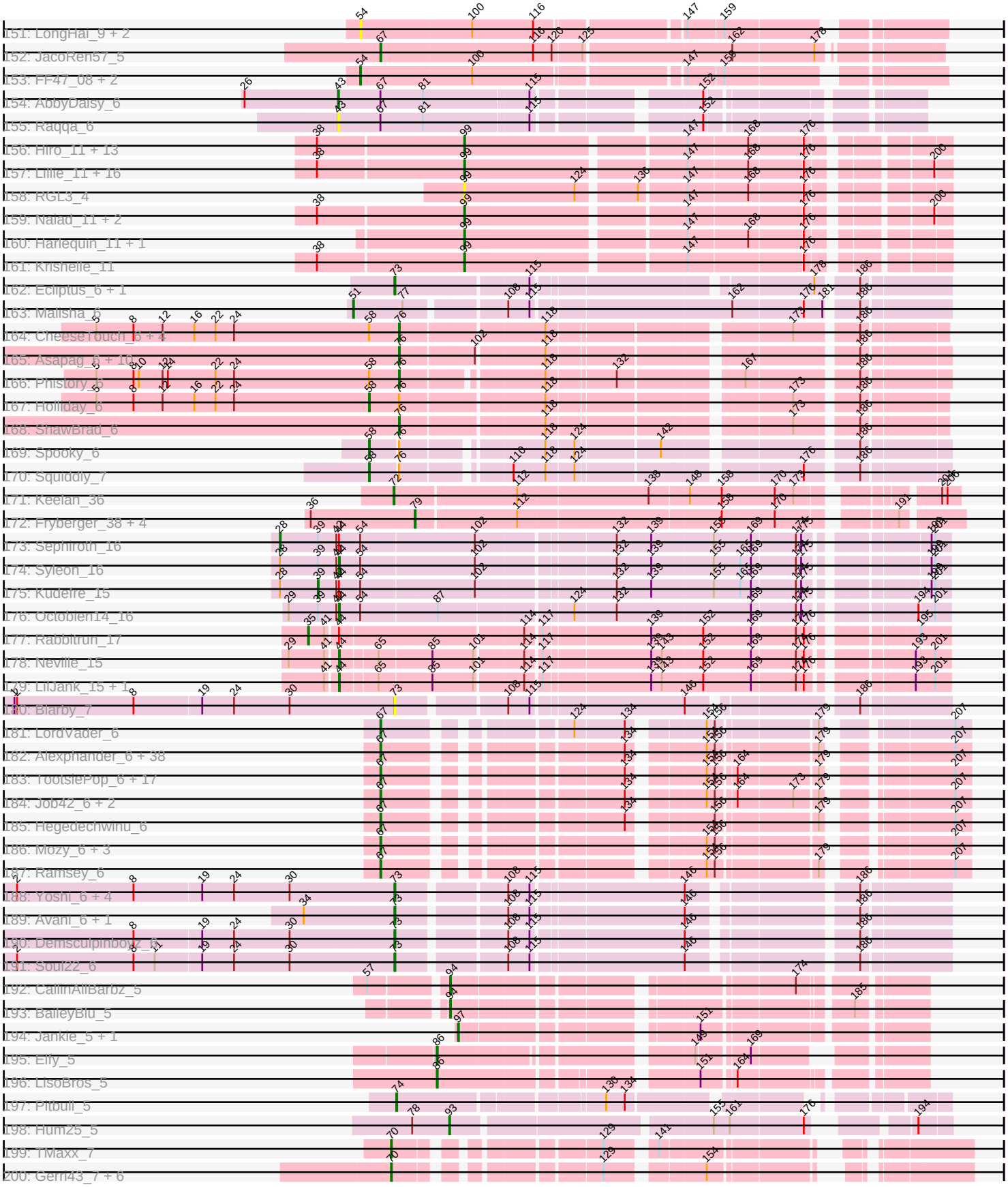
# Pham 330269


51: HarryHoudini_17 + 2
52: ForesterFrank_16
53: EZMoney23_19
54: Deloris_16 + 1
55: L5_16 + 1
56: Landor_16 + 2
57: AnnaL29_18
58: Prudy_17
59: Colin_19
60: Journey13_13
61: SwimSquare_16
62: Kalpine_18 + 1
63: RedRock_18 + 1
64: MissWhite_15
65: Tristan_16
66: Rachaly_18
67: 20ES_15 + 1
68: BobSwaget_18 + 1
69: Miko_18
70: LionsBait_16 + 3
71: TarsusIV_15 + 1
72: Iwokeuplikedis_15
73: XianYue_15
74: Changeling_18
75: Drake55_17
76: WeiHuaDA_21
77: Hellalump_17
78: Phils_16
79: Terrific_19 + 1
80: Herbertwm_13
81: ArcherNM_17
82: LadyBird_15
83: Adzzy_16
84: Acolyte_15
85: Jsquared_14
86: NothingSpecial_17
87: FatCactus_13
88: Anthony_14
89: Kinmap_14
90: Chargerpower_15
91: Norbert_14 + 14
92: Anubis_18 + 13
93: Manu_17 + 61
94: Chiqui_13 + 7
95: HelDan_14 + 15
96: Malinsilva_18 + 8
97: MK4_14 + 4
98: Isca_14
99: Stagni_16
100: HaveUMetFred_17 + 1

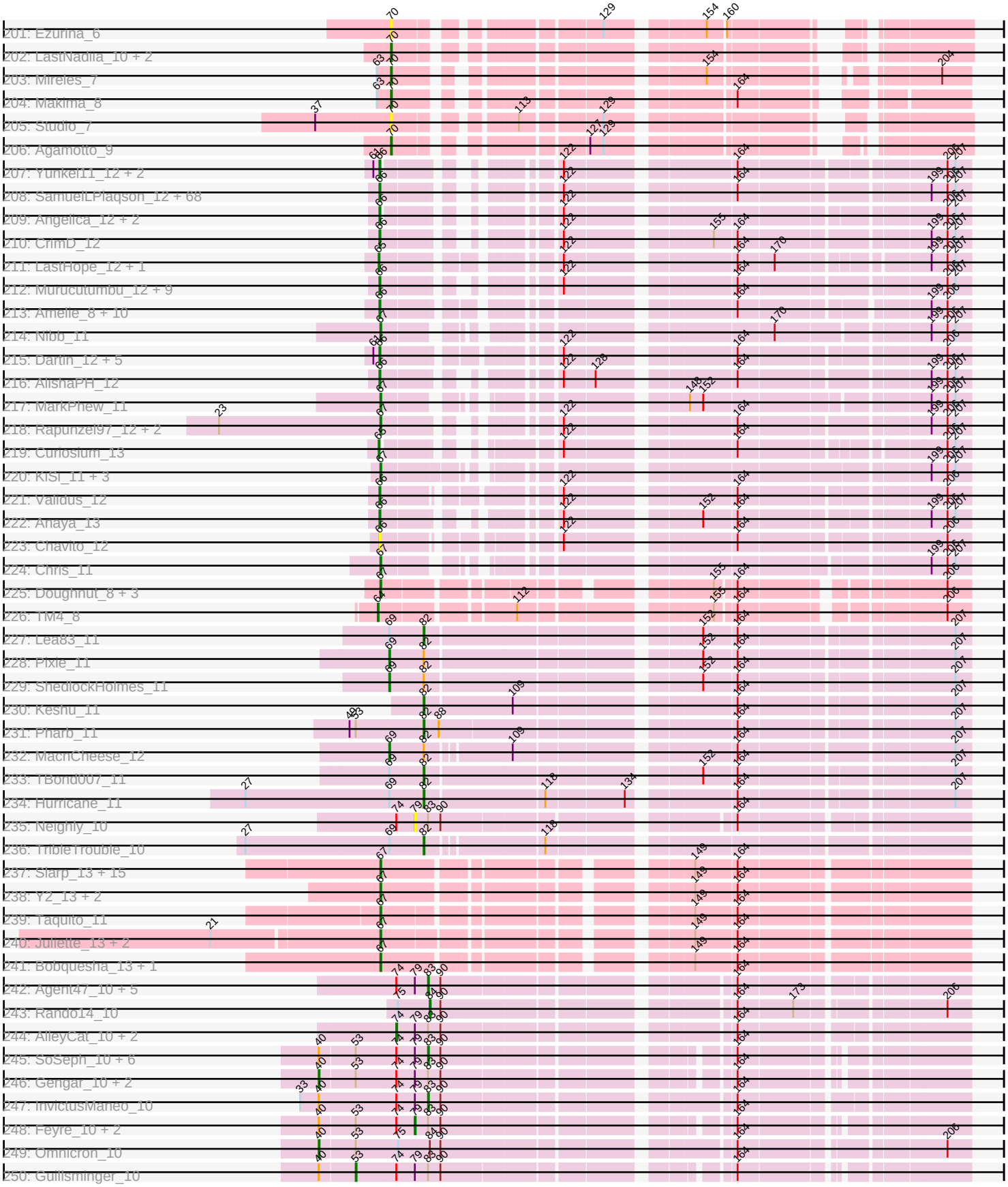
# Pham 330269


I01: Zelzy_15
I02: Phantastic_14
I03: Cat_12 + 1
I04: Sabla_16
I05: Scamp_14 + 106
I06: Noelle_14 + 3
I07: Iracema64_14
I08: Perplexer_14 + 4
I09: Shygu2_14 + 1
I10: LHTSCC_14 + 11
I11: Olysses_13
I12: Iceman_14 + 4
I13: iCleared_14
I14: Lunsford_15 + 3
I15: OKaNui_14
I16: Pumbaa_14
I17: Stasia_15
I18: AbbysRanger_14
I19: Mundrea_14
I20: Achebe_14
I21: Cindaradix_13
I22: Chadwick_13 + 6
I23: Archetta_12 + 2
I24: ForGetit_12 + 20
I25: SydNat_12 + 5
I26: Mllcery_12 + 2
I27: UnionJack_12
I28: Naca_12
I29: BlessJoy_18 + 13
I30: Garak_19 + 7
I31: DelvinSonDorr_17 + 29
I32: FlyCatcher_18 + 2
I33: HiNdeR_14
I34: PP_24
I35: Timshel_15
I36: DroogsArmy_15
I37: Dixon_12 + 7
I38: Phillis_12 + 1
I39: Saintus_12
I40: Stephig9_12
I41: Alma_16 + 33
I42: KeziaCharles14_14
I43: Arissanae_14
I44: DreamTeam1_15 + 3
I45: CogOmlette_13 + 5
I46: Celestialfunch_14 + 1
I47: LoneWolf_16
I48: Yecey3_15
I49: Toaka_14
I50: NoSnow_6

# Pham 330269


151: LongHai_9 + 2
152: JacoRen57_5
153: FF47_08 + 2
154: AbbyDaisy_6
155: Raqqa_6
156: Hiro_11 + 13
157: Lillie_11 + 16
158: RGL3_4
159: Natad_11 + 2
160: Harlequin_11 + 1
161: Krishelle_11
162: Ecliptus_6 + 1
163: Malisha_6
164: CheeseTouch_6 + 4
165: Asapag_6 + 10
166: Phistory_6
167: Holliday_6
168: ShawBrad_6
169: Spooky_6
170: Squiddly_7
171: Keelan_36
172: Fryberger_38 + 4
173: Sephiroth_16
174: Syleon_16
175: Kudeire_15
176: Octobien14_16
177: Rabbitrun_17
178: Neville_15
179: LilJank_15 + 1
180: Blarby_7
181: LordVader_6
182: Alexphander_6 + 38
183: TootsiePop_6 + 17
184: Job42_6 + 2
185: Hegedechwinu_6
186: Mozy_6 + 3
187: Ramsey_6
188: Yoshi_6 + 4
189: Avani_6 + 1
190: Demsculpinboyz_6
191: Soul22_6
192: CallmAllBarbz_5
193: BaileyBlu_5
194: Jankie_5 + 1
195: Elly_5
196: LisoBros_5
197: Pitbull_5
198: Hum25_5
199: TMaxx_7
200: Gem143_7 + 6

# Pham 330269


201: Ezurina_6
202: LastNadila_10 + 2
203: Mireles_7
204: Makima_8
205: Studio_7
206: Agamotto_9
207: Yunkel11_12 + 2
208: SamuelLPlaqson_12 + 68
209: Angelica_12 + 2
210: ChimD_12
211: LastHope_12 + 1
212: Murucutumbu_12 + 9
213: Amelie_8 + 10
214: Niob_11
215: Dartin_12 + 5
216: AlishaPH_12
217: MarkPhew_11
218: Rapunzel97_12 + 2
219: Curiosium_13
220: KISI_11 + 3
221: Validus_12
222: Anaya_13
223: Chavito_12
224: Chris_11
225: Doughnut_8 + 3
226: TM4_8
227: Lea83_11
228: Pixie_11
229: SherlockHolmes_11
230: Keshu_11
231: Pharb_11
232: MachCheese_12
233: TBond007_11
234: Hurricane_11
235: Neighly_10
236: TribleTrouble_10
237: Slarp_13 + 15
238: Y2_13 + 2
239: Taquito_11
240: Juliette_13 + 2
241: Bobquesha_13 + 1
242: Agent47_10 + 5
243: Rando14_10
244: AlleyCat_10 + 2
245: SoSeph_10 + 6
246: Gengar_10 + 2
247: InvictusMaheo_10
248: Feyre_10 + 2
249: Omnicron_10
250: Gullsminger_10

# Pham 330269

251: Amgine_10 + 4
252: Amonnition_11 + 1
253: Hammy_11
254: Ekdilam_9
255: Sunflower1121_10 + 3
256: Syra333_11
257: Yuna_12
258: TCill_11
259: Marshawn_13
260: PhelpsODU_11 + 1
261: November_10
262: Tierra_11
263: Krueger_11
264: Ximenita_12
265: SirPhilip_11
266: Tigress9_11
267: Shadow1_10
268: Aminay_10
269: Bollgate_9
270: Rossetti_7
271: DHan_7 + 3
272: DanBing_6
273: Tourach_7
274: Bellis_8 + 3
275: DyoEdaros_8
276: Kropertea_7
277: DS6A_10
278: Tallonex_12
279: Spartol_5
280: ArV2_05

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 330269 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330269 has 1097 members, 112 are drafts.

Phages represented in each track:
• Track 1 : Kugel_15, Whitspit_15, Kykar_12, BillKnuckles_15, Bxb1_13
• Track 2 : Target_16
• Track 3 : RhynO_15, Shapes_17, Rowdy_17, DustyMartin_17, Twister_14, Topanga_14, WalterMcMickey_14, Kristoff_15, Edison31_14
• Track 4 : Eaglepride_15, OKCentral2016_14, Goose_14, Chupacabra_14
• Track 5 : PeaceMeal1_13, KittenMittens_13, Poompha_13
• Track 6 : Rebeuca_15
• Track 7 : Severus_13, Trike_12
• Track 8 : DontArgue_13
• Track 9 : Drake94_13
• Track 10 : Munch_15, Salz_15, Aneem_15, Lucivia_15, Orange_15, Insomnia_15, Jabith_15, TinyTimmy_15, Et2Brutus_14, Flaverint_15, Fibonacci_15, Bowtie_15, Saskia_15, Wolpertinger_14, Sham4_15, Petersenfast_15, Ebony_15, Gilberta_15, MaCh_15, Kimba_15, Joselito_15, Timothy_15, Mulciber_15, Bud_15, Mabel_15, Hutc2_15, Snape_15
• Track 11 : Bachome_15
• Track 12 : Pharaoh_15
• Track 13 : Steamy_16
• Track 14 : Zimmer_17
• Track 15 : Refuge_18, DarthPhader_16
• Track 16 : Phlei_11
• Track 17 : Jeeves_14, Gail_14
• Track 18 : Sunhee_14
• Track 19 : Luchador_15
• Track 20 : SororFago_14
• Track 21 : Soups_17, Remus_17, DekHockey33_17, LastResort_17, ShayRa_18, Warrior24_17, Rosalind_17, Oofda_17, KatherineG_17, Waits_17, Epsocamisio_17, Nebulosus_17, Looper_18, ReMo_17, Anaysia_17, Boohoo_17, MinecraftSteve_18, Strosahl_17
• Track 22 : Switzerland_17, Battleship_18, JSwag_17, Ravana_17
• Track 23 : Nedarya_16
• Track 24 : Anon_15
• Track 25 : LogiBear_18
• Track 26 : Elle_15
• Track 27 : PainterBoy_16, Lucyedi_16, EagleEye_17
• Track 28 : 40AC_18
• Track 29 : MyraDee_12

• Track 30 : Kimona_11
• Track 31 : IronMan_17, Jaan_18, DeerParkTS_16, Phaded_18
• Track 32 : Tomathan_18, D29_16, Naji_18, DBQu4n_18, Duplo_18, Kerberos_18, D32_18, Travvers_18
• Track 33 : Anselm_15
• Track 34 : AN3_15, Georgie2_16, SweetiePie_15, DudeLittle_15, VA6_15, Benvolio_15, Fameo_15, Retro23_15, Power_15, Dalmatian_15, QueenBeesly_15, QueenB2_15, SnapTap_15, Echild_15, Crucio_15, FiringLine_15
• Track 35 : Superchunk_14, Caraxes_14, Odin_14
• Track 36 : AN9_18, VC3_18
• Track 37 : GaugeLDP_17, BabyBack_17
• Track 38 : Che12_16
• Track 39 : ANI8_18, C3_13
• Track 40 : StarStuff_18, Pomar16_18
• Track 41 : Jerm_17, Dignity_17, AbbyPaige_17, Whabigail7_17, Smeagan_17, Bugsy_17, Leviathan_17, LilTurb_17, Agape74_17
• Track 42 : ChipMunk_17, SemperFi_17, EvilGenius_17, KingCyrus_17
• Track 43 : TipsytheTRex_14
• Track 44 : Trooper_15
• Track 45 : JoshKayV_17
• Track 46 : CRB1_15
• Track 47 : Bradman_14, Quokka_13, Serenity_14, MajorMajor_14
• Track 48 : Malec_16, Larenn_16
• Track 49 : Updawg_17, NaSiaTalie_15, Flare16_15, Equemioh13_17, Gratitude_16, Sknot_15, MiculUcigas_15, WideWale_17
• Track 50 : NicoleTera_19
• Track 51 : HarryHoudini_17, Baehexic_16, Piro94_16
• Track 52 : ForesterFrank_16
• Track 53 : EZMoney23_19
• Track 54 : Deloris_16, BengiVuitton_16
• Track 55 : L5_16, Koduck_16
• Track 56 : Landor_16, Pukovnik_17, Bactobuster_16
• Track 57 : AnnaL29_18
• Track 58 : Prudy_17
• Track 59 : Colin_19
• Track 60 : Journey13_13
• Track 61 : SwirlSquare_16
• Track 62 : Kalpine_18, Trixie_18
• Track 63 : RedRock_18, Loser_18
• Track 64 : MissWhite_15
• Track 65 : Tristan_16
• Track 66 : Rachaly_18
• Track 67 : 20ES_15, First_0015
• Track 68 : BobSwaget_18, Lokk_18
• Track 69 : Miko_18
• Track 70 : LionsBait_16, Leogania_17, BiancaTri92_17, HippoHollow_16
• Track 71 : TarsusIV_15, Turbido_17
• Track 72 : Iwokeuplikedis_15
• Track 73 : XianYue_15
• Track 74 : Changeling_18
• Track 75 : Drake55_17
• Track 76 : WeiHuaDA_21
• Track 77 : Heffalump_17

• Track 78 : Ph8s_16
• Track 79 : Terrific_19, Centaur_17
• Track 80 : Herbertwm_13
• Track 81 : ArcherNM_17
• Track 82 : LadyBird_15
• Track 83 : Adzzy_16
• Track 84 : Acolyte_15
• Track 85 : Jsquared_14
• Track 86 : NothingSpecial_17
• Track 87 : FatCactus_13
• Track 88 : Anthony_14
• Track 89 : Kinmap_14
• Track 90 : Chargerpower_15
• Track 91 : Norbert_14, Popcicle_15, Veracruz_14, Noella_15, ResDef_15, Panamaxus_15, Caviar_15, Pocahontas_15, Todacoro_15, Hookmount_15, Texage_14, EtoileNova_15, Lambert1_15, Margo_15, QuinnKiro_14
• Track 92 : Anubis_18, Louie6_16, Hercules11_16, Jobu08_16, Methuselah_16, LugYA_18, Beauxregard13_16, Aglet_16, Misomonster_18, Vix_16, Tiffany_16, Marie_16, Penny1_16, MarQuardt_16
• Track 93 : Manu_17, JenCasNa_16, Lowa_16, Spike509_16, P28Green_16, Heliosoles_16, Bigflo_16, SoYo_16, Grub_16, StepMih_16, MadMarie_16, KADY_17, Calvinny_16, HashRod_17, Bxz2_16, Gwennie_16, Croquant_17, Ollie_16, TinyPebbles_16, Farber_16, PGHhamlin_18, ACFishhook_16, OlanP_16, Microwolf_16, AgronaGT15_16, Marius_17, Watson_16, Dieselweasel_16, Gemma_16, MuchMore_18, BuzzBuzz_15, DaHudson_16, Colbster_16, LarryKay_16, Phranny_17, Kalb97_17, Lilith_16, Kalnoky_17, Sabinator_16, Daishi_15, Rummer_16, Taurus_16, LBerry_16, JHC117_16, Pawn_16, GtownJaz_16, PurpleHaze_16, ClownCar_16, JeppNRM_17, Montavir_15, Pembroke_16, Snickers_16, Phoxy_16, Grif_16, Fernando_16, Soshari_18, AugsMagnumOpus_18, EpicPhail_16, Groupthink_17, GingkoMaracino_16, Phoebe_16, Reba_17
• Track 94 : Chiqui_13, Goose1X_14, Fred313_14, Scout_14, Shep_14, BabyJohn_13, MA5_14, Goose1D_14
• Track 95 : HelDan_14, Kachowdy_14, Giroux_15, Marchesa_14, Bugatti_14, Puppy_15, Idleandcovert_14, Heathen_14, Pistachio_15, Roimos_14, Clammy_14, TNguyen7_14, BlueBird_15, Zarafa_14, SaturnRing_14, DropBear_14
• Track 96 : Malinsilva_18, Wooldri_18, PotatoSplit_17, BreSam8_16, MoneyMay_16, Grum1_16, SoilDragon_16, Mainiac_16, Cullens_16
• Track 97 : MK4_14, JF4_14, Rockstar_14, B1_12, JF2_14
• Track 98 : Isca_14
• Track 99 : Stagni_16
• Track 100 : HaveUMetTed_17, PhishRPhriends_15
• Track 101 : Zetzy_15
• Track 102 : Phantastic_14
• Track 103 : Cat_12, BabyRay_14
• Track 104 : Sabia_16
• Track 105 : Scamp_14, Baby16_14, BubbleTrouble_14, Huxley_14, Spino_14, Roosevelt_14, Eurydice_14, Kremtemulon_14, Romney_14, Albee_14, Kyee_14, Pipcraft_14, Cocoaberry_14, NorthStar_14, Eagle_13, Buckaroo_13, BellusTerra_14, Mayonnaise_14, CentreCat_14, SenorClean_14, Chaph_14, Connomayer_14, JetBlade_14, KFPoly_14, Phacado_14, Koan_14, Funston_14, Alberto7_15, Citius_14, Eapen_14, LittleGuy_14, Sultana_14, Ohfah_14, Annyong_14, Eris_14, LeoAvram_14, Florean_14, MeeZee_14, Jaykayelowell_14, Rocksand_14,

Polymorphads_14, Dhanush_14, NotAPhaseMom_14, Gadost_14, Nebs_14, Medusa_14, Wizard007_14, HamSlice_13, Bartimeaus_14, Morrow_14, Blackmoor_14, Bruiser_14, Arturo_13, Eros_14, Burger_13, Thanksgivukkah_14, Clarenza_14, SteMason_14, Houdini22_14, Abdiel_14, Flux_14, YoSam321_14, Palestino_14, Koreni_13, Junimo_13, Sparxx_14, TiroTheta9_14, Commander_14, Maxo_14, KekoraPapaka_13, Skadoosh_14, Mazhar510_14, Ruin_14, TygerBlood_14, RockieBear_13, PeterPeter_14, Wilbur_14, Phelipe_14, Maverick_14, Sabertooth_14, Melvin_14, LochMonster_14, LappelDuVide_14, JoongJeon_14, Broseidon_14, Kratark_14, Holli_14, Druantia_14, Relief_14, Millski_14, Kampy_14, TinaFeyge_14, Nyxis_14, Nemo27_14, Kingmustik0402_14, Northrop_14, Lorenzo_14, LittleB_14, Wander_14, Taquarus_14, DirtyDunning_14, Bombshell_14, Avle17_14, TroyPia_14, Caelakin_14, Skipitt_14, Shaka_14
• Track 106 : Noelle_14, Backyardigan_14, Badger_14, Xena_14, Datway_14, Wile_14
• Track 107 : Iracema64_14
• Track 108 : Perplexer_14, Bumblebee11_14, PetiteSangsue_14, Katalie136_14, Morpher26_14
• Track 109 : Shygu2_14, Cici_14
• Track 110 : LHTSCC_14, ChampagnePapi_14, BangNhom_13, Obama12_14, Cerulean_14, Stink_14, AvatarAhPeg_14, Tinybot_13, SheldonCooper_14, Miramae_14, Rosa24_13, Happiness_14
• Track 111 : Ulysses_13
• Track 112 : Iceman_14, Camperdownii_13, Peaches_14, Deano_14, Phighter1804_14
• Track 113 : ICleared_14
• Track 114 : Lunsford_15, Cintron_14, Lemur_14, Phontbonne_14
• Track 115 : OKaNui_14
• Track 116 : Pumbaa_14
• Track 117 : Stasia_15
• Track 118 : AbbysRanger_14
• Track 119 : Mundrea_14
• Track 120 : Achebe_14
• Track 121 : Cindaradix_13
• Track 122 : Chadwick_13, PetterN_13, Benedict_12, Jabiru_12, Airmid_12, Scorpia_13, ElTiger69_12
• Track 123 : Archetta_12, Lev2_12, PickleBack_12
• Track 124 : ForGetIt_12, Jovo_12, Phlorence_12, Cuco_12, Twigg_12, Tarynearal_11, Dublin_11, HuhtaEnerson15_12, Theia_11, Prinashe11_13, Swirley_12, MarysWell_11, Coog_12, George_11, LittleCherry_12, Midas2_12, Bonamassa_12, AgentM_12, Conspiracy_12, Micasa_12, Tiger_12
• Track 125 : SydNat_12, Discoknowium_12, Bluefalcon_11, Ghoulboy_12, Zolita_11, Aragog_12
• Track 126 : Milcery_12, Florence4_13, Florence1_12
• Track 127 : UnionJack_12
• Track 128 : Naca_12
• Track 129 : BlessJoy_18, Wiks_18, Koko_18, Gladiator_18, Gruunaga_18, Blue7_18, ToneTone_17, Yokurt_18, Rifter_18, WunderPhul_18, Hammer_18, Zulu_18, Lilbunny_18, Zaka_18
• Track 130 : Garak_19, Tucker_18, Helmet_18, Artemis2UCLA_18, Roksolana_18, Temprado_18, Indra_18, Hexamo_18
• Track 131 : DelvinSonDorr_17, Newrala_18, GreedyLawyer_18, SuperCallie99_18, Cookiedough_18, Isiphiwo_18, JewelBug_18, CloudWang3_18, Pmask_18, VohminGhazi_18, Jeffabunny_18, Jordennis_18, Imbriano_17, SmellyB_18,

Neeharika16_18, Dorothea_18, Chartreuse_18, DaVinci_18, Blinn1_18, BABullseye_18, Candra_18, Kipper29_18, Priamo_18, EricB_18, Kazan_18, Hoot_18, Polyphemus_18, BennyP_18, SuperAwesome_18, McFly_18
• Track 132 : FlyCatcher_18, Sheen_16, Toro_17
• Track 133 : HINdeR_14
• Track 134 : PP_24
• Track 135 : Timshel_15
• Track 136 : DroogsArmy_15
• Track 137 : Dixon_12, Smeadley_12, Caitlin_12, Danforth_11, Astro_12, Expelliarmus_11, Groundhog_11, Roary_12
• Track 138 : Phillis_12, NearlyHeadless_12
• Track 139 : Saintus_12
• Track 140 : Stephig9_12
• Track 141 : Alma_16, Qobbit_16, Eidsmoe_16, Tubs_16, Phaeder_16, RyeScarlet_17, Darrell_17, Ayanochan_16, Aliter_16, Priya_16, ExplosioNervosa_16, Ugenie5_13, Fayely_16, Phonnegut_16, Jiawan_15, Maminiaina_16, Pioneer_16, Scherzo_16, Sachima_14, Lilleskat_14, BogosyJay_16, Myxus_16, Hanray_15, EdogawaKiddo_14, Holex_15, Onglai_15, HortumSL17_16, Conquerage_16, Spouty_16, Beemo_16, EmyBug_16, Elephantoon_16, Catalina_16, PackMan_16
• Track 142 : Keziacharles14_14
• Track 143 : Arissanae_14
• Track 144 : DreamTeam1_15, Klodlith_15, Charm_15, SheaKeira_15
• Track 145 : CogOmlette_13, Minispark_13, Rahalelujah_14, Bellris_14, Vanisoa_14, WorldCup_13
• Track 146 : Celestialunch_14, MegTheThird_14
• Track 147 : LoneWolf_16
• Track 148 : Yecey3_15
• Track 149 : Toaka_14
• Track 150 : NoShow_6
• Track 151 : LongHai_9, Salvus_9, 8UZL_8
• Track 152 : JacoRen57_5
• Track 153 : FF47_08, Muddy_8, Maco6_6
• Track 154 : AbbyDaisy_6
• Track 155 : Raqqa_6
• Track 156 : Hiro_11, Dinger_11, Rasputin_11, BobbyDazzler_11, Takoda_11, AngryOrchard_10, Bryce_11, Yoncess_11, Bonanza_11, Partridge_11, Alpacados_10, Yogi_11, PhailMary_10, AppleCloud_9
• Track 157 : Lillie_11, Belenaria_11, RER2_4, Shuman_11, Bradshaw_11, Gollum_11, Rhodalysa_11, Swann_11, UhSalsa_11, Erik_11, Phrankenstein_11, Natosaleda_11, TWAMP_11, Espica_11, CosmicSans_11, RexFury_11, Nancinator_11
• Track 158 : RGL3_4
• Track 159 : Naiad_11, Alatin_11, StCroix_11
• Track 160 : Harlequin_11, Jester_11
• Track 161 : Krishelle_11
• Track 162 : Ecliptus_6, ODay_6
• Track 163 : Malisha_6
• Track 164 : CheeseTouch_6, LitninMcQueen_6, Kamaru_6, Budski_6, Phabuloso_6
• Track 165 : Asapag_6, Kenna_6, Getalong_6, BotCity_6, Periwinkle_6, BENtherdunthat_6, Whitney_6, Lutum_6, Leroy_6, Horus_6, Frickyeah_6
• Track 166 : Phistory_6
• Track 167 : Holliday_6
• Track 168 : ShawBrad_6

• Track 169 : Spooky_6
• Track 170 : Squiddly_7
• Track 171 : Keelan_36
• Track 172 : Fryberger_38, Volt_40, Ronaldo_41, Guey18_43, Ziko_41
• Track 173 : Sephiroth_16
• Track 174 : Syleon_16
• Track 175 : Kudefre_15
• Track 176 : Octobien14_16
• Track 177 : Rabbitrun_17
• Track 178 : Neville_15
• Track 179 : LilJank_15, Trax_15
• Track 180 : Blarby_7
• Track 181 : LordVader_6
• Track 182 : Alexphander_6, Leozinho_6, Brookers_6, Bobi_6, Kingsley_6, JalFarm20_6, MulchExplorer_6, Stap_6, Plumbus_6, Cerasum_6, Tchotchke_6, Beanstalk_6, UncleRicky_6, Kimberlium_6, Drago_6, Frankie_6, SimranZ1_6, LittleShirley_6, Brushbloom_6, BuzzLyseyear_6, Squirty_6, Sarma624_6, DosHalletts_6, Juice456_6, Boomer_6, Beakin_6, Oksu_6, Velveteen_6, BigPhil_6, OwlsT2W_6, Lorde_6, RockyHorror_6, Seagreen_6, Doomslug_6, Enby_6, Lucia_6, DirtMcgirt_6, Flathead_6, Tootsieroll_6
• Track 183 : TootsiePop_6, Aloeri_6, DocMcStuffins_6, Peridot_6, Spikelee_6, Piper2020_6, Misha28_6, Slim_6, Emmaloid_6, Starcevich_6, DaWorst_6, Awesomesauce_6, Totinger_6, ChickenDinner_6, Coco12_6, Rialto_6, Pollywog_6, Mova_6
• Track 184 : Job42_6, Marker_6, Madiba_6
• Track 185 : Hegedechwinu_6
• Track 186 : Mozy_6, Cornucopia_6, Girafales_6, Quico_6
• Track 187 : Ramsey_6
• Track 188 : Yoshi_6, Zapner_7, Ogopogo_7, Jabbawokkie_7, Che9d_6
• Track 189 : Avani_6, SilverChicken_6
• Track 190 : Demsculpinboyz_6
• Track 191 : Soul22_6
• Track 192 : CallinAllBarbz_5
• Track 193 : BaileyBlu_5
• Track 194 : Jankie_5, GrimEater_5
• Track 195 : Elfy_5
• Track 196 : LisoBros_5
• Track 197 : Pitbull_5
• Track 198 : Hum25_5
• Track 199 : TMaxx_7
• Track 200 : Gerri43_7, ChipsNGuac_7, Neuvillette_7, CardboardBox_7, Roberts_7, AnnabelLee_7, ChamoyPickle_7
• Track 201 : Ezurina_6
• Track 202 : LastNadiia_10, TripleC_10, Audell_10
• Track 203 : Mireles_7
• Track 204 : Makima_8
• Track 205 : Studio_7
• Track 206 : Agamotto_9
• Track 207 : Yunkel11_12, Efra2_12, Guanica15_12
• Track 208 : SamuelLPlaqson_12, Belladonna_12, CheetoDust_12, Ganymede_12, Rosmarinus_12, Peel_12, CREW_12, Inky_12, Atiba_12, BaghaKamala_12, Clipper_12, Capricorn_12, CallaLilly_12, Lunahalos_12, Adephagia_12, Beezoo_12, Durfee_12, Ramen_12, Zavala_12, Jarvi_12, BGlluviae_12, Geraldini_12, Megsy_12,

Boiiii_12, Hyperbowlee_12, Zabiza_12, MeaningOfLife_12, YoureAdopted_11, TreyKay_12, Spock_12, Twitch_12, QuincyRose_11, Emerson_12, Llorens_12, BarrelRoll_12, CaseJules_12, Tiri_12, Anma_12, Mynx_12, Asayake_12, MacKat_12, Padfoot_12, Apocalypse_12, Topper_12, Bella96_12, ActinUp_12, Urkel_12, Joy99_12, Padpat_12, JAWS_12, Tachez_12, Blizzard_12, Adonis_12, BEEST_12, HedwigODU_12, Homura_12, TaiwanKao_12, ShiaSurprise_12, DartGoblin_12, Piatt_12, TruffulaTree_12, Prithvi_12, DrHayes_12, TiniBug_12, Dalmuri_12, LindNT_12, Pokerus_11, Jeckyll_12, Veliki_12
• Track 209 : Angelica_12, Deby_12, Sulley_12
• Track 210 : CrimD_12
• Track 211 : LastHope_12, TingHuaYa_12
• Track 212 : Murucutumbu_12, Illumine_12, Pisa4_11, Devera_12, Stinson_12, Dole_12, Bern_12, Pisa1_11, Ageofdapage_12, LaterM_12
• Track 213 : Amelie_8, Enkosi_8, SgtBeansprout_8, Teejan_8, Torres_8, Nutello_8, Nikao_8, Trice_8, Mdavu_8, LilPharaoh_8, Biglebops_8
• Track 214 : Nibb_11
• Track 215 : Dartin_12, McMater_12, Peanam_12, Shaobing_12, Richo_12, Niklas_12
• Track 216 : AlishaPH_12
• Track 217 : MarkPhew_11
• Track 218 : Rapunzel97_12, Slimphazie_12, Jayhawk_12
• Track 219 : Curiosium_13
• Track 220 : KiSi_11, Oscar_11, LeMond_11, Scarlett_11
• Track 221 : Validus_12
• Track 222 : Anaya_13
• Track 223 : Chavito_12
• Track 224 : Chris_11
• Track 225 : Doughnut_8, ZoeJ_8, BoostSeason_8, Mufasa_8
• Track 226 : TM4_8
• Track 227 : Lea83_11
• Track 228 : Pixie_11
• Track 229 : ShedlockHolmes_11
• Track 230 : Keshu_11
• Track 231 : Pharb_11
• Track 232 : MacnCheese_12
• Track 233 : TBond007_11
• Track 234 : Hurricane_11
• Track 235 : Neighly_10
• Track 236 : TribleTrouble_10
• Track 237 : Slarp_13, Cheetobro_13, Lebo14_13, Fionnbharth_13, Malthus_13, OmniCritical_13, Kraw_13, DanSyl44_13, Wintermute_13, Mitti_13, Patt_13, YasnayaPolyana_13, Chancellor_13, Qhanda_13, SamScheppers_11, MissDaisy_13
• Track 238 : Y2_13, JF1_13, Y10_13
• Track 239 : Taquito_11
• Track 240 : Juliette_13, Eponine_13, Ruthiejr_12
• Track 241 : Bobquesha_13, Reptar3000_13
• Track 242 : Agent47_10, LilDirt_9, ViviJ_9, Psycho_10, Edugator_9, Dadosky_10
• Track 243 : Rando14_10
• Track 244 : AlleyCat_10, Kratio_9, Larva_10
• Track 245 : SoSeph_10, Miryou_10, DoubleChamp_10, Heftyboy_10, Waterfoul_10, BananenDer11_10, Thyatira_10
• Track 246 : Gengar_10, Collard_10, Leston_10
• Track 247 : InvictusManeo_10

• Track 248 : Feyre_10, OkiRoe_10, Paola_10
• Track 249 : Omnicron_10
• Track 250 : Guillsminger_10
• Track 251 : Amgine_10, Ellie_9, Applecrisp_10, Fefferhead_11, Lavahound_10
• Track 252 : Amohnition_11, DarthP_11
• Track 253 : Hammy_11
• Track 254 : Ekdilam_9
• Track 255 : Sunflower1121_10, Cain_11, Phrank_11, Bryler_11
• Track 256 : Syra333_11
• Track 257 : Yuna_12
• Track 258 : TClif_11
• Track 259 : Marshawn_13
• Track 260 : PhelpsODU_11, Unicorn_11
• Track 261 : November_10
• Track 262 : Tierra_11
• Track 263 : Krueger_11
• Track 264 : Ximenita_12
• Track 265 : SirPhilip_11
• Track 266 : Tigress9_11
• Track 267 : Shadow1_10
• Track 268 : Aminay_10
• Track 269 : Boilgate_9
• Track 270 : Rossetti_7
• Track 271 : DHan_7, Claus_7, Baoshan_6, ZhongYanYuan_6
• Track 272 : DanBing_6
• Track 273 : Tourach_7
• Track 274 : Bellis_8, Moostard_8, Finnry_8, Samty_8
• Track 275 : DyoEdafos_8
• Track 276 : Kropertea_7
• Track 277 : DS6A_10
• Track 278 : Tailonex_12
• Track 279 : Spartoi_5
• Track 280 : ArV2_05

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

The start number called the most often in the published annotations is 72, it was called in 557 of the 985 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 40AC_18, ACFishhook_16, AN3_15, AN9_18, ANI8_18, AbbyPaige_17, AbbysRanger_14, Abdiel_14, Acolyte_15, Adzzy_16, Agape74_17, AgentM_12, AgronaGT15_16, Airmid_12, Albee_14, Alberto7_15, Aliter_16, Alma_16, Anaysia_17, Aneem_15, AnnaL29_18, Annyong_14, Anon_15, Anselm_15, Anthony_14, Aragog_12, Archetta_12, Arissanae_14, Artemis2UCLA_18, Arturo_13, AugsMagnumOpus_18, AvatarAhPeg_14, Avle17_14, Ayanochan_16, B1_12, BABullseye_18, Baby16_14, BabyBack_17, BabyJohn_13, BabyRay_14, Bachome_15, Backyardigan_14, Bactobuster_16, Badger_14, Baehexic_16, BangNhom_13, Bartimeaus_14, Battleship_18, Beemo_16, Bellris_14, BellusTerra_14, Benedict_12, BengiVuitton_16, BennyP_18, Benvolio_15,

BiancaTri92_17, Bigflo_16, BillKnuckles_15, Blackmoor_14, BlessJoy_18, Blinn1_18, Blue7_18, BlueBird_15, Bluefalcon_11, BobSwaget_18, BogosyJay_16, Bombshell_14, Bonamassa_12, Boohoo_17, Bowtie_15, Bradman_14, Broseidon_14, Bruiser_14, BubbleTrouble_14, Buckaroo_13, Bud_15, Bugatti_14, Bugsy_17, Bumblebee11_14, Burger_13, BuzzBuzz_15, Bxb1_13, Bxz2_16, C3_13, CRB1_15, Caelakin_14, Calvinny_16, Camperdownii_13, Candra_18, Caraxes_14, Cat_12, Catalina_16, Caviar_15, Celestialunch_14, Centaur_17, CentreCat_14, Cerulean_14, Chadwick_13, ChampagnePapi_14, Changeling_18, Chaph_14, Chargerpower_15, Charm_15, Chartreuse_18, Che12_16, ChipMunk_17, Chiqui_13, Chupacabra_14, Cici_14, Cindaradix_13, Cintron_14, Citius_14, Clammy_14, Clarenza_14, CloudWang3_18, ClownCar_16, Cocoaberry_14, CogOmlette_13, Colbster_16, Colin_19, Commander_14, Connomayer_14, Conquerage_16, Conspiracy_12, Coog_12, Cookiedough_18, Croquant_17, Crucio_15, Cuco_12, D29_16, D32_18, DBQu4n_18, DaHudson_16, DaVinci_18, Daishi_15, Dalmatian_15, Darrell_17, DarthPhader_16, Datway_14, Deano_14, DeerParkTS_16, DekHockey33_17, Deloris_16, DelvinSonDorr_17, Dhanush_14, Dieselweasel_16, Dignity_17, DirtyDunning_14, Discoknowium_12, DontArgue_13, Dorothea_18, Drake55_17, Drake94_13, DreamTeam1_15, DroogsArmy_15, DropBear_14, Druantia_14, Dublin_11, DudeLittle_15, Duplo_18, DustyMartin_17, EZMoney23_19, EagleEye_17, Eagle_13, Eaglepride_15, Eapen_14, Ebony_15, Echild_15, Edison31_14, EdogawaKiddo_14, Eidsmoe_16, ElTiger69_12, Elephantoon_16, Elle_15, EmyBug_16, EpicPhail_16, Epsocamisio_17, Equemioh13_17, EricB_18, Eris_14, Eros_14, Et2Brutus_14, EtoileNova_15, Eurydice_14, EvilGenius_17, ExplosioNervosa_16, Fameo_15, Farber_16, FatCactus_13, Fayely_16, Fernando_16, Fibonacci_15, FiringLine_15, Flare16_15, Flaverint_15, Florean_14, Florence1_12, Florence4_13, Flux_14, FlyCatcher_18, ForGetIt_12, ForesterFrank_16, Fred313_14, Funston_14, Gadost_14, Gail_14, Garak_19, GaugeLDP_17, Gemma_16, George_11, Georgie2_16, Ghoulboy_12, Gilberta_15, GingkoMaracino_16, Giroux_15, Gladiator_18, Goose1D_14, Goose1X_14, Goose_14, Gratitude_16, GreedyLawyer_18, Grif_16, Groupthink_17, Grub_16, Gruunaga_18, GtownJaz_16, Gwennie_16, HINdeR_14, HamSlice_13, Hammer_18, Hanray_15, Happiness_14, HarryHoudini_17, HashRod_17, HaveUMetTed_17, Heathen_14, Heffalump_17, HelDan_14, Heliosoles_16, Helmet_18, Herbertwm_13, Hexamo_18, HippoHollow_16, Holex_15, Holli_14, Hookmount_15, Hoot_18, HortumSL17_16, Houdini22_14, HuhtaEnerson15_12, Hutc2_15, Huxley_14, ICleared_14, Iceman_14, Idleandcovert_14, Imbriano_17, Indra_18, Insomnia_15, Iracema64_14, IronMan_17, Isiphiwo_18, Iwokeuplikedis_15, JF2_14, JF4_14, JHC117_16, JSwag_17, Jaan_18, Jabiru_12, Jabith_15, Jaykayelowell_14, Jeeves_14, Jeffabunny_18, JenCasNa_16, JeppNRM_17, Jerm_17, JetBlade_14, JewelBug_18, Jiawan_15, JoongJeon_14, Jordennis_18, Joselito_15, JoshKayV_17, Journey13_13, Jovo_12, Jsquared_14, Junimo_13, KADY_17, KFPoly_14, Kachowdy_14, Kalb97_17, Kalnoky_17, Kalpine_18, Kampy_14, Katalie136_14, KatherineG_17, Kazan_18, Keelan_36, KekoraPapaka_13, Kerberos_18, Keziacharles14_14, Kimba_15, KingCyrus_17, Kingmustik0402_14, Kinmap_14, Kipper29_18, KittenMittens_13, Klodlith_15, Koan_14, Koduck_16, Koko_18, Koreni_13, Kratark_14, Kremtemulon_14, Kristoff_15, Kugel_15, Kyee_14, Kykar_12, L5_16, LBerry_16, LHTSCC_14, Lambert1_15, Landor_16, LappelDuVide_14, Larenn_16, LarryKay_16, LastResort_17, Lemur_14, LeoAvram_14, Leogania_17, Lev2_12, Leviathan_17, LilTurb_17, Lilbunny_18, Lilith_16, Lilleskat_14, LionsBait_16, LittleB_14, LittleCherry_12, LittleGuy_14, LochMonster_14, LogiBear_18, Lokk_18, LoneWolf_16, Looper_18, Lorenzo_14, Loser_18, Lowa_16, Luchador_15, Lucivia_15, Lucyedi_16, Lunsford_15, MA5_14, MK4_14, MaCh_15, Mabel_15, MadMarie_16, MajorMajor_14, Malec_16, Maminiaina_16, Manu_17,

Marchesa_14, Margo_15, Marius_17, MarysWell_11, Maverick_14, Maxo_14, Mayonnaise_14, Mazhar510_14, McFly_18, Medusa_14, MeeZee_14, MegTheThird_14, Melvin_14, Micasa_12, Microwolf_16, MiculUcigas_15, Midas2_12, Miko_18, Milcery_12, Millski_14, MinecraftSteve_18, Minispark_13, Miramae_14, MissWhite_15, Montavir_15, Morpher26_14, Morrow_14, MuchMore_18, Mulciber_15, Munch_15, Mundrea_14, MyraDee_12, Myxus_16, NaSiaTalie_15, Naji_18, Nebs_14, Nebulosus_17, Nedarya_16, Neeharika16_18, Nemo27_14, Newrala_18, NicoleTera_19, Noella_15, Noelle_14, Norbert_14, NorthStar_14, Northrop_14, NotAPhaseMom_14, NothingSpecial_17, Nyxis_14, OKCentral2016_14, OKaNui_14, Obama12_14, Odin_14, Ohfah_14, OlanP_16, Ollie_16, Onglai_15, Oofda_17, Orange_15, P28Green_16, PGHhamlin_18, PP_24, PackMan_16, PainterBoy_16, Palestino_14, Panamaxus_15, Pawn_16, PeaceMeal1_13, Peaches_14, Pembroke_16, Perplexer_14, PeterPeter_14, Petersenfast_15, PetiteSangsue_14, PetterN_13, Ph8s_16, Phacado_14, Phaded_18, Phaeder_16, Phantastic_14, Pharaoh_15, Phelipe_14, Phighter1804_14, PhishRPhriends_15, Phlei_11, Phlorence_12, Phoebe_16, Phonnegut_16, Phontbonne_14, Phoxy_16, Phranny_17, PickleBack_12, Pioneer_16, Pipcraft_14, Piro94_16, Pistachio_15, Pmask_18, Pocahontas_15, Polymorphads_14, Polyphemus_18, Poompha_13, Popcicle_15, Power_15, Priamo_18, Prinashe11_13, Priya_16, Prudy_17, Pukovnik_17, Pumbaa_14, Puppy_15, PurpleHaze_16, Qobbit_16, QueenB2_15, QueenBeesly_15, QuinnKiro_14, Quokka_13, Rachaly_18, Rahalelujah_14, Ravana_17, ReMo_17, Reba_17, RedRock_18, Refuge_18, Relief_14, Remus_17, ResDef_15, Retro23_15, RhynO_15, Rifter_18, RockieBear_13, Rocksand_14, Rockstar_14, Roimos_14, Roksolana_18, Romney_14, Roosevelt_14, Rosa24_13, Rosalind_17, Rowdy_17, Ruin_14, Rummer_16, RyeScarlet_17, Sabertooth_14, Sabinator_16, Sachima_14, Salz_15, Saskia_15, SaturnRing_14, Scamp_14, Scherzo_16, Scorpia_13, Scout_14, SemperFi_17, SenorClean_14, Serenity_14, Shaka_14, Sham4_15, Shapes_17, ShayRa_18, SheaKeira_15, Sheen_16, SheldonCooper_14, Shep_14, Shygu2_14, Skadoosh_14, Skipitt_14, Sknot_15, Smeagan_17, SmellyB_18, SnapTap_15, Snape_15, Snickers_16, SoYo_16, SororFago_14, Soshari_18, Soups_17, Sparxx_14, Spike509_16, Spino_14, Spouty_16, Stagni_16, Stasia_15, SteMason_14, Steamy_16, StepMih_16, Stink_14, Strosahl_17, Sultana_14, Sunhee_14, SuperAwesome_18, SuperCallie99_18, Superchunk_14, SweetiePie_15, SwirlSquare_16, Swirley_12, Switzerland_17, SydNat_12, TNguyen7_14, Taquarus_14, Target_16, TarsusIV_15, Tarynearal_11, Taurus_16, Temprado_18, Terrific_19, Texage_14, Thanksgivukkah_14, Theia_11, Tiger_12, Timothy_15, Timshel_15, TinaFeyge_14, TinyPebbles_16, TinyTimmy_15, Tinybot_13, TipsytheTRex_14, TiroTheta9_14, Toaka_14, Todacoro_15, Tomathan_18, ToneTone_17, Topanga_14, Toro_17, Travvers_18, Tristan_16, Trixie_18, Trooper_15, TroyPia_14, Tubs_16, Tucker_18, Turbido_17, Twigg_12, Twister_14, TygerBlood_14, Ugenie5_13, Ulysses_13, UnionJack_12, Updawg_17, VA6_15, VC3_18, Vanisoa_14, Veracruz_14, VohminGhazi_18, Waits_17, WalterMcMickey_14, Wander_14, Warrior24_17, Watson_16, WeiHuaDA_21, Whabigail7_17, Whitspit_15, WideWale_17, Wiks_18, Wilbur_14, Wile_14, Wizard007_14, Wolpertinger_14, WorldCup_13, WunderPhul_18, Xena_14, XianYue_15, Yecey3_15, YoSam321_14, Yokurt_18, Zaka_18, Zarafa_14, Zetzy_15, Zimmer_17, Zolita_11, Zulu_18,

Genes that have the "Most Annotated" start but do not call it:
• 20ES_15, Achebe_14, Aglet_16, Anubis_18, ArcherNM_17, Beauxregard13_16, BreSam8_16, Cullens_16, First_0015, Grum1_16, Hercules11_16, Isca_14, Jobu08_16, Kimona_11, LadyBird_15, Louie6_16, LugYA_18, Mainiac_16,

Malinsilva_18, MarQuardt_16, Marie_16, Methuselah_16, Misomonster_18, MoneyMay_16, Naca_12, Penny1_16, Pomar16_18, PotatoSplit_17, Rebeuca_15, Sabia_16, Severus_13, SoilDragon_16, StarStuff_18, Tiffany_16, Trike_12, Vix_16, Wooldri_18,

Genes that do not have the "Most Annotated" start:
• 8UZL_8, AbbyDaisy_6, ActinUp_12, Adephagia_12, Adonis_12, Agamotto_9, Agent47_10, Ageofdapage_12, Alatin_11, Alexphander_6, AlishaPH_12, AlleyCat_10, Aloeri_6, Alpacados_10, Amelie_8, Amgine_10, Aminay_10, Amohnition_11, Anaya_13, Angelica_12, AngryOrchard_10, Anma_12, AnnabelLee_7, Apocalypse_12, AppleCloud_9, Applecrisp_10, ArV2_05, Asapag_6, Asayake_12, Astro_12, Atiba_12, Audell_10, Avani_6, Awesomesauce_6, BEEST_12, BENtherdunthat_6, BGlluviae_12, BaghaKamala_12, BaileyBlu_5, BananenDer11_10, Baoshan_6, BarrelRoll_12, Beakin_6, Beanstalk_6, Beezoo_12, Belenaria_11, Bella96_12, Belladonna_12, Bellis_8, Bern_12, BigPhil_6, Biglebops_8, Blarby_7, Blizzard_12, BobbyDazzler_11, Bobi_6, Bobquesha_13, Boiiii_12, Boilgate_9, Bonanza_11, Boomer_6, BoostSeason_8, BotCity_6, Bradshaw_11, Brookers_6, Brushbloom_6, Bryce_11, Bryler_11, Budski_6, BuzzLyseyear_6, CREW_12, Cain_11, Caitlin_12, CallaLilly_12, CallinAllBarbz_5, Capricorn_12, CardboardBox_7, CaseJules_12, Cerasum_6, ChamoyPickle_7, Chancellor_13, Chavito_12, Che9d_6, CheeseTouch_6, CheetoDust_12, Cheetobro_13, ChickenDinner_6, ChipsNGuac_7, Chris_11, Claus_7, Clipper_12, Coco12_6, Collard_10, Cornucopia_6, CosmicSans_11, CrimD_12, Curiosium_13, DHan_7, DS6A_10, DaWorst_6, Dadosky_10, Dalmuri_12, DanBing_6, DanSyl44_13, Danforth_11, DartGoblin_12, DarthP_11, Dartin_12, Deby_12, Demsculpinboyz_6, Devera_12, Dinger_11, DirtMcgirt_6, Dixon_12, DocMcStuffins_6, Dole_12, Doomslug_6, DosHalletts_6, DoubleChamp_10, Doughnut_8, DrHayes_12, Drago_6, Durfee_12, DyoEdafos_8, Ecliptus_6, Edugator_9, Efra2_12, Ekdilam_9, Elfy_5, Ellie_9, Emerson_12, Emmaloid_6, Enby_6, Enkosi_8, Eponine_13, Erik_11, Espica_11, Expelliarmus_11, Ezurina_6, FF47_08, Fefferhead_11, Feyre_10, Finnry_8, Fionnbharth_13, Flathead_6, Frankie_6, Frickyeah_6, Fryberger_38, Ganymede_12, Gengar_10, Geraldini_12, Gerri43_7, Getalong_6, Girafales_6, Gollum_11, GrimEater_5, Groundhog_11, Guanica15_12, Guey18_43, Guillsminger_10, Hammy_11, Harlequin_11, HedwigODU_12, Heftyboy_10, Hegedechwinu_6, Hiro_11, Holliday_6, Homura_12, Horus_6, Hum25_5, Hurricane_11, Hyperbowlee_12, Illumine_12, Inky_12, InvictusManeo_10, JAWS_12, JF1_13, Jabbawokkie_7, JacoRen57_5, JalFarm20_6, Jankie_5, Jarvi_12, Jayhawk_12, Jeckyll_12, Jester_11, Job42_6, Joy99_12, Juice456_6, Juliette_13, Kamaru_6, Kenna_6, Keshu_11, KiSi_11, Kimberlium_6, Kingsley_6, Kratio_9, Kraw_13, Krishelle_11, Kropertea_7, Krueger_11, Kudefre_15, Larva_10, LastHope_12, LastNadiia_10, LaterM_12, Lavahound_10, LeMond_11, Lea83_11, Lebo14_13, Leozinho_6, Leroy_6, Leston_10, LilDirt_9, LilJank_15, LilPharaoh_8, Lillie_11, LindNT_12, LisoBros_5, LitninMcQueen_6, LittleShirley_6, Llorens_12, LongHai_9, LordVader_6, Lorde_6, Lucia_6, Lunahalos_12, Lutum_6, MacKat_12, MacnCheese_12, Maco6_6, Madiba_6, Makima_8, Malisha_6, Malthus_13, MarkPhew_11, Marker_6, Marshawn_13, McMater_12, Mdavu_8, MeaningOfLife_12, Megsy_12, Mireles_7, Miryou_10, Misha28_6, MissDaisy_13, Mitti_13, Moostard_8, Mova_6, Mozy_6, Muddy_8, Mufasa_8, MulchExplorer_6, Murucutumbu_12, Mynx_12, Naiad_11, Nancinator_11, Natosaleda_11, NearlyHeadless_12, Neighly_10, Neuvillette_7, Neville_15, Nibb_11, Nikao_8, Niklas_12, NoShow_6, November_10, Nutello_8, ODay_6, Octobien14_16, Ogopogo_7, OkiRoe_10, Oksu_6, OmniCritical_13, Omnicron_10, Oscar_11, OwlsT2W_6, Padfoot_12, Padpat_12, Paola_10, Partridge_11, Patt_13, Peanam_12,

Peel_12, Peridot_6, Periwinkle_6, Phabuloso_6, PhailMary_10, Pharb_11, PhelpsODU_11, Phillis_12, Phistory_6, Phrank_11, Phrankenstein_11, Piatt_12, Piper2020_6, Pisa1_11, Pisa4_11, Pitbull_5, Pixie_11, Plumbus_6, Pokerus_11, Pollywog_6, Prithvi_12, Psycho_10, Qhanda_13, Quico_6, QuincyRose_11, RER2_4, RGL3_4, Rabbitrun_17, Ramen_12, Ramsey_6, Rando14_10, Rapunzel97_12, Raqqa_6, Rasputin_11, Reptar3000_13, RexFury_11, Rhodalysa_11, Rialto_6, Richo_12, Roary_12, Roberts_7, RockyHorror_6, Ronaldo_41, Rosmarinus_12, Rossetti_7, Ruthiejr_12, Saintus_12, Salvus_9, SamScheppers_11, Samty_8, SamuelLPlaqson_12, Sarma624_6, Scarlett_11, Seagreen_6, Sephiroth_16, SgtBeansprout_8, Shadow1_10, Shaobing_12, ShawBrad_6, ShedlockHolmes_11, ShiaSurprise_12, Shuman_11, SilverChicken_6, SimranZ1_6, SirPhilip_11, Slarp_13, Slim_6, Slimphazie_12, Smeadley_12, SoSeph_10, Soul22_6, Spartoi_5, Spikelee_6, Spock_12, Spooky_6, Squiddly_7, Squirty_6, StCroix_11, Stap_6, Starcevich_6, Stephig9_12, Stinson_12, Studio_7, Sulley_12, Sunflower1121_10, Swann_11, Syleon_16, Syra333_11, TBond007_11, TClif_11, TM4_8, TMaxx_7, TWAMP_11, Tachez_12, Tailonex_12, TaiwanKao_12, Takoda_11, Taquito_11, Tchotchke_6, Teejan_8, Thyatira_10, Tierra_11, Tigress9_11, TingHuaYa_12, TiniBug_12, Tiri_12, TootsiePop_6, Tootsieroll_6, Topper_12, Torres_8, Totinger_6, Tourach_7, Trax_15, TreyKay_12, TribleTrouble_10, Trice_8, TripleC_10, TruffulaTree_12, Twitch_12, UhSalsa_11, UncleRicky_6, Unicorn_11, Urkel_12, Validus_12, Veliki_12, Velveteen_6, ViviJ_9, Volt_40, Waterfoul_10, Whitney_6, Wintermute_13, Ximenita_12, Y10_13, Y2_13, YasnayaPolyana_13, Yogi_11, Yoncess_11, Yoshi_6, YoureAdopted_11, Yuna_12, Yunkel11_12, Zabiza_12, Zapner_7, Zavala_12, ZhongYanYuan_6, Ziko_41, ZoeJ_8,

**Summary by start number:**

Start 28:
• Found in 3 of 1097 ( 0.3% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Sephiroth_16 (DU1),

Start 35:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_17 (DU2),

Start 39:
• Found in 4 of 1097 ( 0.4% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Kudefre_15 (DU1),

Start 40:
• Found in 16 of 1097 ( 1.5% ) of genes in pham
• Manual Annotations of this start: 4 of 985
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Collard_10 (K5), Gengar_10 (K5), Leston_10 (K5), Omnicron_10 (K5),

Start 43:

• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_6 (AY), Raqqa_6 (AY),

Start 44:
• Found in 8 of 1097 ( 0.7% ) of genes in pham
• Manual Annotations of this start: 5 of 985
• Called 62.5% of time when present
• Phage (with cluster) where this start called: LilJank_15 (DU2), Neville_15 (DU2), Octobien14_16 (DU1), Syleon_16 (DU1), Trax_15 (DU2),

Start 46:
• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Krueger_11 (K6),

Start 51:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malisha_6 (DN),

Start 52:
• Found in 5 of 1097 ( 0.5% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 20.0% of time when present
• Phage (with cluster) where this start called: NoShow_6 (AB),

Start 53:
• Found in 231 of 1097 ( 21.1% ) of genes in pham
• Manual Annotations of this start: 19 of 985
• Called 9.1% of time when present
• Phage (with cluster) where this start called: 20ES_15 (A2), Achebe_14 (A4), ArcherNM_17 (A2), BreSam8_16 (A3), Cullens_16 (A3), First_0015 (A2), Grum1_16 (A3), Guillsminger_10 (K5), Isca_14 (A3), Kimona_11 (A19), LadyBird_15 (A2), Mainiac_16 (A3), Malinsilva_18 (A3), MoneyMay_16 (A3), Naca_12 (A5), Pomar16_18 (A2), PotatoSplit_17 (A3), Sabia_16 (A3), SoilDragon_16 (A3), StarStuff_18 (A2), Wooldri_18 (A3),

Start 54:
• Found in 10 of 1097 ( 0.9% ) of genes in pham
• Manual Annotations of this start: 2 of 985
• Called 60.0% of time when present
• Phage (with cluster) where this start called: 8UZL_8 (AB), FF47_08 (AB), LongHai_9 (AB), Maco6_6 (AB), Muddy_8 (AB), Salvus_9 (AB),

Start 58:
• Found in 9 of 1097 ( 0.8% ) of genes in pham
• Manual Annotations of this start: 3 of 985
• Called 33.3% of time when present

• Phage (with cluster) where this start called: Holliday_6 (DN1), Spooky_6 (DN2), Squiddly_7 (DN2),

Start 61:
• Found in 180 of 1097 ( 16.4% ) of genes in pham
• Manual Annotations of this start: 20 of 985
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Aglet_16 (A3), Anubis_18 (A3), Beauxregard13_16 (A3), Hercules11_16 (A3), Jobu08_16 (A3), Louie6_16 (A3), LugYA_18 (A3), MarQuardt_16 (A3), Marie_16 (A3), Methuselah_16 (A3), Misomonster_18 (A3), NearlyHeadless_12 (A8), Penny1_16 (A3), Phillis_12 (A8), Rebeuca_15 (A10), Severus_13 (A10), Stephig9_12 (A8), Tiffany_16 (A3), Trike_12 (A10), Vix_16 (A3),

Start 64:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TM4_8 (K2),

Start 65:
• Found in 6 of 1097 ( 0.5% ) of genes in pham
• Manual Annotations of this start: 2 of 985
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Curiosium_13 (K1), LastHope_12 (K1), TingHuaYa_12 (K1),

Start 66:
• Found in 107 of 1097 ( 9.8% ) of genes in pham
• Manual Annotations of this start: 101 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_12 (K1), Adephagia_12 (K1), Adonis_12 (K1), Ageofdapage_12 (K1), AlishaPH_12 (K1), Amelie_8 (K1), Anaya_13 (K1), Angelica_12 (K1), Anma_12 (K1), Apocalypse_12 (K1), Asayake_12 (K1), Atiba_12 (K1), BEEST_12 (K1), BGlluviae_12 (K1), BaghaKamala_12 (K1), BarrelRoll_12 (K1), Beezoo_12 (K1), Bella96_12 (K1), Belladonna_12 (K1), Bern_12 (K1), Biglebops_8 (K1), Blizzard_12 (K1), Boiiii_12 (K1), CREW_12 (K1), CallaLilly_12 (K1), Capricorn_12 (K1), CaseJules_12 (K1), Chavito_12 (K1), CheetoDust_12 (K1), Clipper_12 (K1), CrimD_12 (K1), Dalmuri_12 (K1), DartGoblin_12 (K1), Dartin_12 (K1), Deby_12 (K1), Devera_12 (K1), Dole_12 (K1), DrHayes_12 (K1), Durfee_12 (K1), Efra2_12 (K1), Emerson_12 (K1), Enkosi_8 (K1), Ganymede_12 (K1), Geraldini_12 (K1), Guanica15_12 (K1), HedwigODU_12 (K1), Homura_12 (K1), Hyperbowlee_12 (K1), Illumine_12 (K1), Inky_12 (K1), JAWS_12 (K1), Jarvi_12 (K1), Jeckyll_12 (K1), Joy99_12 (K1), LaterM_12 (K1), LilPharaoh_8 (K1), LindNT_12 (K1), Llorens_12 (K1), Lunahalos_12 (K1), MacKat_12 (K1), McMater_12 (K1), Mdavu_8 (K1), MeaningOfLife_12 (K1), Megsy_12 (K1), Murucutumbu_12 (K1), Mynx_12 (K1), Nikao_8 (K1), Niklas_12 (K1), Nutello_8 (K1), Padfoot_12 (K1), Padpat_12 (K1), Peanam_12 (K1), Peel_12 (K1), Piatt_12 (K1), Pisa1_11 (K1), Pisa4_11 (K1), Pokerus_11 (K1), Prithvi_12 (K1), QuincyRose_11 (K1), Ramen_12 (K1), Richo_12 (K1), Rosmarinus_12 (K1), SamuelLPlaqson_12 (K1), SgtBeansprout_8 (K1), Shaobing_12 (K1), ShiaSurprise_12 (K1), Spock_12 (K1), Stinson_12 (K1), Sulley_12 (K1), Tachez_12 (K1), TaiwanKao_12 (K1), Teejan_8 (K1), TiniBug_12 (K1), Tiri_12 (K1), Topper_12 (K1), Torres_8 (K1),

TreyKay_12 (K1), Trice_8 (K1), TruffulaTree_12 (K1), Twitch_12 (K1), Urkel_12 (K1), Validus_12 (K1), Veliki_12 (K1), YoureAdopted_11 (K1), Yunkel11_12 (K1), Zabiza_12 (K1), Zavala_12 (K1),

Start 67:
• Found in 136 of 1097 ( 12.4% ) of genes in pham
• Manual Annotations of this start: 127 of 985
• Called 97.8% of time when present
• Phage (with cluster) where this start called: Alexphander_6 (F1), Aloeri_6 (F1), Amgine_10 (K6), Aminay_10 (K7), Amohnition_11 (K6), Applecrisp_10 (K6), Awesomesauce_6 (F1), Beakin_6 (F1), Beanstalk_6 (F1), BigPhil_6 (F1), Bobi_6 (F1), Bobquesha_13 (K4), Boilgate_9 (K8), Boomer_6 (F1), BoostSeason_8 (K2), Brookers_6 (F1), Brushbloom_6 (F1), Bryler_11 (K6), BuzzLyseyear_6 (F1), Cain_11 (K6), Cerasum_6 (F1), Chancellor_13 (K4), Cheetobro_13 (K4), ChickenDinner_6 (F1), Chris_11 (K1), Coco12_6 (F1), Cornucopia_6 (F1), DS6A_10 (singleton), DaWorst_6 (F1), DanSyl44_13 (K4), DarthP_11 (K6), DirtMcgirt_6 (F1), DocMcStuffins_6 (F1), Doomslug_6 (F), DosHalletts_6 (F1), Doughnut_8 (K2), Drago_6 (F1), Ekdilam_9 (K6), Ellie_9 (K6), Emmaloid_6 (F1), Enby_6 (F1), Eponine_13 (K4), Fefferhead_11 (K6), Fionnbharth_13 (K4), Flathead_6 (F1), Frankie_6 (F1), Girafales_6 (F1), Hammy_11 (K6), Hegedechwinu_6 (F1), JF1_13 (K4), JacoRen57_5 (AB), JalFarm20_6 (F1), Jayhawk_12 (K1), Job42_6 (F1), Juice456_6 (F1), Juliette_13 (K4), KiSi_11 (K1), Kimberlium_6 (F1), Kingsley_6 (F1), Kraw_13 (K4), Lavahound_10 (K6), LeMond_11 (K1), Lebo14_13 (K4), Leozinho_6 (F1), LittleShirley_6 (F1), LordVader_6 (F), Lorde_6 (F1), Lucia_6 (F1), Madiba_6 (F1), Malthus_13 (K4), MarkPhew_11 (K1), Marker_6 (F1), Marshawn_13 (K6), Misha28_6 (F1), MissDaisy_13 (K4), Mitti_13 (K4), Mova_6 (F1), Mozy_6 (F1), Mufasa_8 (K2), MulchExplorer_6 (F1), Nibb_11 (K1), November_10 (K6), Oksu_6 (F1), OmniCritical_13 (K4), Oscar_11 (K1), OwlsT2W_6 (F1), Patt_13 (K4), Peridot_6 (F1), PhelpsODU_11 (K6), Phrank_11 (K6), Piper2020_6 (F1), Plumbus_6 (F1), Pollywog_6 (F1), Qhanda_13 (K4), Quico_6 (F1), Ramsey_6 (F1), Rapunzel97_12 (K1), Reptar3000_13 (K4), Rialto_6 (F1), RockyHorror_6 (F1), Ruthiejr_12 (K4), SamScheppers_11 (K4), Sarma624_6 (F1), Scarlett_11 (K1), Seagreen_6 (F1), Shadow1_10 (K6), SimranZ1_6 (F1), Slarp_13 (K4), Slim_6 (F1), Slimphazie_12 (K1), Spikelee_6 (F1), Squirty_6 (F3), Stap_6 (F1), Starcevich_6 (F1), Sunflower1121_10 (K6), Syra333_11 (K6), Taquito_11 (K4), Tchotchke_6 (F1), Tierra_11 (K6), Tigress9_11 (K6), TootsiePop_6 (F1), Tootsieroll_6 (F1), Totinger_6 (F1), UncleRicky_6 (F1), Unicorn_11 (K6), Velveteen_6 (F1), Wintermute_13 (K4), Ximenita_12 (K6), Y10_13 (K4), Y2_13 (K4), YasnayaPolyana_13 (K4), Yuna_12 (K6), ZoeJ_8 (K2),

Start 68:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TClif_11 (K6),

Start 69:
• Found in 20 of 1097 ( 1.8% ) of genes in pham
• Manual Annotations of this start: 12 of 985
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Baoshan_6 (L2), Bellis_8 (L3), Claus_7 (L2), DHan_7 (L2), DanBing_6 (L2), DyoEdafos_8 (L4), Finnry_8 (L3), Kropertea_7 (L4), MacnCheese_12 (K3), Moostard_8 (L3), Pixie_11 (K3), Rossetti_7 (L2),

Samty_8 (L3), ShedlockHolmes_11 (K3), Tourach_7 (L2), ZhongYanYuan_6 (L2),

Start 70:
• Found in 16 of 1097 ( 1.5% ) of genes in pham
• Manual Annotations of this start: 11 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agamotto_9 (FR), AnnabelLee_7 (FR), Audell_10 (FR), CardboardBox_7 (FR), ChamoyPickle_7 (FR), ChipsNGuac_7 (FR), Ezurina_6 (FR), Gerri43_7 (FR), LastNadiia_10 (FR), Makima_8 (FR), Mireles_7 (FR), Neuvillette_7 (FR), Roberts_7 (FR), Studio_7 (FR), TMaxx_7 (FR), TripleC_10 (FR),

Start 71:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spartoi_5 (singleton),

Start 72:
• Found in 668 of 1097 ( 60.9% ) of genes in pham
• Manual Annotations of this start: 557 of 985
• Called 94.5% of time when present
• Phage (with cluster) where this start called: 40AC_18 (A17), ACFishhook_16 (A3), AN3_15 (A2), AN9_18 (A2), ANI8_18 (A2), AbbyPaige_17 (A2), AbbysRanger_14 (A4), Abdiel_14 (A4), Acolyte_15 (A2), Adzzy_16 (A2), Agape74_17 (A2), AgentM_12 (A5), AgronaGT15_16 (A3), Airmid_12 (A5), Albee_14 (A4), Alberto7_15 (A4), Aliter_16 (A9), Alma_16 (A9), Anaysia_17 (A15), Aneem_15 (A11), AnnaL29_18 (A2), Annyong_14 (A4), Anon_15 (A15), Anselm_15 (A2), Anthony_14 (A20), Aragog_12 (A5), Archetta_12 (A5), Arissanae_14 (A9), Artemis2UCLA_18 (A6), Arturo_13 (A4), AugsMagnumOpus_18 (A3), AvatarAhPeg_14 (A4), Avle17_14 (A4), Ayanochan_16 (A9), B1_12 (A3), BABullseye_18 (A6), Baby16_14 (A4), BabyBack_17 (A2), BabyJohn_13 (A3), BabyRay_14 (A3), Bachome_15 (A11), Backyardigan_14 (A4), Bactobuster_16 (A2), Badger_14 (A4), Baehexic_16 (A2), BangNhom_13 (A4), Bartimeaus_14 (A4), Battleship_18 (A15), Beemo_16 (A9), Bellris_14 (A9), BellusTerra_14 (A4), Benedict_12 (A5), BengiVuitton_16 (A2), BennyP_18 (A6), Benvolio_15 (A2), BiancaTri92_17 (A2), Bigflo_16 (A3), BillKnuckles_15 (A1), Blackmoor_14 (A4), BlessJoy_18 (A6), Blinn1_18 (A6), Blue7_18 (A6), BlueBird_15 (A3), Bluefalcon_11 (A5), BobSwaget_18 (A2), BogosyJay_16 (A9), Bombshell_14 (A4), Bonamassa_12 (A5), Boohoo_17 (A15), Bowtie_15 (A11), Bradman_14 (A2), Broseidon_14 (A4), Bruiser_14 (A4), BubbleTrouble_14 (A4), Buckaroo_13 (A4), Bud_15 (A11), Bugatti_14 (A3), Bugsy_17 (A2), Bumblebee11_14 (A4), Burger_13 (A4), BuzzBuzz_15 (A3), Bxb1_13 (A1), Bxz2_16 (A3), C3_13 (A2), CRB1_15 (A2), Caelakin_14 (A4), Calvinny_16 (A3), Camperdownii_13 (A4), Candra_18 (A6), Caraxes_14 (A2), Cat_12 (A3), Catalina_16 (A9), Caviar_15 (A3), Celestialunch_14 (A9), Centaur_17 (A2), CentreCat_14 (A4), Cerulean_14 (A4), Chadwick_13 (A5), ChampagnePapi_14 (A4), Changeling_18 (A2), Chaph_14 (A4), Chargerpower_15 (A22), Charm_15 (A9), Chartreuse_18 (A6), Che12_16 (A2), ChipMunk_17 (A2), Chiqui_13 (A3), Chupacabra_14 (A10), Cici_14 (A4), Cindaradix_13 (A4), Cintron_14 (A4), Citius_14 (A4), Clammy_14 (A3), Clarenza_14 (A4), CloudWang3_18 (A6), ClownCar_16 (A3), Cocoaberry_14 (A4), CogOmlette_13 (A9), Colbster_16 (A3), Colin_19 (A2), Commander_14 (A4), Connomayer_14 (A4), Conquerage_16 (A9), Conspiracy_12 (A5), Coog_12 (A5), Cookiedough_18 (A6), Croquant_17 (A3), Crucio_15 (A2), Cuco_12 (A5), D29_16 (A2), D32_18 (A2), DBQu4n_18 (A2),

DaHudson_16 (A3), DaVinci_18 (A6), Daishi_15 (A3), Dalmatian_15 (A2), Darrell_17 (A9), DarthPhader_16 (A12), Datway_14 (A4), Deano_14 (A4), DeerParkTS_16 (A2), DekHockey33_17 (A15), Deloris_16 (A2), DelvinSonDorr_17 (A6), Dhanush_14 (A4), Dieselweasel_16 (A3), Dignity_17 (A2), DirtyDunning_14 (A4), Discoknowium_12 (A5), DontArgue_13 (A10), Dorothea_18 (A6), Drake55_17 (A2), Drake94_13 (A10), DreamTeam1_15 (A9), DroogsArmy_15 (A7), DropBear_14 (A3), Druantia_14 (A4), Dublin_11 (A5), DudeLittle_15 (A2), Duplo_18 (A2), DustyMartin_17 (A10), EZMoney23_19 (A2), EagleEye_17 (A16), Eagle_13 (A4), Eaglepride_15 (A10), Eapen_14 (A4), Ebony_15 (A11), Echild_15 (A2), Edison31_14 (A10), EdogawaKiddo_14 (A9), Eidsmoe_16 (A9), ElTiger69_12 (A5), Elephantoon_16 (A9), Elle_15 (A15), EmyBug_16 (A9), EpicPhail_16 (A3), Epsocamisio_17 (A15), Equemioh13_17 (A2), EricB_18 (A6), Eris_14 (A4), Eros_14 (A4), Et2Brutus_14 (A11), EtoileNova_15 (A3), Eurydice_14 (A4), EvilGenius_17 (A2), ExplosioNervosa_16 (A9), Fameo_15 (A2), Farber_16 (A3), FatCactus_13 (A20), Fayely_16 (A9), Fernando_16 (A3), Fibonacci_15 (A11), FiringLine_15 (A2), Flare16_15 (A2), Flaverint_15 (A11), Florean_14 (A4), Florence1_12 (A5), Florence4_13 (A5), Flux_14 (A4), FlyCatcher_18 (A7), ForGetIt_12 (A5), ForesterFrank_16 (A2), Fred313_14 (A3), Funston_14 (A4), Gadost_14 (A4), Gail_14 (A14), Garak_19 (A6), GaugeLDP_17 (A2), Gemma_16 (A3), George_11 (A5), Georgie2_16 (A2), Ghoulboy_12 (A5), Gilberta_15 (A11), GingkoMaracino_16 (A3), Giroux_15 (A3), Gladiator_18 (A6), Goose1D_14 (A3), Goose1X_14 (A3), Goose_14 (A10), Gratitude_16 (A2), GreedyLawyer_18 (A6), Grif_16 (A3), Groupthink_17 (A3), Grub_16 (A3), Gruunaga_18 (A6), GtownJaz_16 (A3), Gwennie_16 (A3), HINdeR_14 (A7), HamSlice_13 (A4), Hammer_18 (A6), Hanray_15 (A9), Happiness_14 (A4), HarryHoudini_17 (A2), HashRod_17 (A3), HaveUMetTed_17 (A3), Heathen_14 (A3), Heffalump_17 (A2), HelDan_14 (A3), Heliosoles_16 (A3), Helmet_18 (A6), Herbertwm_13 (A2), Hexamo_18 (A6), HippoHollow_16 (A2), Holex_15 (A9), Holli_14 (A4), Hookmount_15 (A3), Hoot_18 (A6), HortumSL17_16 (A9), Houdini22_14 (A4), HuhtaEnerson15_12 (A5), Hutc2_15 (A11), Huxley_14 (A4), ICleared_14 (A4), Iceman_14 (A4), Idleandcovert_14 (A3), Imbriano_17 (A6), Indra_18 (A6), Insomnia_15 (A11), Iracema64_14 (A4), IronMan_17 (A2), Isiphiwo_18 (A6), Iwokeuplikedis_15 (A2), JF2_14 (A3), JF4_14 (A3), JHC117_16 (A3), JSwag_17 (A15), Jaan_18 (A2), Jabiru_12 (A5), Jabith_15 (A11), Jaykayelowell_14 (A4), Jeeves_14 (A14), Jeffabunny_18 (A6), JenCasNa_16 (A3), JeppNRM_17 (A3), Jerm_17 (A2), JetBlade_14 (A4), JewelBug_18 (A6), Jiawan_15 (A9), JoongJeon_14 (A4), Jordennis_18 (A6), Joselito_15 (A11), JoshKayV_17 (A2), Journey13_13 (A2), Jovo_12 (A5), Jsquared_14 (A2), Junimo_13 (A4), KADY_17 (A3), KFPoly_14 (A4), Kachowdy_14 (A3), Kalb97_17 (A3), Kalnoky_17 (A3), Kalpine_18 (A2), Kampy_14 (A4), Katalie136_14 (A4), KatherineG_17 (A15), Kazan_18 (A6), Keelan_36 (DP), KekoraPapaka_13 (A4), Kerberos_18 (A2), Keziacharles14_14 (A9), Kimba_15 (A11), KingCyrus_17 (A2), Kingmustik0402_14 (A4), Kinmap_14 (A21), Kipper29_18 (A6), KittenMittens_13 (A10), Klodlith_15 (A9), Koan_14 (A4), Koduck_16 (A2), Koko_18 (A6), Koreni_13 (A4), Kratark_14 (A4), Kremtemulon_14 (A4), Kristoff_15 (A10), Kugel_15 (A1), Kyee_14 (A4), Kykar_12 (A1), L5_16 (A2), LBerry_16 (A3), LHTSCC_14 (A4), Lambert1_15 (A3), Landor_16 (A2), LappelDuVide_14 (A4), Larenn_16 (A2), LarryKay_16 (A3), LastResort_17 (A15), Lemur_14 (A4), LeoAvram_14 (A4), Leogania_17 (A2), Lev2_12 (A5), Leviathan_17 (A2), LilTurb_17 (A2), Lilbunny_18 (A6), Lilith_16 (A3), Lilleskat_14 (A9), LionsBait_16 (A2), LittleB_14 (A4), LittleCherry_12 (A5), LittleGuy_14 (A4), LochMonster_14 (A4), LogiBear_18 (A15), Lokk_18 (A2), LoneWolf_16 (A9), Looper_18 (A15), Lorenzo_14 (A4), Loser_18 (A2), Lowa_16 (A3), Luchador_15 (A14), Lucivia_15 (A11), Lucyedi_16 (A16), Lunsford_15 (A4), MA5_14 (A3), MK4_14 (A3), MaCh_15 (A11), Mabel_15 (A11), MadMarie_16 (A3), MajorMajor_14 (A2), Malec_16 (A2), Maminiaina_16 (A9),

Manu_17 (A3), Marchesa_14 (A3), Margo_15 (A3), Marius_17 (A3), MarysWell_11 (A5), Maverick_14 (A4), Maxo_14 (A4), Mayonnaise_14 (A4), Mazhar510_14 (A4), McFly_18 (A6), Medusa_14 (A4), MeeZee_14 (A4), MegTheThird_14 (A9), Melvin_14 (A4), Micasa_12 (A5), Microwolf_16 (A3), MiculUcigas_15 (A2), Midas2_12 (A5), Miko_18 (A2), Milcery_12 (A5), Millski_14 (A4), MinecraftSteve_18 (A15), Minispark_13 (A9), Miramae_14 (A4), MissWhite_15 (A2), Montavir_15 (A3), Morpher26_14 (A4), Morrow_14 (A4), MuchMore_18 (A3), Mulciber_15 (A11), Munch_15 (A11), Mundrea_14 (A4), MyraDee_12 (A18), Myxus_16 (A9), NaSiaTalie_15 (A2), Naji_18 (A2), Nebs_14 (A4), Nebulosus_17 (A15), Nedarya_16 (A15), Neeharika16_18 (A6), Nemo27_14 (A4), Newrala_18 (A6), NicoleTera_19 (A2), Noella_15 (A3), Noelle_14 (A4), Norbert_14 (A3), NorthStar_14 (A4), Northrop_14 (A4), NotAPhaseMom_14 (A4), NothingSpecial_17 (A2), Nyxis_14 (A4), OKCentral2016_14 (A10), OKaNui_14 (A4), Obama12_14 (A4), Odin_14 (A2), Ohfah_14 (A4), OlanP_16 (A3), Ollie_16 (A3), Onglai_15 (A9), Oofda_17 (A15), Orange_15 (A11), P28Green_16 (A3), PGHhamlin_18 (A3), PP_24 (A7), PackMan_16 (A9), PainterBoy_16 (A16), Palestino_14 (A4), Panamaxus_15 (A3), Pawn_16 (A3), PeaceMeal1_13 (A10), Peaches_14 (A4), Pembroke_16 (A3), Perplexer_14 (A4), PeterPeter_14 (A4), Petersenfast_15 (A11), PetiteSangsue_14 (A4), PetterN_13 (A5), Ph8s_16 (A2), Phacado_14 (A4), Phaded_18 (A2), Phaeder_16 (A9), Phantastic_14 (A3), Pharaoh_15 (A12), Phelipe_14 (A4), Phighter1804_14 (A4), PhishRPhriends_15 (A3), Phlei_11 (A13), Phlorence_12 (A5), Phoebe_16 (A3), Phonnegut_16 (A9), Phontbonne_14 (A4), Phoxy_16 (A3), Phranny_17 (A3), PickleBack_12 (A5), Pioneer_16 (A9), Pipcraft_14 (A4), Piro94_16 (A2), Pistachio_15 (A3), Pmask_18 (A6), Pocahontas_15 (A3), Polymorphads_14 (A4), Polyphemus_18 (A6), Poompha_13 (A10), Popcicle_15 (A3), Power_15 (A2), Priamo_18 (A6), Prinashe11_13 (A5), Priya_16 (A9), Prudy_17 (A2), Pukovnik_17 (A2), Pumbaa_14 (A4), Puppy_15 (A3), PurpleHaze_16 (A3), Qobbit_16 (A9), QueenB2_15 (A2), QueenBeesly_15 (A2), QuinnKiro_14 (A3), Quokka_13 (A2), Rachaly_18 (A2), Rahalelujah_14 (A9), Ravana_17 (A15), ReMo_17 (A15), Reba_17 (A3), RedRock_18 (A2), Refuge_18 (A12), Relief_14 (A4), Remus_17 (A15), ResDef_15 (A3), Retro23_15 (A2), RhynO_15 (A10), Rifter_18 (A6), RockieBear_13 (A4), Rocksand_14 (A4), Rockstar_14 (A3), Roimos_14 (A3), Roksolana_18 (A6), Romney_14 (A4), Roosevelt_14 (A4), Rosa24_13 (A4), Rosalind_17 (A15), Rowdy_17 (A10), Ruin_14 (A4), Rummer_16 (A3), RyeScarlet_17 (A9), Sabertooth_14 (A4), Sabinator_16 (A3), Sachima_14 (A9), Salz_15 (A11), Saskia_15 (A11), SaturnRing_14 (A3), Scamp_14 (A4), Scherzo_16 (A9), Scorpia_13 (A5), Scout_14 (A3), SemperFi_17 (A2), SenorClean_14 (A4), Serenity_14 (A2), Shaka_14 (A4), Sham4_15 (A11), Shapes_17 (A10), ShayRa_18 (A15), SheaKeira_15 (A9), Sheen_16 (A7), SheldonCooper_14 (A4), Shep_14 (A3), Shygu2_14 (A4), Skadoosh_14 (A4), Skipitt_14 (A4), Sknot_15 (A2), Smeagan_17 (A2), SmellyB_18 (A6), SnapTap_15 (A2), Snape_15 (A11), Snickers_16 (A3), SoYo_16 (A3), SororFago_14 (A14), Soshari_18 (A3), Soups_17 (A15), Sparxx_14 (A4), Spike509_16 (A3), Spino_14 (A4), Spouty_16 (A9), Stagni_16 (A3), Stasia_15 (A4), SteMason_14 (A4), Steamy_16 (A12), StepMih_16 (A3), Stink_14 (A4), Strosahl_17 (A15), Sultana_14 (A4), Sunhee_14 (A14), SuperAwesome_18 (A6), SuperCallie99_18 (A6), Superchunk_14 (A2), SweetiePie_15 (A2), SwirlSquare_16 (A2), Swirley_12 (A5), Switzerland_17 (A15), SydNat_12 (A5), TNguyen7_14 (A3), Taquarus_14 (A4), Target_16 (A1), TarsusIV_15 (A2), Tarynearal_11 (A5), Taurus_16 (A3), Temprado_18 (A6), Terrific_19 (A2), Texage_14 (A3), Thanksgivukkah_14 (A4), Theia_11 (A5), Tiger_12 (A5), Timothy_15 (A11), Timshel_15 (A7), TinaFeyge_14 (A4), TinyPebbles_16 (A3), TinyTimmy_15 (A11), Tinybot_13 (A4), TipsytheTRex_14 (A2), TiroTheta9_14 (A4), Toaka_14 (A9), Todacoro_15 (A3), Tomathan_18 (A2), ToneTone_17 (A6), Topanga_14 (A10),

Toro_17 (A7), Travvers_18 (A2), Tristan_16 (A2), Trixie_18 (A2), Trooper_15 (A2), TroyPia_14 (A4), Tubs_16 (A9), Tucker_18 (A6), Turbido_17 (A2), Twigg_12 (A5), Twister_14 (A10), TygerBlood_14 (A4), Ugenie5_13 (A9), Ulysses_13 (A4), UnionJack_12 (A5), Updawg_17 (A2), VA6_15 (A2), VC3_18 (A2), Vanisoa_14 (A9), Veracruz_14 (A3), VohminGhazi_18 (A6), Waits_17 (A15), WalterMcMickey_14 (A10), Wander_14 (A4), Warrior24_17 (A15), Watson_16 (A3), WeiHuaDA_21 (A2), Whabigail7_17 (A2), Whitspit_15 (A1), WideWale_17 (A2), Wiks_18 (A6), Wilbur_14 (A4), Wile_14 (A4), Wizard007_14 (A4), Wolpertinger_14 (A11), WorldCup_13 (A9), WunderPhul_18 (A6), Xena_14 (A4), XianYue_15 (A2), Yecey3_15 (A9), YoSam321_14 (A4), Yokurt_18 (A6), Zaka_18 (A6), Zarafa_14 (A3), Zetzy_15 (A3), Zimmer_17 (A12), Zolita_11 (A5), Zulu_18 (A6),

Start 73:
• Found in 12 of 1097 ( 1.1% ) of genes in pham
• Manual Annotations of this start: 10 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Avani_6 (F2), Blarby_7 (F), Che9d_6 (F2), Demsculpinboyz_6 (F2), Ecliptus_6 (DN), Jabbawokkie_7 (F2), ODay_6 (DN), Ogopogo_7 (F1), SilverChicken_6 (F2), Soul22_6 (F2), Yoshi_6 (F2), Zapner_7 (F2),

Start 74:
• Found in 35 of 1097 ( 3.2% ) of genes in pham
• Manual Annotations of this start: 13 of 985
• Called 37.1% of time when present
• Phage (with cluster) where this start called: AlleyCat_10 (K5), Astro_12 (A8), Caitlin_12 (A8), Danforth_11 (A8), Dixon_12 (A8), Expelliarmus_11 (A8), Groundhog_11 (A8), Kratio_9 (K5), Larva_10 (K5), Pitbull_5 (FQ1), Roary_12 (A8), Saintus_12 (A8), Smeadley_12 (A8),

Start 76:
• Found in 21 of 1097 ( 1.9% ) of genes in pham
• Manual Annotations of this start: 17 of 985
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Asapag_6 (DN1), BENtherdunthat_6 (DN1), BotCity_6 (DN), Budski_6 (DN), CheeseTouch_6 (DN1), Frickyeah_6 (DN1), Getalong_6 (DN1), Horus_6 (DN1), Kamaru_6 (DN1), Kenna_6 (DN1), Leroy_6 (DN1), LitninMcQueen_6 (DN1), Lutum_6 (DN1), Periwinkle_6 (DN1), Phabuloso_6 (DN1), Phistory_6 (DN1), ShawBrad_6 (DN1), Whitney_6 (DN1),

Start 79:
• Found in 30 of 1097 ( 2.7% ) of genes in pham
• Manual Annotations of this start: 8 of 985
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Feyre_10 (K5), Fryberger_38 (DP), Guey18_43 (DP), Neighly_10 (K3), OkiRoe_10 (K5), Paola_10 (K5), Ronaldo_41 (DP), Volt_40 (DP), Ziko_41 (DP),

Start 80:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV2_05 (singleton),

Start 82:
• Found in 10 of 1097 ( 0.9% ) of genes in pham
• Manual Annotations of this start: 7 of 985
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Hurricane_11 (K3), Keshu_11 (K3), Lea83_11 (K3), Pharb_11 (K3), SirPhilip_11 (K6), TBond007_11 (K3), TribleTrouble_10 (K3),

Start 83:
• Found in 25 of 1097 ( 2.3% ) of genes in pham
• Manual Annotations of this start: 13 of 985
• Called 56.0% of time when present
• Phage (with cluster) where this start called: Agent47_10 (K5), BananenDer11_10 (K5), Dadosky_10 (K5), DoubleChamp_10 (K5), Edugator_9 (K5), Heftyboy_10 (K5), InvictusManeo_10 (K5), LilDirt_9 (K5), Miryou_10 (K5), Psycho_10 (K5), SoSeph_10 (K5), Thyatira_10 (K5), ViviJ_9 (K5), Waterfoul_10 (K5),

Start 84:
• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rando14_10 (K5),

Start 86:
• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 2 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_5 (FP), LisoBros_5 (FP),

Start 93:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• Manual Annotations of this start: 1 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_5 (FQ1),

Start 94:
• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 2 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_5 (FP), CallinAllBarbz_5 (FP),

Start 97:
• Found in 2 of 1097 ( 0.2% ) of genes in pham
• Manual Annotations of this start: 2 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GrimEater_5 (FP), Jankie_5 (FP),

Start 98:
• Found in 1 of 1097 ( 0.1% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tailonex_12 (singleton),

Start 99:
• Found in 38 of 1097 ( 3.5% ) of genes in pham
• Manual Annotations of this start: 36 of 985
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatin_11 (CA), Alpacados_10 (CA), AngryOrchard_10 (CA), AppleCloud_9 (CA), Belenaria_11 (CA), BobbyDazzler_11 (CA), Bonanza_11 (CA), Bradshaw_11 (CA), Bryce_11 (CA), CosmicSans_11 (CA), Dinger_11 (CA), Erik_11 (CA), Espica_11 (CA), Gollum_11 (CA), Harlequin_11 (CA), Hiro_11 (CA), Jester_11 (CA), Krishelle_11 (CA), Lillie_11 (CA), Naiad_11 (CA), Nancinator_11 (CA), Natosaleda_11 (CA), Partridge_11 (CA), PhailMary_10 (CA), Phrankenstein_11 (CA), RER2_4 (CA), RGL3_4 (CA), Rasputin_11 (CA), RexFury_11 (CA), Rhodalysa_11 (CA), Shuman_11 (CA), StCroix_11 (CA), Swann_11 (CA), TWAMP_11 (CA), Takoda_11 (CA), UhSalsa_11 (CA), Yogi_11 (CA), Yoncess_11 (CA),

**Summary by clusters:**

There are 50 clusters represented in this pham: DN, FP, FR, singleton, A21, K3, K2, K1, K7, K6, K5, K4, K8, DP, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, DU2, AB, F, CA, DN2, A22, L4, L2, L3, DU1, AY, A20, F1, F2, F3, DN1, FQ1,

Info for manual annotations of cluster A1:
•Start number 72 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 61 was manually annotated 3 times for cluster A10.
•Start number 72 was manually annotated 14 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 72 was manually annotated 27 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 72 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 72 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 72 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 53 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

•Start number 53 was manually annotated 4 times for cluster A2.
•Start number 72 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 72 was manually annotated 1 time for cluster A20.

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 53 was manually annotated 11 times for cluster A3.
•Start number 61 was manually annotated 14 times for cluster A3.
•Start number 72 was manually annotated 96 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 53 was manually annotated 1 time for cluster A4.
•Start number 72 was manually annotated 142 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 53 was manually annotated 1 time for cluster A5.
•Start number 72 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 72 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 72 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 61 was manually annotated 3 times for cluster A8.
•Start number 74 was manually annotated 9 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 72 was manually annotated 38 times for cluster A9.

Info for manual annotations of cluster AB:
•Start number 52 was manually annotated 1 time for cluster AB.
•Start number 54 was manually annotated 2 times for cluster AB.
•Start number 67 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AY:
•Start number 43 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster CA:
•Start number 99 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster DN:
•Start number 51 was manually annotated 1 time for cluster DN.
•Start number 73 was manually annotated 2 times for cluster DN.
•Start number 76 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

•Start number 58 was manually annotated 1 time for cluster DN1.
•Start number 76 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 58 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:
•Start number 72 was manually annotated 1 time for cluster DP.
•Start number 79 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 28 was manually annotated 1 time for cluster DU1.
•Start number 39 was manually annotated 1 time for cluster DU1.
•Start number 44 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 35 was manually annotated 1 time for cluster DU2.
•Start number 44 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster F:
•Start number 67 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 67 was manually annotated 62 times for cluster F1.
•Start number 73 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 73 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 67 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FP:
•Start number 86 was manually annotated 2 times for cluster FP.
•Start number 94 was manually annotated 2 times for cluster FP.
•Start number 97 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ1:
•Start number 74 was manually annotated 1 time for cluster FQ1.
•Start number 93 was manually annotated 1 time for cluster FQ1.

Info for manual annotations of cluster FR:
•Start number 70 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster K1:
•Start number 65 was manually annotated 2 times for cluster K1.
•Start number 66 was manually annotated 101 times for cluster K1.
•Start number 67 was manually annotated 10 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 64 was manually annotated 1 time for cluster K2.
•Start number 67 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 69 was manually annotated 3 times for cluster K3.
•Start number 82 was manually annotated 6 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 67 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 40 was manually annotated 4 times for cluster K5.
•Start number 53 was manually annotated 1 time for cluster K5.
•Start number 74 was manually annotated 3 times for cluster K5.
•Start number 79 was manually annotated 3 times for cluster K5.
•Start number 83 was manually annotated 13 times for cluster K5.
•Start number 84 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:
•Start number 46 was manually annotated 1 time for cluster K6.
•Start number 67 was manually annotated 23 times for cluster K6.
•Start number 68 was manually annotated 1 time for cluster K6.
•Start number 82 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 67 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 67 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L2:
•Start number 69 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 69 was manually annotated 4 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 69 was manually annotated 2 times for cluster L4.

### *Gene Information:*

Gene: 20ES_15 Start: 11599, Stop: 12150, Start Num: 53
Candidate Starts for 20ES_15:
(Start: 53 @11599 has 19 MA's), (Start: 61 @11614 has 20 MA's), (Start: 72 @11635 has 557 MA's), (107, 11713), (157, 11926), (166, 11953), (190, 12091),

Gene: 40AC_18 Start: 13636, Stop: 14160, Start Num: 72
Candidate Starts for 40AC_18:
(Start: 53 @13600 has 19 MA's), (Start: 61 @13615 has 20 MA's), (Start: 72 @13636 has 557 MA's), (103, 13702), (121, 13774), (144, 13879), (157, 13933),

Gene: 8UZL_8 Start: 5809, Stop: 6405, Start Num: 54
Candidate Starts for 8UZL_8:
(Start: 54 @5809 has 2 MA's), (100, 5932), (116, 6001), (147, 6151), (159, 6190),

Gene: ACFishhook_16 Start: 11156, Stop: 11659, Start Num: 72
Candidate Starts for ACFishhook_16:
(Start: 53 @11120 has 19 MA's), (Start: 61 @11135 has 20 MA's), (Start: 72 @11156 has 557 MA's), (130, 11333), (162, 11465), (166, 11477),

Gene: AN3_15 Start: 11619, Stop: 12140, Start Num: 72
Candidate Starts for AN3_15:
(Start: 53 @11583 has 19 MA's), (Start: 61 @11598 has 20 MA's), (Start: 72 @11619 has 557 MA's), (157, 11916), (166, 11943), (190, 12081),

Gene: AN9_18 Start: 11582, Stop: 12103, Start Num: 72
Candidate Starts for AN9_18:
(45, 11534), (Start: 72 @11582 has 557 MA's), (121, 11726), (123, 11741), (144, 11831), (157, 11885), (162, 11900), (190, 12044), (197, 12077),

Gene: ANI8_18 Start: 11582, Stop: 12103, Start Num: 72
Candidate Starts for ANI8_18:
(45, 11534), (Start: 72 @11582 has 557 MA's), (121, 11726), (144, 11831), (157, 11885), (162, 11900), (190, 12044), (197, 12077),

Gene: AbbyDaisy_6 Start: 4441, Stop: 5022, Start Num: 43
Candidate Starts for AbbyDaisy_6:
(26, 4336), (Start: 43 @4441 has 1 MA's), (Start: 67 @4489 has 127 MA's), (81, 4537), (115, 4651), (152, 4813),

Gene: AbbyPaige_17 Start: 12068, Stop: 12595, Start Num: 72
Candidate Starts for AbbyPaige_17:
(Start: 72 @12068 has 557 MA's), (157, 12368), (162, 12383), (190, 12536), (197, 12569),

Gene: AbbysRanger_14 Start: 10955, Stop: 11479, Start Num: 72
Candidate Starts for AbbysRanger_14:
(Start: 53 @10922 has 19 MA's), (Start: 72 @10955 has 557 MA's), (104, 11039), (137, 11189), (178, 11366), (190, 11423),

Gene: Abdiel_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Abdiel_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Achebe_14 Start: 10910, Stop: 11458, Start Num: 53
Candidate Starts for Achebe_14:
(6, 10652), (13, 10703), (17, 10739), (18, 10742), (Start: 53 @10910 has 19 MA's), (Start: 72 @10943 has 557 MA's), (178, 11345),

Gene: Acolyte_15 Start: 11767, Stop: 12288, Start Num: 72
Candidate Starts for Acolyte_15:
(Start: 53 @11731 has 19 MA's), (Start: 61 @11746 has 20 MA's), (Start: 72 @11767 has 557 MA's), (95, 11818), (157, 12067), (166, 12094), (169, 12103), (197, 12262),

Gene: ActinUp_12 Start: 7313, Stop: 7855, Start Num: 66
Candidate Starts for ActinUp_12:
(Start: 66 @7313 has 101 MA's), (122, 7448), (164, 7616), (199, 7811), (206, 7829), (207, 7838),

Gene: Adephagia_12 Start: 7313, Stop: 7855, Start Num: 66
Candidate Starts for Adephagia_12:
(Start: 66 @7313 has 101 MA's), (122, 7448), (164, 7616), (199, 7811), (206, 7829), (207, 7838),

Gene: Adonis_12 Start: 7324, Stop: 7866, Start Num: 66
Candidate Starts for Adonis_12:
(Start: 66 @7324 has 101 MA's), (122, 7459), (164, 7627), (199, 7822), (206, 7840), (207, 7849),

Gene: Adzzy_16 Start: 10383, Stop: 10907, Start Num: 72
Candidate Starts for Adzzy_16:
(Start: 72 @10383 has 557 MA's), (95, 10434), (103, 10452), (121, 10524), (126, 10554), (162, 10698), (166, 10710), (169, 10719), (190, 10845), (197, 10878), (200, 10887),

Gene: Agamotto_9 Start: 8117, Stop: 8620, Start Num: 70
Candidate Starts for Agamotto_9:
(Start: 70 @8117 has 11 MA's), (127, 8285), (129, 8300),

Gene: Agape74_17 Start: 12068, Stop: 12595, Start Num: 72
Candidate Starts for Agape74_17:
(Start: 72 @12068 has 557 MA's), (157, 12368), (162, 12383), (190, 12536), (197, 12569),

Gene: Agent47_10 Start: 7496, Stop: 8026, Start Num: 83
Candidate Starts for Agent47_10:
(Start: 74 @7460 has 13 MA's), (Start: 79 @7481 has 8 MA's), (Start: 83 @7496 has 13 MA's), (90, 7508), (164, 7793),

Gene: AgentM_12 Start: 10341, Stop: 10850, Start Num: 72
Candidate Starts for AgentM_12:
(Start: 72 @10341 has 557 MA's), (111, 10431), (144, 10584), (153, 10626), (162, 10653), (169, 10674), (174, 10722),

Gene: Ageofdapage_12 Start: 7253, Stop: 7795, Start Num: 66
Candidate Starts for Ageofdapage_12:
(Start: 66 @7253 has 101 MA's), (122, 7388), (164, 7556), (206, 7769), (207, 7778),

Gene: Aglet_16 Start: 10983, Stop: 11507, Start Num: 61
Candidate Starts for Aglet_16:
(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: AgronaGT15_16 Start: 10911, Stop: 11414, Start Num: 72
Candidate Starts for AgronaGT15_16:
(Start: 53 @10875 has 19 MA's), (Start: 61 @10890 has 20 MA's), (Start: 72 @10911 has 557 MA's), (130, 11088), (162, 11220), (166, 11232),

Gene: Airmid_12 Start: 10089, Stop: 10601, Start Num: 72
Candidate Starts for Airmid_12:
(Start: 53 @10056 has 19 MA's), (Start: 72 @10089 has 557 MA's), (111, 10182), (153, 10377), (162, 10404), (174, 10473), (183, 10506), (196, 10572),

Gene: Alatin_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Alatin_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (176, 7572), (200, 7686),

Gene: Albee_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Albee_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Alberto7_15 Start: 11244, Stop: 11756, Start Num: 72
Candidate Starts for Alberto7_15:
(Start: 72 @11244 has 557 MA's), (114, 11355), (178, 11643),

Gene: Alexphander_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Alexphander_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: AlishaPH_12 Start: 7315, Stop: 7857, Start Num: 66
Candidate Starts for AlishaPH_12:
(Start: 66 @7315 has 101 MA's), (122, 7450), (128, 7483), (164, 7618), (199, 7813), (206, 7831), (207, 7840),

Gene: Aliter_16 Start: 12195, Stop: 12728, Start Num: 72
Candidate Starts for Aliter_16:
(Start: 72 @12195 has 557 MA's), (95, 12243), (124, 12357), (157, 12498), (162, 12513), (166, 12525), (197, 12693), (198, 12696),

Gene: AlleyCat_10 Start: 7355, Stop: 7921, Start Num: 74
Candidate Starts for AlleyCat_10:
(Start: 74 @7355 has 13 MA's), (Start: 79 @7376 has 8 MA's), (Start: 83 @7391 has 13 MA's), (90, 7403), (164, 7688),

Gene: Alma_16 Start: 12274, Stop: 12807, Start Num: 72
Candidate Starts for Alma_16:
(Start: 72 @12274 has 557 MA's), (95, 12322), (124, 12436), (157, 12577), (162, 12592), (166, 12604), (197, 12772), (198, 12775),

Gene: Aloeri_6 Start: 4412, Stop: 4948, Start Num: 67
Candidate Starts for Aloeri_6:
(Start: 67 @4412 has 127 MA's), (134, 4634), (154, 4703), (156, 4712), (164, 4730), (179, 4814), (207, 4931),

Gene: Alpacados_10 Start: 7165, Stop: 7650, Start Num: 99
Candidate Starts for Alpacados_10:
(38, 7003), (Start: 99 @7165 has 36 MA's), (147, 7396), (168, 7462), (176, 7519),

Gene: Amelie_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Amelie_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Amgine_10 Start: 6944, Stop: 7507, Start Num: 67
Candidate Starts for Amgine_10:
(Start: 67 @6944 has 127 MA's), (164, 7274), (206, 7481), (207, 7490),

Gene: Aminay_10 Start: 7229, Stop: 7786, Start Num: 67
Candidate Starts for Aminay_10:
(Start: 67 @7229 has 127 MA's), (207, 7769),

Gene: Amohnition_11 Start: 7198, Stop: 7755, Start Num: 67
Candidate Starts for Amohnition_11:
(55, 7180), (Start: 67 @7198 has 127 MA's), (164, 7522), (199, 7711), (206, 7729), (207, 7738),

Gene: Anaya_13 Start: 7316, Stop: 7855, Start Num: 66
Candidate Starts for Anaya_13:
(Start: 66 @7316 has 101 MA's), (122, 7451), (152, 7583), (164, 7619), (199, 7811), (206, 7829), (207, 7838),

Gene: Anaysia_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for Anaysia_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: Aneem_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Aneem_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Angelica_12 Start: 7293, Stop: 7826, Start Num: 66
Candidate Starts for Angelica_12:
(Start: 66 @7293 has 101 MA's), (122, 7422), (206, 7800), (207, 7809),

Gene: AngryOrchard_10 Start: 7148, Stop: 7633, Start Num: 99
Candidate Starts for AngryOrchard_10:
(38, 6986), (Start: 99 @7148 has 36 MA's), (147, 7379), (168, 7445), (176, 7502),

Gene: Anma_12 Start: 7263, Stop: 7805, Start Num: 66
Candidate Starts for Anma_12:
(Start: 66 @7263 has 101 MA's), (122, 7398), (164, 7566), (199, 7761), (206, 7779), (207, 7788),

Gene: AnnaL29_18 Start: 13469, Stop: 13981, Start Num: 72
Candidate Starts for AnnaL29_18:
(Start: 72 @13469 has 557 MA's), (169, 13796), (190, 13922),

Gene: AnnabelLee_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for AnnabelLee_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: Annyong_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Annyong_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Anon_15 Start: 11108, Stop: 11614, Start Num: 72
Candidate Starts for Anon_15:
(Start: 72 @11108 has 557 MA's), (133, 11297), (166, 11423), (205, 11606),

Gene: Anselm_15 Start: 11730, Stop: 12242, Start Num: 72
Candidate Starts for Anselm_15:
(Start: 53 @11694 has 19 MA's), (Start: 61 @11709 has 20 MA's), (Start: 72 @11730 has 557 MA's), (157, 12018), (166, 12045), (190, 12183), (197, 12216),

Gene: Anthony_14 Start: 9846, Stop: 10355, Start Num: 72
Candidate Starts for Anthony_14:

(Start: 72 @9846 has 557 MA's), (121, 9981), (126, 10011), (197, 10332),

Gene: Anubis_18 Start: 10868, Stop: 11392, Start Num: 61
Candidate Starts for Anubis_18:
(Start: 53 @10853 has 19 MA's), (Start: 61 @10868 has 20 MA's), (Start: 72 @10889 has 557 MA's), (130, 11066), (162, 11198), (166, 11210),

Gene: Apocalypse_12 Start: 7291, Stop: 7833, Start Num: 66
Candidate Starts for Apocalypse_12:
(Start: 66 @7291 has 101 MA's), (122, 7426), (164, 7594), (199, 7789), (206, 7807), (207, 7816),

Gene: AppleCloud_9 Start: 6912, Stop: 7397, Start Num: 99
Candidate Starts for AppleCloud_9:
(38, 6750), (Start: 99 @6912 has 36 MA's), (147, 7143), (168, 7209), (176, 7266),

Gene: Applecrisp_10 Start: 7342, Stop: 7908, Start Num: 67
Candidate Starts for Applecrisp_10:
(Start: 67 @7342 has 127 MA's), (164, 7675), (206, 7882), (207, 7891),

Gene: ArV2_05 Start: 4203, Stop: 4730, Start Num: 80
Candidate Starts for ArV2_05:
(80, 4203), (92, 4236), (124, 4362), (187, 4641),

Gene: Aragog_12 Start: 10371, Stop: 10880, Start Num: 72
Candidate Starts for Aragog_12:
(Start: 72 @10371 has 557 MA's), (111, 10461), (144, 10614), (153, 10656), (162, 10683), (174, 10752),

Gene: ArcherNM_17 Start: 13370, Stop: 13930, Start Num: 53
Candidate Starts for ArcherNM_17:
(Start: 53 @13370 has 19 MA's), (59, 13385), (Start: 72 @13406 has 557 MA's), (103, 13475), (169, 13742), (190, 13871),

Gene: Archetta_12 Start: 10081, Stop: 10593, Start Num: 72
Candidate Starts for Archetta_12:
(32, 9982), (Start: 53 @10048 has 19 MA's), (Start: 72 @10081 has 557 MA's), (111, 10174), (153, 10369), (162, 10396), (174, 10465), (183, 10498), (196, 10564),

Gene: Arissanae_14 Start: 10395, Stop: 10925, Start Num: 72
Candidate Starts for Arissanae_14:
(Start: 72 @10395 has 557 MA's), (96, 10443), (111, 10500), (157, 10695), (166, 10722), (197, 10890), (198, 10893),

Gene: Artemis2UCLA_18 Start: 11564, Stop: 12085, Start Num: 72
Candidate Starts for Artemis2UCLA_18:
(31, 11468), (Start: 72 @11564 has 557 MA's), (95, 11612), (121, 11699), (140, 11792), (144, 11804), (172, 11930),

Gene: Arturo_13 Start: 11053, Stop: 11565, Start Num: 72
Candidate Starts for Arturo_13:
(Start: 72 @11053 has 557 MA's), (114, 11164), (178, 11452),

Gene: Asapag_6 Start: 4327, Stop: 4878, Start Num: 76

Candidate Starts for Asapag_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Asayake_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Asayake_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Astro_12 Start: 9843, Stop: 10349, Start Num: 74
Candidate Starts for Astro_12:
(Start: 74 @9843 has 13 MA's), (134, 10035), (145, 10092), (152, 10116), (162, 10149), (169, 10170), (188, 10275),

Gene: Atiba_12 Start: 7279, Stop: 7821, Start Num: 66
Candidate Starts for Atiba_12:
(Start: 66 @7279 has 101 MA's), (122, 7414), (164, 7582), (199, 7777), (206, 7795), (207, 7804),

Gene: Audell_10 Start: 8386, Stop: 8895, Start Num: 70
Candidate Starts for Audell_10:
(Start: 70 @8386 has 11 MA's),

Gene: AugsMagnumOpus_18 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for AugsMagnumOpus_18:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: Avani_6 Start: 4307, Stop: 4855, Start Num: 73
Candidate Starts for Avani_6:
(34, 4205), (Start: 73 @4307 has 10 MA's), (108, 4412), (115, 4436), (146, 4595), (186, 4760),

Gene: AvatarAhPeg_14 Start: 10907, Stop: 11419, Start Num: 72
Candidate Starts for AvatarAhPeg_14:
(Start: 53 @10874 has 19 MA's), (Start: 72 @10907 has 557 MA's), (114, 11018), (169, 11240), (178, 11306),

Gene: Avle17_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Avle17_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Awesomesauce_6 Start: 4411, Stop: 4947, Start Num: 67
Candidate Starts for Awesomesauce_6:
(Start: 67 @4411 has 127 MA's), (134, 4633), (154, 4702), (156, 4711), (164, 4729), (179, 4813), (207, 4930),

Gene: Ayanochan_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Ayanochan_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: B1_12 Start: 10184, Stop: 10708, Start Num: 72
Candidate Starts for B1_12:
(Start: 53 @10148 has 19 MA's), (Start: 72 @10184 has 557 MA's), (129, 10361), (153, 10469), (166, 10508),

Gene: BABullseye_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for BABullseye_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: BEEST_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for BEEST_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: BENtherdunthat_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for BENtherdunthat_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: BGlluviae_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for BGlluviae_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Baby16_14 Start: 10948, Stop: 11460, Start Num: 72
Candidate Starts for Baby16_14:
(Start: 72 @10948 has 557 MA's), (114, 11059), (178, 11347),

Gene: BabyBack_17 Start: 13261, Stop: 13785, Start Num: 72
Candidate Starts for BabyBack_17:
(Start: 72 @13261 has 557 MA's), (103, 13327), (121, 13399), (157, 13558), (172, 13630),

Gene: BabyJohn_13 Start: 10767, Stop: 11291, Start Num: 72
Candidate Starts for BabyJohn_13:
(Start: 72 @10767 has 557 MA's), (129, 10944), (153, 11052), (166, 11091),

Gene: BabyRay_14 Start: 10770, Stop: 11294, Start Num: 72
Candidate Starts for BabyRay_14:
(Start: 72 @10770 has 557 MA's), (129, 10944), (153, 11052), (166, 11091), (203, 11265),

Gene: Bachome_15 Start: 12149, Stop: 12670, Start Num: 72
Candidate Starts for Bachome_15:
(59, 12128), (Start: 72 @12149 has 557 MA's), (91, 12191), (95, 12200), (114, 12263), (157, 12449),

Gene: Backyardigan_14 Start: 10955, Stop: 11470, Start Num: 72
Candidate Starts for Backyardigan_14:
(6, 10664), (13, 10715), (17, 10751), (18, 10754), (Start: 53 @10922 has 19 MA's), (Start: 72 @10955 has 557 MA's), (178, 11357),

Gene: Bactobuster_16 Start: 13356, Stop: 13865, Start Num: 72
Candidate Starts for Bactobuster_16:
(Start: 72 @13356 has 557 MA's), (129, 13524), (157, 13644), (166, 13671), (190, 13809),

Gene: Badger_14 Start: 10944, Stop: 11459, Start Num: 72
Candidate Starts for Badger_14:
(6, 10653), (13, 10704), (17, 10740), (18, 10743), (Start: 53 @10911 has 19 MA's), (Start: 72 @10944 has 557 MA's), (178, 11346),

Gene: Baehexic_16 Start: 12120, Stop: 12644, Start Num: 72
Candidate Starts for Baehexic_16:

(Start: 53 @12084 has 19 MA's), (59, 12099), (Start: 72 @12120 has 557 MA's), (145, 12381), (190, 12585), (197, 12618),

Gene: BaghaKamala_12 Start: 7289, Stop: 7825, Start Num: 66
Candidate Starts for BaghaKamala_12:
(Start: 66 @7289 has 101 MA's), (122, 7418), (164, 7586), (199, 7781), (206, 7799), (207, 7808),

Gene: BaileyBlu_5 Start: 4160, Stop: 4618, Start Num: 94
Candidate Starts for BaileyBlu_5:
(Start: 94 @4160 has 2 MA's), (185, 4547),

Gene: BananenDer11_10 Start: 7478, Stop: 7987, Start Num: 83
Candidate Starts for BananenDer11_10:
(Start: 40 @7358 has 4 MA's), (Start: 53 @7397 has 19 MA's), (Start: 74 @7442 has 13 MA's), (Start: 79 @7463 has 8 MA's), (Start: 83 @7478 has 13 MA's), (90, 7490), (164, 7763),

Gene: BangNhom_13 Start: 10917, Stop: 11429, Start Num: 72
Candidate Starts for BangNhom_13:
(Start: 53 @10884 has 19 MA's), (Start: 72 @10917 has 557 MA's), (114, 11028), (169, 11250), (178, 11316),

Gene: Baoshan_6 Start: 5250, Stop: 5855, Start Num: 69
Candidate Starts for Baoshan_6:
(Start: 69 @5250 has 12 MA's), (115, 5391), (153, 5574), (159, 5595), (169, 5625), (176, 5682), (192, 5763), (204, 5802),

Gene: BarrelRoll_12 Start: 7307, Stop: 7849, Start Num: 66
Candidate Starts for BarrelRoll_12:
(Start: 66 @7307 has 101 MA's), (122, 7442), (164, 7610), (199, 7805), (206, 7823), (207, 7832),

Gene: Bartimeaus_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Bartimeaus_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Battleship_18 Start: 10868, Stop: 11377, Start Num: 72
Candidate Starts for Battleship_18:
(Start: 72 @10868 has 557 MA's),

Gene: Beakin_6 Start: 4411, Stop: 4947, Start Num: 67
Candidate Starts for Beakin_6:
(Start: 67 @4411 has 127 MA's), (134, 4633), (154, 4702), (156, 4711), (179, 4813), (207, 4930),

Gene: Beanstalk_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Beanstalk_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Beauxregard13_16 Start: 10982, Stop: 11506, Start Num: 61
Candidate Starts for Beauxregard13_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Beemo_16 Start: 12301, Stop: 12834, Start Num: 72
Candidate Starts for Beemo_16:

(Start: 72 @12301 has 557 MA's), (95, 12349), (124, 12463), (157, 12604), (162, 12619), (166, 12631), (197, 12799), (198, 12802),

Gene: Beezoo_12 Start: 7339, Stop: 7875, Start Num: 66
Candidate Starts for Beezoo_12:
(Start: 66 @7339 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: Belenaria_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Belenaria_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Bella96_12 Start: 7242, Stop: 7784, Start Num: 66
Candidate Starts for Bella96_12:
(Start: 66 @7242 has 101 MA's), (122, 7377), (164, 7545), (199, 7740), (206, 7758), (207, 7767),

Gene: Belladonna_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Belladonna_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Bellis_8 Start: 5538, Stop: 6137, Start Num: 69
Candidate Starts for Bellis_8:
(Start: 69 @5538 has 12 MA's), (128, 5724), (143, 5799), (145, 5820), (174, 5946), (192, 6036),

Gene: Bellris_14 Start: 10342, Stop: 10866, Start Num: 72
Candidate Starts for Bellris_14:
(Start: 72 @10342 has 557 MA's), (103, 10405), (111, 10441), (197, 10831), (198, 10834),

Gene: BellusTerra_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for BellusTerra_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Benedict_12 Start: 10091, Stop: 10603, Start Num: 72
Candidate Starts for Benedict_12:
(Start: 53 @10058 has 19 MA's), (Start: 72 @10091 has 557 MA's), (111, 10184), (153, 10379), (162, 10406), (174, 10475), (183, 10508), (196, 10574),

Gene: BengiVuitton_16 Start: 12045, Stop: 12557, Start Num: 72
Candidate Starts for BengiVuitton_16:
(Start: 53 @12009 has 19 MA's), (Start: 61 @12024 has 20 MA's), (Start: 72 @12045 has 557 MA's), (107, 12123), (157, 12336), (176, 12426), (190, 12498),

Gene: BennyP_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for BennyP_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: Benvolio_15 Start: 11720, Stop: 12232, Start Num: 72
Candidate Starts for Benvolio_15:
(Start: 53 @11684 has 19 MA's), (Start: 61 @11699 has 20 MA's), (Start: 72 @11720 has 557 MA's), (157, 12008), (166, 12035), (190, 12173),

Gene: Bern_12 Start: 7282, Stop: 7815, Start Num: 66
Candidate Starts for Bern_12:
(Start: 66 @7282 has 101 MA's), (122, 7411), (164, 7579), (206, 7789), (207, 7798),

Gene: BiancaTri92_17 Start: 13398, Stop: 13916, Start Num: 72
Candidate Starts for BiancaTri92_17:
(Start: 53 @13362 has 19 MA's), (Start: 61 @13377 has 20 MA's), (Start: 72 @13398 has 557 MA's), (157, 13695), (166, 13722), (190, 13857),

Gene: BigPhil_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for BigPhil_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Bigflo_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Bigflo_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Biglebops_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Biglebops_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: BillKnuckles_15 Start: 11758, Stop: 12255, Start Num: 72
Candidate Starts for BillKnuckles_15:
(Start: 72 @11758 has 557 MA's), (140, 11974), (144, 11986), (169, 12076), (184, 12163), (191, 12205), (194, 12223),

Gene: Blackmoor_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Blackmoor_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Blarby_7 Start: 4831, Stop: 5379, Start Num: 73
Candidate Starts for Blarby_7:
(1, 4405), (2, 4408), (8, 4540), (19, 4615), (24, 4651), (30, 4714), (Start: 73 @4831 has 10 MA's), (108, 4936), (115, 4960), (146, 5119), (186, 5284),

Gene: BlessJoy_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for BlessJoy_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Blinn1_18 Start: 11710, Stop: 12240, Start Num: 72
Candidate Starts for Blinn1_18:
(Start: 72 @11710 has 557 MA's), (121, 11854), (140, 11947), (144, 11959), (172, 12085),

Gene: Blizzard_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Blizzard_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Blue7_18 Start: 11655, Stop: 12176, Start Num: 72
Candidate Starts for Blue7_18:
(31, 11559), (Start: 72 @11655 has 557 MA's), (95, 11703), (121, 11790), (144, 11895), (172, 12021),

Gene: BlueBird_15 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for BlueBird_15:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Bluefalcon_11 Start: 10341, Stop: 10850, Start Num: 72
Candidate Starts for Bluefalcon_11:
(Start: 72 @10341 has 557 MA's), (111, 10431), (144, 10584), (153, 10626), (162, 10653), (174, 10722),

Gene: BobSwaget_18 Start: 13290, Stop: 13799, Start Num: 72
Candidate Starts for BobSwaget_18:
(Start: 72 @13290 has 557 MA's), (107, 13371), (121, 13425), (157, 13584), (162, 13599), (190, 13743),

Gene: BobbyDazzler_11 Start: 7274, Stop: 7759, Start Num: 99
Candidate Starts for BobbyDazzler_11:
(38, 7112), (Start: 99 @7274 has 36 MA's), (147, 7505), (168, 7571), (176, 7628),

Gene: Bobi_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Bobi_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Bobquesha_13 Start: 8298, Stop: 8870, Start Num: 67
Candidate Starts for Bobquesha_13:
(Start: 67 @8298 has 127 MA's), (149, 8586), (164, 8631),

Gene: BogosyJay_16 Start: 12052, Stop: 12585, Start Num: 72
Candidate Starts for BogosyJay_16:
(Start: 72 @12052 has 557 MA's), (95, 12100), (124, 12214), (157, 12355), (162, 12370), (166, 12382), (197, 12550), (198, 12553),

Gene: Boiiii_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Boiiii_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Boilgate_9 Start: 7303, Stop: 7857, Start Num: 67
Candidate Starts for Boilgate_9:
(Start: 67 @7303 has 127 MA's), (106, 7414), (128, 7501), (134, 7534), (149, 7591), (164, 7630), (166, 7636), (206, 7831),

Gene: Bombshell_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Bombshell_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Bonamassa_12 Start: 10263, Stop: 10772, Start Num: 72
Candidate Starts for Bonamassa_12:
(Start: 72 @10263 has 557 MA's), (111, 10353), (144, 10506), (153, 10548), (162, 10575), (169, 10596), (174, 10644),

Gene: Bonanza_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Bonanza_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Boohoo_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for Boohoo_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: Boomer_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Boomer_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: BoostSeason_8 Start: 5333, Stop: 5878, Start Num: 67
Candidate Starts for BoostSeason_8:
(Start: 67 @5333 has 127 MA's), (155, 5636), (164, 5654), (206, 5852),

Gene: BotCity_6 Start: 4325, Stop: 4876, Start Num: 76
Candidate Starts for BotCity_6:
(Start: 76 @4325 has 17 MA's), (102, 4406), (118, 4478), (186, 4784),

Gene: Bowtie_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Bowtie_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Bradman_14 Start: 10524, Stop: 11048, Start Num: 72
Candidate Starts for Bradman_14:
(Start: 52 @10488 has 1 MA's), (59, 10503), (Start: 72 @10524 has 557 MA's), (95, 10575), (121, 10665), (126, 10695), (162, 10839), (169, 10860), (190, 10989), (197, 11022),

Gene: Bradshaw_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Bradshaw_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: BreSam8_16 Start: 10960, Stop: 11499, Start Num: 53
Candidate Starts for BreSam8_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: Brookers_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Brookers_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Broseidon_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Broseidon_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Bruiser_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Bruiser_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Brushbloom_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Brushbloom_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Bryce_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Bryce_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Bryler_11 Start: 6246, Stop: 6824, Start Num: 67
Candidate Starts for Bryler_11:
(Start: 67 @6246 has 127 MA's), (164, 6591), (170, 6630), (207, 6807),

Gene: BubbleTrouble_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for BubbleTrouble_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Buckaroo_13 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for Buckaroo_13:
(Start: 72 @10943 has 557 MA's), (114, 11054), (178, 11342),

Gene: Bud_15 Start: 12158, Stop: 12679, Start Num: 72
Candidate Starts for Bud_15:
(59, 12137), (Start: 72 @12158 has 557 MA's), (95, 12209), (114, 12272), (157, 12458),

Gene: Budski_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for Budski_6:
(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: Bugatti_14 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for Bugatti_14:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Bugsy_17 Start: 12067, Stop: 12594, Start Num: 72
Candidate Starts for Bugsy_17:
(Start: 72 @12067 has 557 MA's), (157, 12367), (162, 12382), (190, 12535), (197, 12568),

Gene: Bumblebee11_14 Start: 10949, Stop: 11461, Start Num: 72
Candidate Starts for Bumblebee11_14:
(Start: 53 @10916 has 19 MA's), (Start: 72 @10949 has 557 MA's), (114, 11060), (137, 11171), (178, 11348),

Gene: Burger_13 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Burger_13:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: BuzzBuzz_15 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for BuzzBuzz_15:
(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: BuzzLyseyear_6 Start: 4407, Stop: 4943, Start Num: 67
Candidate Starts for BuzzLyseyear_6:
(Start: 67 @4407 has 127 MA's), (134, 4629), (154, 4698), (156, 4707), (179, 4809), (207, 4926),

Gene: Bxb1_13 Start: 11127, Stop: 11624, Start Num: 72
Candidate Starts for Bxb1_13:
(Start: 72 @11127 has 557 MA's), (140, 11343), (144, 11355), (169, 11445), (184, 11532), (191, 11574), (194, 11592),

Gene: Bxz2_16 Start: 11097, Stop: 11600, Start Num: 72
Candidate Starts for Bxz2_16:
(Start: 53 @11061 has 19 MA's), (Start: 61 @11076 has 20 MA's), (Start: 72 @11097 has 557 MA's), (130, 11274), (162, 11406), (166, 11418),

Gene: C3_13 Start: 11582, Stop: 12103, Start Num: 72
Candidate Starts for C3_13:
(45, 11534), (Start: 72 @11582 has 557 MA's), (121, 11726), (144, 11831), (157, 11885), (162, 11900), (190, 12044), (197, 12077),

Gene: CRB1_15 Start: 11588, Stop: 12115, Start Num: 72
Candidate Starts for CRB1_15:
(Start: 72 @11588 has 557 MA's), (162, 11903), (190, 12056), (197, 12089),

Gene: CREW_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for CREW_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Caelakin_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Caelakin_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Cain_11 Start: 6234, Stop: 6812, Start Num: 67
Candidate Starts for Cain_11:
(Start: 67 @6234 has 127 MA's), (164, 6579), (170, 6618), (207, 6795),

Gene: Caitlin_12 Start: 9840, Stop: 10346, Start Num: 74
Candidate Starts for Caitlin_12:
(Start: 74 @9840 has 13 MA's), (134, 10032), (145, 10089), (152, 10113), (162, 10146), (169, 10167), (188, 10272),

Gene: CallaLilly_12 Start: 7286, Stop: 7822, Start Num: 66
Candidate Starts for CallaLilly_12:
(Start: 66 @7286 has 101 MA's), (122, 7415), (164, 7583), (199, 7778), (206, 7796), (207, 7805),

Gene: CallinAllBarbz_5 Start: 4163, Stop: 4621, Start Num: 94
Candidate Starts for CallinAllBarbz_5:
(57, 4088), (Start: 94 @4163 has 2 MA's), (174, 4499),

Gene: Calvinny_16 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Calvinny_16:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: Camperdownii_13 Start: 10561, Stop: 11073, Start Num: 72
Candidate Starts for Camperdownii_13:
(Start: 53 @10528 has 19 MA's), (Start: 72 @10561 has 557 MA's), (114, 10672), (157, 10858), (178, 10960),

Gene: Candra_18 Start: 11710, Stop: 12240, Start Num: 72
Candidate Starts for Candra_18:
(Start: 72 @11710 has 557 MA's), (121, 11854), (140, 11947), (144, 11959), (172, 12085),

Gene: Capricorn_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Capricorn_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Caraxes_14 Start: 10281, Stop: 10805, Start Num: 72
Candidate Starts for Caraxes_14:
(Start: 72 @10281 has 557 MA's), (103, 10350), (121, 10422), (126, 10452), (162, 10596), (169, 10617), (190, 10743), (197, 10776), (200, 10785),

Gene: CardboardBox_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for CardboardBox_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: CaseJules_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for CaseJules_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Cat_12 Start: 10389, Stop: 10913, Start Num: 72
Candidate Starts for Cat_12:
(Start: 72 @10389 has 557 MA's), (129, 10563), (153, 10671), (166, 10710), (203, 10884),

Gene: Catalina_16 Start: 12268, Stop: 12801, Start Num: 72
Candidate Starts for Catalina_16:
(Start: 72 @12268 has 557 MA's), (95, 12316), (124, 12430), (157, 12571), (162, 12586), (166, 12598), (197, 12766), (198, 12769),

Gene: Caviar_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Caviar_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Celestialunch_14 Start: 10421, Stop: 10951, Start Num: 72
Candidate Starts for Celestialunch_14:
(Start: 61 @10400 has 20 MA's), (Start: 72 @10421 has 557 MA's), (95, 10472), (166, 10748),

Gene: Centaur_17 Start: 12098, Stop: 12622, Start Num: 72
Candidate Starts for Centaur_17:
(25, 11945), (Start: 53 @12062 has 19 MA's), (59, 12077), (Start: 72 @12098 has 557 MA's), (129, 12278), (157, 12398), (166, 12425), (169, 12434), (190, 12563), (197, 12596), (200, 12605), (203, 12608),

Gene: CentreCat_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for CentreCat_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Cerasum_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Cerasum_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Cerulean_14 Start: 10918, Stop: 11430, Start Num: 72
Candidate Starts for Cerulean_14:
(Start: 53 @10885 has 19 MA's), (Start: 72 @10918 has 557 MA's), (114, 11029), (169, 11251), (178, 11317),

Gene: Chadwick_13 Start: 10059, Stop: 10571, Start Num: 72
Candidate Starts for Chadwick_13:
(Start: 53 @10026 has 19 MA's), (Start: 72 @10059 has 557 MA's), (111, 10152), (153, 10347), (162, 10374), (174, 10443), (183, 10476), (196, 10542),

Gene: ChamoyPickle_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for ChamoyPickle_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: ChampagnePapi_14 Start: 10917, Stop: 11429, Start Num: 72
Candidate Starts for ChampagnePapi_14:
(Start: 53 @10884 has 19 MA's), (Start: 72 @10917 has 557 MA's), (114, 11028), (169, 11250), (178, 11316),

Gene: Chancellor_13 Start: 8544, Stop: 9116, Start Num: 67
Candidate Starts for Chancellor_13:
(Start: 67 @8544 has 127 MA's), (149, 8832), (164, 8877),

Gene: Changeling_18 Start: 13463, Stop: 13987, Start Num: 72
Candidate Starts for Changeling_18:
(Start: 53 @13424 has 19 MA's), (Start: 72 @13463 has 557 MA's), (103, 13532), (129, 13643), (169, 13799), (190, 13928),

Gene: Chaph_14 Start: 10948, Stop: 11460, Start Num: 72
Candidate Starts for Chaph_14:
(Start: 72 @10948 has 557 MA's), (114, 11059), (178, 11347),

Gene: Chargerpower_15 Start: 10766, Stop: 11284, Start Num: 72
Candidate Starts for Chargerpower_15:
(Start: 72 @10766 has 557 MA's), (96, 10820), (121, 10904), (140, 10997), (166, 11090), (190, 11225),

Gene: Charm_15 Start: 10498, Stop: 11028, Start Num: 72
Candidate Starts for Charm_15:
(Start: 61 @10477 has 20 MA's), (Start: 72 @10498 has 557 MA's), (95, 10549), (103, 10567), (140, 10732), (166, 10825),

Gene: Chartreuse_18 Start: 11624, Stop: 12154, Start Num: 72
Candidate Starts for Chartreuse_18:
(Start: 72 @11624 has 557 MA's), (121, 11768), (140, 11861), (144, 11873), (172, 11999),

Gene: Chavito_12 Start: 6370, Stop: 6924, Start Num: 66
Candidate Starts for Chavito_12:
(Start: 66 @6370 has 101 MA's), (122, 6520), (164, 6688), (206, 6898),

Gene: Che12_16 Start: 10378, Stop: 10902, Start Num: 72
Candidate Starts for Che12_16:
(Start: 72 @10378 has 557 MA's), (103, 10447), (121, 10519), (126, 10549), (162, 10693), (169, 10714), (190, 10840), (197, 10873),

Gene: Che9d_6 Start: 4316, Stop: 4864, Start Num: 73
Candidate Starts for Che9d_6:
(2, 3893), (8, 4025), (19, 4100), (24, 4136), (30, 4199), (Start: 73 @4316 has 10 MA's), (108, 4421), (115, 4445), (146, 4604), (186, 4769),

Gene: CheeseTouch_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for CheeseTouch_6:

(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: CheetoDust_12 Start: 7333, Stop: 7875, Start Num: 66
Candidate Starts for CheetoDust_12:
(Start: 66 @7333 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: Cheetobro_13 Start: 8544, Stop: 9116, Start Num: 67
Candidate Starts for Cheetobro_13:
(Start: 67 @8544 has 127 MA's), (149, 8832), (164, 8877),

Gene: ChickenDinner_6 Start: 4412, Stop: 4948, Start Num: 67
Candidate Starts for ChickenDinner_6:
(Start: 67 @4412 has 127 MA's), (134, 4634), (154, 4703), (156, 4712), (164, 4730), (179, 4814), (207, 4931),

Gene: ChipMunk_17 Start: 12018, Stop: 12530, Start Num: 72
Candidate Starts for ChipMunk_17:
(Start: 53 @11982 has 19 MA's), (Start: 61 @11997 has 20 MA's), (Start: 72 @12018 has 557 MA's), (157, 12306), (166, 12333), (169, 12342), (190, 12471), (197, 12504),

Gene: ChipsNGuac_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for ChipsNGuac_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: Chiqui_13 Start: 10767, Stop: 11291, Start Num: 72
Candidate Starts for Chiqui_13:
(Start: 72 @10767 has 557 MA's), (129, 10944), (153, 11052), (166, 11091),

Gene: Chris_11 Start: 6182, Stop: 6724, Start Num: 67
Candidate Starts for Chris_11:
(Start: 67 @6182 has 127 MA's), (199, 6680), (206, 6698), (207, 6707),

Gene: Chupacabra_14 Start: 10702, Stop: 11223, Start Num: 72
Candidate Starts for Chupacabra_14:
(Start: 61 @10681 has 20 MA's), (Start: 72 @10702 has 557 MA's), (180, 11116),

Gene: Cici_14 Start: 10937, Stop: 11452, Start Num: 72
Candidate Starts for Cici_14:
(Start: 53 @10904 has 19 MA's), (Start: 72 @10937 has 557 MA's), (137, 11162), (178, 11339),

Gene: Cindaradix_13 Start: 10649, Stop: 11173, Start Num: 72
Candidate Starts for Cindaradix_13:
(Start: 53 @10616 has 19 MA's), (Start: 72 @10649 has 557 MA's), (104, 10733), (114, 10772), (178, 11060),

Gene: Cintron_14 Start: 10987, Stop: 11499, Start Num: 72
Candidate Starts for Cintron_14:
(Start: 72 @10987 has 557 MA's), (114, 11098), (157, 11284), (178, 11386),

Gene: Citius_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Citius_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Clammy_14 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for Clammy_14:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Clarenza_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Clarenza_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Claus_7 Start: 5430, Stop: 6035, Start Num: 69
Candidate Starts for Claus_7:
(Start: 69 @5430 has 12 MA's), (115, 5571), (153, 5754), (159, 5775), (169, 5805), (176, 5862), (192, 5943), (204, 5982),

Gene: Clipper_12 Start: 7333, Stop: 7875, Start Num: 66
Candidate Starts for Clipper_12:
(Start: 66 @7333 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: CloudWang3_18 Start: 11655, Stop: 12185, Start Num: 72
Candidate Starts for CloudWang3_18:
(Start: 72 @11655 has 557 MA's), (121, 11799), (140, 11892), (144, 11904), (172, 12030),

Gene: ClownCar_16 Start: 11073, Stop: 11576, Start Num: 72
Candidate Starts for ClownCar_16:
(Start: 53 @11037 has 19 MA's), (Start: 61 @11052 has 20 MA's), (Start: 72 @11073 has 557 MA's), (130, 11250), (162, 11382), (166, 11394),

Gene: Coco12_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Coco12_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (164, 4726), (179, 4810), (207, 4927),

Gene: Cocoaberry_14 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for Cocoaberry_14:
(Start: 72 @10943 has 557 MA's), (114, 11054), (178, 11342),

Gene: CogOmlette_13 Start: 10342, Stop: 10866, Start Num: 72
Candidate Starts for CogOmlette_13:
(Start: 72 @10342 has 557 MA's), (103, 10405), (111, 10441), (197, 10831), (198, 10834),

Gene: Colbster_16 Start: 11003, Stop: 11506, Start Num: 72
Candidate Starts for Colbster_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Colin_19 Start: 13279, Stop: 13803, Start Num: 72
Candidate Starts for Colin_19:
(25, 13123), (59, 13258), (Start: 72 @13279 has 557 MA's), (103, 13348), (144, 13525), (190, 13744),

Gene: Collard_10 Start: 7358, Stop: 7987, Start Num: 40
Candidate Starts for Collard_10:
(Start: 40 @7358 has 4 MA's), (Start: 53 @7397 has 19 MA's), (Start: 74 @7442 has 13 MA's), (Start: 79 @7463 has 8 MA's), (Start: 83 @7478 has 13 MA's), (90, 7490), (164, 7763),

Gene: Commander_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Commander_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Connomayer_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Connomayer_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Conquerage_16 Start: 12297, Stop: 12830, Start Num: 72
Candidate Starts for Conquerage_16:
(Start: 72 @12297 has 557 MA's), (95, 12345), (124, 12459), (157, 12600), (162, 12615), (166, 12627), (197, 12795), (198, 12798),

Gene: Conspiracy_12 Start: 10081, Stop: 10590, Start Num: 72
Candidate Starts for Conspiracy_12:
(Start: 72 @10081 has 557 MA's), (111, 10171), (144, 10324), (153, 10366), (162, 10393), (169, 10414), (174, 10462),

Gene: Coog_12 Start: 10231, Stop: 10740, Start Num: 72
Candidate Starts for Coog_12:
(Start: 72 @10231 has 557 MA's), (111, 10321), (144, 10474), (153, 10516), (162, 10543), (169, 10564), (174, 10612),

Gene: Cookiedough_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Cookiedough_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Cornucopia_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Cornucopia_6:
(Start: 67 @4408 has 127 MA's), (154, 4699), (156, 4708), (207, 4927),

Gene: CosmicSans_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for CosmicSans_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: CrimD_12 Start: 7285, Stop: 7827, Start Num: 66
Candidate Starts for CrimD_12:
(Start: 66 @7285 has 101 MA's), (122, 7420), (155, 7564), (164, 7588), (199, 7783), (206, 7801), (207, 7810),

Gene: Croquant_17 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Croquant_17:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Crucio_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for Crucio_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: Cuco_12 Start: 10262, Stop: 10771, Start Num: 72
Candidate Starts for Cuco_12:

(Start: 72 @10262 has 557 MA's), (111, 10352), (144, 10505), (153, 10547), (162, 10574), (169, 10595), (174, 10643),

Gene: Cullens_16 Start: 10965, Stop: 11504, Start Num: 53
Candidate Starts for Cullens_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Curiosium_13 Start: 6689, Stop: 7222, Start Num: 65
Candidate Starts for Curiosium_13:
(Start: 65 @6689 has 2 MA's), (122, 6824), (164, 6992), (206, 7196), (207, 7205),

Gene: D29_16 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for D29_16:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: D32_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for D32_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: DBQu4n_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for DBQu4n_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: DHan_7 Start: 5366, Stop: 5971, Start Num: 69
Candidate Starts for DHan_7:
(Start: 69 @5366 has 12 MA's), (115, 5507), (153, 5690), (159, 5711), (169, 5741), (176, 5798), (192, 5879), (204, 5918),

Gene: DS6A_10 Start: 7559, Stop: 8122, Start Num: 67
Candidate Starts for DS6A_10:
(Start: 67 @7559 has 127 MA's), (139, 7835), (145, 7868), (207, 8105),

Gene: DaHudson_16 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for DaHudson_16:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: DaVinci_18 Start: 11678, Stop: 12208, Start Num: 72
Candidate Starts for DaVinci_18:
(Start: 72 @11678 has 557 MA's), (121, 11822), (140, 11915), (144, 11927), (172, 12053),

Gene: DaWorst_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for DaWorst_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Dadosky_10 Start: 7391, Stop: 7921, Start Num: 83
Candidate Starts for Dadosky_10:

(Start: 74 @7355 has 13 MA's), (Start: 79 @7376 has 8 MA's), (Start: 83 @7391 has 13 MA's), (90, 7403), (164, 7688),

Gene: Daishi_15 Start: 9928, Stop: 10431, Start Num: 72
Candidate Starts for Daishi_15:
(Start: 53 @9892 has 19 MA's), (Start: 61 @9907 has 20 MA's), (Start: 72 @9928 has 557 MA's), (130, 10105), (162, 10237), (166, 10249),

Gene: Dalmatian_15 Start: 11715, Stop: 12227, Start Num: 72
Candidate Starts for Dalmatian_15:
(Start: 53 @11679 has 19 MA's), (Start: 61 @11694 has 20 MA's), (Start: 72 @11715 has 557 MA's), (157, 12003), (166, 12030), (190, 12168),

Gene: Dalmuri_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Dalmuri_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: DanBing_6 Start: 5249, Stop: 5854, Start Num: 69
Candidate Starts for DanBing_6:
(Start: 69 @5249 has 12 MA's), (115, 5390), (153, 5573), (159, 5594), (169, 5624), (176, 5681), (192, 5762), (204, 5801),

Gene: DanSyl44_13 Start: 8547, Stop: 9119, Start Num: 67
Candidate Starts for DanSyl44_13:
(Start: 67 @8547 has 127 MA's), (149, 8835), (164, 8880),

Gene: Danforth_11 Start: 9822, Stop: 10328, Start Num: 74
Candidate Starts for Danforth_11:
(Start: 74 @9822 has 13 MA's), (134, 10014), (145, 10071), (152, 10095), (162, 10128), (169, 10149), (188, 10254),

Gene: Darrell_17 Start: 12486, Stop: 13019, Start Num: 72
Candidate Starts for Darrell_17:
(Start: 72 @12486 has 557 MA's), (95, 12534), (124, 12648), (157, 12789), (162, 12804), (166, 12816), (197, 12984), (198, 12987),

Gene: DartGoblin_12 Start: 7242, Stop: 7784, Start Num: 66
Candidate Starts for DartGoblin_12:
(Start: 66 @7242 has 101 MA's), (122, 7377), (164, 7545), (199, 7740), (206, 7758), (207, 7767),

Gene: DarthP_11 Start: 7198, Stop: 7755, Start Num: 67
Candidate Starts for DarthP_11:
(55, 7180), (Start: 67 @7198 has 127 MA's), (164, 7522), (199, 7711), (206, 7729), (207, 7738),

Gene: DarthPhader_16 Start: 12456, Stop: 12989, Start Num: 72
Candidate Starts for DarthPhader_16:
(Start: 72 @12456 has 557 MA's), (121, 12594), (131, 12639), (157, 12753), (194, 12942),

Gene: Dartin_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for Dartin_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: Datway_14 Start: 10955, Stop: 11470, Start Num: 72

Candidate Starts for Datway_14:
(6, 10664), (13, 10715), (17, 10751), (18, 10754), (Start: 53 @10922 has 19 MA's), (Start: 72 @10955 has 557 MA's), (178, 11357),

Gene: Deano_14 Start: 10947, Stop: 11459, Start Num: 72
Candidate Starts for Deano_14:
(Start: 53 @10914 has 19 MA's), (Start: 72 @10947 has 557 MA's), (114, 11058), (157, 11244), (178, 11346),

Gene: Deby_12 Start: 7293, Stop: 7826, Start Num: 66
Candidate Starts for Deby_12:
(Start: 66 @7293 has 101 MA's), (122, 7422), (206, 7800), (207, 7809),

Gene: DeerParkTS_16 Start: 11664, Stop: 12185, Start Num: 72
Candidate Starts for DeerParkTS_16:
(Start: 72 @11664 has 557 MA's), (157, 11961), (166, 11988), (190, 12126),

Gene: DekHockey33_17 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for DekHockey33_17:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: Deloris_16 Start: 12045, Stop: 12557, Start Num: 72
Candidate Starts for Deloris_16:
(Start: 53 @12009 has 19 MA's), (Start: 61 @12024 has 20 MA's), (Start: 72 @12045 has 557 MA's), (107, 12123), (157, 12336), (176, 12426), (190, 12498),

Gene: DelvinSonDorr_17 Start: 11668, Stop: 12198, Start Num: 72
Candidate Starts for DelvinSonDorr_17:
(Start: 72 @11668 has 557 MA's), (121, 11812), (140, 11905), (144, 11917), (172, 12043),

Gene: Demsculpinboyz_6 Start: 4307, Stop: 4855, Start Num: 73
Candidate Starts for Demsculpinboyz_6:
(8, 4016), (19, 4091), (24, 4127), (30, 4190), (Start: 73 @4307 has 10 MA's), (108, 4412), (115, 4436), (146, 4595), (186, 4760),

Gene: Devera_12 Start: 7321, Stop: 7854, Start Num: 66
Candidate Starts for Devera_12:
(Start: 66 @7321 has 101 MA's), (122, 7447), (164, 7615), (206, 7828), (207, 7837),

Gene: Dhanush_14 Start: 10942, Stop: 11454, Start Num: 72
Candidate Starts for Dhanush_14:
(Start: 72 @10942 has 557 MA's), (114, 11053), (178, 11341),

Gene: Dieselweasel_16 Start: 11004, Stop: 11507, Start Num: 72
Candidate Starts for Dieselweasel_16:
(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: Dignity_17 Start: 12012, Stop: 12539, Start Num: 72
Candidate Starts for Dignity_17:
(Start: 72 @12012 has 557 MA's), (157, 12312), (162, 12327), (190, 12480), (197, 12513),

Gene: Dinger_11 Start: 7199, Stop: 7684, Start Num: 99

Candidate Starts for Dinger_11:
(38, 7037), (Start: 99 @7199 has 36 MA's), (147, 7430), (168, 7496), (176, 7553),

Gene: DirtMcgirt_6 Start: 4410, Stop: 4946, Start Num: 67
Candidate Starts for DirtMcgirt_6:
(Start: 67 @4410 has 127 MA's), (134, 4632), (154, 4701), (156, 4710), (179, 4812), (207, 4929),

Gene: DirtyDunning_14 Start: 10935, Stop: 11447, Start Num: 72
Candidate Starts for DirtyDunning_14:
(Start: 72 @10935 has 557 MA's), (114, 11046), (178, 11334),

Gene: Discoknowium_12 Start: 10371, Stop: 10880, Start Num: 72
Candidate Starts for Discoknowium_12:
(Start: 72 @10371 has 557 MA's), (111, 10461), (144, 10614), (153, 10656), (162, 10683), (174, 10752),

Gene: Dixon_12 Start: 9841, Stop: 10347, Start Num: 74
Candidate Starts for Dixon_12:
(Start: 74 @9841 has 13 MA's), (134, 10033), (145, 10090), (152, 10114), (162, 10147), (169, 10168), (188, 10273),

Gene: DocMcStuffins_6 Start: 4412, Stop: 4948, Start Num: 67
Candidate Starts for DocMcStuffins_6:
(Start: 67 @4412 has 127 MA's), (134, 4634), (154, 4703), (156, 4712), (164, 4730), (179, 4814), (207, 4931),

Gene: Dole_12 Start: 7321, Stop: 7854, Start Num: 66
Candidate Starts for Dole_12:
(Start: 66 @7321 has 101 MA's), (122, 7447), (164, 7615), (206, 7828), (207, 7837),

Gene: DontArgue_13 Start: 8955, Stop: 9476, Start Num: 72
Candidate Starts for DontArgue_13:
(Start: 61 @8934 has 20 MA's), (Start: 72 @8955 has 557 MA's), (105, 9042),

Gene: Doomslug_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Doomslug_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Dorothea_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for Dorothea_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: DosHalletts_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for DosHalletts_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: DoubleChamp_10 Start: 7478, Stop: 7987, Start Num: 83
Candidate Starts for DoubleChamp_10:
(Start: 40 @7358 has 4 MA's), (Start: 53 @7397 has 19 MA's), (Start: 74 @7442 has 13 MA's), (Start: 79 @7463 has 8 MA's), (Start: 83 @7478 has 13 MA's), (90, 7490), (164, 7763),

Gene: Doughnut_8 Start: 5333, Stop: 5878, Start Num: 67
Candidate Starts for Doughnut_8:

(Start: 67 @5333 has 127 MA's), (155, 5636), (164, 5654), (206, 5852),

Gene: DrHayes_12 Start: 7263, Stop: 7805, Start Num: 66
Candidate Starts for DrHayes_12:
(Start: 66 @7263 has 101 MA's), (122, 7398), (164, 7566), (199, 7761), (206, 7779), (207, 7788),

Gene: Drago_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Drago_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Drake55_17 Start: 12116, Stop: 12640, Start Num: 72
Candidate Starts for Drake55_17:
(Start: 53 @12080 has 19 MA's), (59, 12095), (Start: 72 @12116 has 557 MA's), (145, 12377), (157, 12416), (190, 12581), (197, 12614),

Gene: Drake94_13 Start: 8806, Stop: 9327, Start Num: 72
Candidate Starts for Drake94_13:
(Start: 61 @8785 has 20 MA's), (Start: 72 @8806 has 557 MA's), (129, 8992), (140, 9046),

Gene: DreamTeam1_15 Start: 10498, Stop: 11028, Start Num: 72
Candidate Starts for DreamTeam1_15:
(Start: 61 @10477 has 20 MA's), (Start: 72 @10498 has 557 MA's), (95, 10549), (103, 10567), (140, 10732), (166, 10825),

Gene: DroogsArmy_15 Start: 12278, Stop: 12781, Start Num: 72
Candidate Starts for DroogsArmy_15:
(Start: 72 @12278 has 557 MA's), (107, 12350), (129, 12443), (166, 12590), (176, 12653), (193, 12746), (194, 12749), (196, 12755),

Gene: DropBear_14 Start: 10606, Stop: 11127, Start Num: 72
Candidate Starts for DropBear_14:
(Start: 72 @10606 has 557 MA's), (129, 10780), (153, 10888), (166, 10927), (203, 11098),

Gene: Druantia_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Druantia_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Dublin_11 Start: 10230, Stop: 10739, Start Num: 72
Candidate Starts for Dublin_11:
(Start: 72 @10230 has 557 MA's), (111, 10320), (144, 10473), (153, 10515), (162, 10542), (169, 10563), (174, 10611),

Gene: DudeLittle_15 Start: 11717, Stop: 12229, Start Num: 72
Candidate Starts for DudeLittle_15:
(Start: 53 @11681 has 19 MA's), (Start: 61 @11696 has 20 MA's), (Start: 72 @11717 has 557 MA's), (157, 12005), (166, 12032), (190, 12170),

Gene: Duplo_18 Start: 11566, Stop: 12087, Start Num: 72
Candidate Starts for Duplo_18:
(Start: 53 @11530 has 19 MA's), (Start: 61 @11545 has 20 MA's), (Start: 72 @11566 has 557 MA's), (95, 11617), (162, 11881), (169, 11902), (197, 12061),

Gene: Durfee_12 Start: 7357, Stop: 7899, Start Num: 66

Candidate Starts for Durfee_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: DustyMartin_17 Start: 10772, Stop: 11293, Start Num: 72
Candidate Starts for DustyMartin_17:
(Start: 61 @10751 has 20 MA's), (Start: 72 @10772 has 557 MA's), (105, 10859),

Gene: DyoEdafos_8 Start: 5282, Stop: 5893, Start Num: 69
Candidate Starts for DyoEdafos_8:
(Start: 69 @5282 has 12 MA's), (159, 5621), (192, 5795), (206, 5840), (208, 5885),

Gene: EZMoney23_19 Start: 13587, Stop: 14105, Start Num: 72
Candidate Starts for EZMoney23_19:
(Start: 72 @13587 has 557 MA's), (96, 13638), (166, 13908), (190, 14046),

Gene: Eagle_13 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Eagle_13:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: EagleEye_17 Start: 11847, Stop: 12374, Start Num: 72
Candidate Starts for EagleEye_17:
(15, 11625), (Start: 72 @11847 has 557 MA's), (166, 12168), (171, 12204),

Gene: Eaglepride_15 Start: 10702, Stop: 11223, Start Num: 72
Candidate Starts for Eaglepride_15:
(Start: 61 @10681 has 20 MA's), (Start: 72 @10702 has 557 MA's), (180, 11116),

Gene: Eapen_14 Start: 10941, Stop: 11453, Start Num: 72
Candidate Starts for Eapen_14:
(Start: 72 @10941 has 557 MA's), (114, 11052), (178, 11340),

Gene: Ebony_15 Start: 12210, Stop: 12731, Start Num: 72
Candidate Starts for Ebony_15:
(59, 12189), (Start: 72 @12210 has 557 MA's), (95, 12261), (114, 12324), (157, 12510),

Gene: Echild_15 Start: 11720, Stop: 12232, Start Num: 72
Candidate Starts for Echild_15:
(Start: 53 @11684 has 19 MA's), (Start: 61 @11699 has 20 MA's), (Start: 72 @11720 has 557 MA's), (157, 12008), (166, 12035), (190, 12173),

Gene: Ecliptus_6 Start: 4342, Stop: 4902, Start Num: 73
Candidate Starts for Ecliptus_6:
(Start: 73 @4342 has 10 MA's), (115, 4483), (178, 4768), (186, 4807),

Gene: Edison31_14 Start: 10731, Stop: 11252, Start Num: 72
Candidate Starts for Edison31_14:
(Start: 61 @10710 has 20 MA's), (Start: 72 @10731 has 557 MA's), (105, 10818),

Gene: EdogawaKiddo_14 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for EdogawaKiddo_14:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Edugator_9 Start: 7391, Stop: 7921, Start Num: 83
Candidate Starts for Edugator_9:
(Start: 74 @7355 has 13 MA's), (Start: 79 @7376 has 8 MA's), (Start: 83 @7391 has 13 MA's), (90, 7403), (164, 7688),

Gene: Efra2_12 Start: 6263, Stop: 6796, Start Num: 66
Candidate Starts for Efra2_12:
(Start: 61 @6257 has 20 MA's), (Start: 66 @6263 has 101 MA's), (122, 6392), (164, 6560), (206, 6770), (207, 6779),

Gene: Eidsmoe_16 Start: 12297, Stop: 12830, Start Num: 72
Candidate Starts for Eidsmoe_16:
(Start: 72 @12297 has 557 MA's), (95, 12345), (124, 12459), (157, 12600), (162, 12615), (166, 12627), (197, 12795), (198, 12798),

Gene: Ekdilam_9 Start: 6928, Stop: 7482, Start Num: 67
Candidate Starts for Ekdilam_9:
(Start: 67 @6928 has 127 MA's), (164, 7249), (199, 7438), (206, 7456), (207, 7465),

Gene: ElTiger69_12 Start: 10089, Stop: 10601, Start Num: 72
Candidate Starts for ElTiger69_12:
(Start: 53 @10056 has 19 MA's), (Start: 72 @10089 has 557 MA's), (111, 10182), (153, 10377), (162, 10404), (174, 10473), (183, 10506), (196, 10572),

Gene: Elephantoon_16 Start: 11916, Stop: 12449, Start Num: 72
Candidate Starts for Elephantoon_16:
(Start: 72 @11916 has 557 MA's), (95, 11964), (124, 12078), (157, 12219), (162, 12234), (166, 12246), (197, 12414), (198, 12417),

Gene: Elfy_5 Start: 4192, Stop: 4650, Start Num: 86
Candidate Starts for Elfy_5:
(Start: 86 @4192 has 2 MA's), (149, 4444), (169, 4495),

Gene: Elle_15 Start: 10473, Stop: 10982, Start Num: 72
Candidate Starts for Elle_15:
(Start: 72 @10473 has 557 MA's), (95, 10515), (133, 10665), (166, 10791), (205, 10974),

Gene: Ellie_9 Start: 7015, Stop: 7581, Start Num: 67
Candidate Starts for Ellie_9:
(Start: 67 @7015 has 127 MA's), (164, 7348), (206, 7555), (207, 7564),

Gene: Emerson_12 Start: 7316, Stop: 7858, Start Num: 66
Candidate Starts for Emerson_12:
(Start: 66 @7316 has 101 MA's), (122, 7451), (164, 7619), (199, 7814), (206, 7832), (207, 7841),

Gene: Emmaloid_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Emmaloid_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: EmyBug_16 Start: 12297, Stop: 12830, Start Num: 72
Candidate Starts for EmyBug_16:

(Start: 72 @12297 has 557 MA's), (95, 12345), (124, 12459), (157, 12600), (162, 12615), (166, 12627), (197, 12795), (198, 12798),

Gene: Enby_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Enby_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Enkosi_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Enkosi_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: EpicPhail_16 Start: 11003, Stop: 11506, Start Num: 72
Candidate Starts for EpicPhail_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Eponine_13 Start: 8420, Stop: 8992, Start Num: 67
Candidate Starts for Eponine_13:
(21, 8240), (Start: 67 @8420 has 127 MA's), (149, 8708), (164, 8753),

Gene: Epsocamisio_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for Epsocamisio_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: Equemioh13_17 Start: 12101, Stop: 12625, Start Num: 72
Candidate Starts for Equemioh13_17:
(25, 11948), (Start: 53 @12065 has 19 MA's), (59, 12080), (Start: 72 @12101 has 557 MA's), (129, 12281), (157, 12401), (166, 12428), (190, 12566), (197, 12599), (200, 12608), (203, 12611),

Gene: EricB_18 Start: 11668, Stop: 12198, Start Num: 72
Candidate Starts for EricB_18:
(Start: 72 @11668 has 557 MA's), (121, 11812), (140, 11905), (144, 11917), (172, 12043),

Gene: Erik_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Erik_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Eris_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Eris_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Eros_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Eros_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Espica_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Espica_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Et2Brutus_14 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Et2Brutus_14:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: EtoileNova_15 Start: 11096, Stop: 11605, Start Num: 72
Candidate Starts for EtoileNova_15:
(31, 10991), (Start: 72 @11096 has 557 MA's), (153, 11378), (166, 11417), (196, 11576),

Gene: Eurydice_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Eurydice_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: EvilGenius_17 Start: 12028, Stop: 12540, Start Num: 72
Candidate Starts for EvilGenius_17:
(Start: 53 @11992 has 19 MA's), (Start: 61 @12007 has 20 MA's), (Start: 72 @12028 has 557 MA's), (157, 12316), (166, 12343), (169, 12352), (190, 12481), (197, 12514),

Gene: Expelliarmus_11 Start: 9808, Stop: 10314, Start Num: 74
Candidate Starts for Expelliarmus_11:
(Start: 74 @9808 has 13 MA's), (134, 10000), (145, 10057), (152, 10081), (162, 10114), (169, 10135), (188, 10240),

Gene: ExplosioNervosa_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for ExplosioNervosa_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: Ezurina_6 Start: 4583, Stop: 5089, Start Num: 70
Candidate Starts for Ezurina_6:
(Start: 70 @4583 has 11 MA's), (129, 4769), (154, 4862), (160, 4880),

Gene: FF47_08 Start: 5790, Stop: 6386, Start Num: 54
Candidate Starts for FF47_08:
(Start: 54 @5790 has 2 MA's), (100, 5913), (147, 6132), (159, 6171),

Gene: Fameo_15 Start: 11633, Stop: 12145, Start Num: 72
Candidate Starts for Fameo_15:
(Start: 53 @11597 has 19 MA's), (Start: 61 @11612 has 20 MA's), (Start: 72 @11633 has 557 MA's), (157, 11921), (166, 11948), (190, 12086),

Gene: Farber_16 Start: 10996, Stop: 11499, Start Num: 72
Candidate Starts for Farber_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: FatCactus_13 Start: 9769, Stop: 10290, Start Num: 72
Candidate Starts for FatCactus_13:
(Start: 72 @9769 has 557 MA's), (89, 9811), (95, 9820), (121, 9910), (126, 9940), (197, 10261),

Gene: Fayely_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Fayely_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: Fefferhead_11 Start: 7185, Stop: 7748, Start Num: 67
Candidate Starts for Fefferhead_11:
(Start: 67 @7185 has 127 MA's), (164, 7515), (206, 7722), (207, 7731),

Gene: Fernando_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Fernando_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Feyre_10 Start: 7278, Stop: 7802, Start Num: 79
Candidate Starts for Feyre_10:
(Start: 40 @7173 has 4 MA's), (Start: 53 @7212 has 19 MA's), (Start: 74 @7257 has 13 MA's), (Start: 79 @7278 has 8 MA's), (Start: 83 @7293 has 13 MA's), (90, 7305), (164, 7578),

Gene: Fibonacci_15 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Fibonacci_15:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: Finnry_8 Start: 5539, Stop: 6138, Start Num: 69
Candidate Starts for Finnry_8:
(Start: 69 @5539 has 12 MA's), (128, 5725), (143, 5800), (145, 5821), (174, 5947), (192, 6037),

Gene: Fionnbharth_13 Start: 8534, Stop: 9106, Start Num: 67
Candidate Starts for Fionnbharth_13:
(Start: 67 @8534 has 127 MA's), (149, 8822), (164, 8867),

Gene: FiringLine_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for FiringLine_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: First_0015 Start: 11599, Stop: 12150, Start Num: 53
Candidate Starts for First_0015:
(Start: 53 @11599 has 19 MA's), (Start: 61 @11614 has 20 MA's), (Start: 72 @11635 has 557 MA's), (107, 11713), (157, 11926), (166, 11953), (190, 12091),

Gene: Flare16_15 Start: 11659, Stop: 12183, Start Num: 72
Candidate Starts for Flare16_15:
(25, 11506), (Start: 53 @11623 has 19 MA's), (59, 11638), (Start: 72 @11659 has 557 MA's), (129, 11839), (157, 11959), (166, 11986), (190, 12124), (197, 12157), (200, 12166), (203, 12169),

Gene: Flathead_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Flathead_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Flaverint_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Flaverint_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Florean_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Florean_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Florence1_12 Start: 10051, Stop: 10560, Start Num: 72
Candidate Starts for Florence1_12:

(Start: 72 @10051 has 557 MA's), (111, 10141), (153, 10336), (162, 10363), (169, 10384), (174, 10432),

Gene: Florence4_13 Start: 10051, Stop: 10560, Start Num: 72
Candidate Starts for Florence4_13:
(Start: 72 @10051 has 557 MA's), (111, 10141), (153, 10336), (162, 10363), (169, 10384), (174, 10432),

Gene: Flux_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Flux_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: FlyCatcher_18 Start: 12563, Stop: 13072, Start Num: 72
Candidate Starts for FlyCatcher_18:
(48, 12518), (Start: 61 @12542 has 20 MA's), (Start: 72 @12563 has 557 MA's), (144, 12803), (165, 12881), (166, 12884), (176, 12947), (177, 12950),

Gene: ForGetIt_12 Start: 10107, Stop: 10616, Start Num: 72
Candidate Starts for ForGetIt_12:
(Start: 72 @10107 has 557 MA's), (111, 10197), (144, 10350), (153, 10392), (162, 10419), (169, 10440), (174, 10488),

Gene: ForesterFrank_16 Start: 13134, Stop: 13652, Start Num: 72
Candidate Starts for ForesterFrank_16:
(Start: 53 @13098 has 19 MA's), (59, 13113), (Start: 72 @13134 has 557 MA's), (103, 13203), (163, 13452), (190, 13596),

Gene: Frankie_6 Start: 4602, Stop: 5138, Start Num: 67
Candidate Starts for Frankie_6:
(Start: 67 @4602 has 127 MA's), (134, 4824), (154, 4893), (156, 4902), (179, 5004), (207, 5121),

Gene: Fred313_14 Start: 10249, Stop: 10773, Start Num: 72
Candidate Starts for Fred313_14:
(Start: 72 @10249 has 557 MA's), (129, 10426), (153, 10534), (166, 10573),

Gene: Frickyeah_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Frickyeah_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Fryberger_38 Start: 13725, Stop: 14291, Start Num: 79
Candidate Starts for Fryberger_38:
(36, 13608), (Start: 79 @13725 has 8 MA's), (112, 13833), (158, 14055), (170, 14115), (191, 14226),

Gene: Funston_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Funston_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Gadost_14 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for Gadost_14:
(Start: 72 @10943 has 557 MA's), (114, 11054), (178, 11342),

Gene: Gail_14 Start: 10686, Stop: 11198, Start Num: 72
Candidate Starts for Gail_14:

(Start: 72 @10686 has 557 MA's), (140, 10914), (176, 11070), (190, 11142),

Gene: Ganymede_12 Start: 7333, Stop: 7875, Start Num: 66
Candidate Starts for Ganymede_12:
(Start: 66 @7333 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: Garak_19 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Garak_19:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: GaugeLDP_17 Start: 12926, Stop: 13450, Start Num: 72
Candidate Starts for GaugeLDP_17:
(Start: 72 @12926 has 557 MA's), (103, 12992), (121, 13064), (157, 13223), (172, 13295),

Gene: Gemma_16 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Gemma_16:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: Gengar_10 Start: 7279, Stop: 7908, Start Num: 40
Candidate Starts for Gengar_10:
(Start: 40 @7279 has 4 MA's), (Start: 53 @7318 has 19 MA's), (Start: 74 @7363 has 13 MA's), (Start: 79 @7384 has 8 MA's), (Start: 83 @7399 has 13 MA's), (90, 7411), (164, 7684),

Gene: George_11 Start: 10263, Stop: 10772, Start Num: 72
Candidate Starts for George_11:
(Start: 72 @10263 has 557 MA's), (111, 10353), (144, 10506), (153, 10548), (162, 10575), (169, 10596), (174, 10644),

Gene: Georgie2_16 Start: 11566, Stop: 12078, Start Num: 72
Candidate Starts for Georgie2_16:
(Start: 53 @11530 has 19 MA's), (Start: 61 @11545 has 20 MA's), (Start: 72 @11566 has 557 MA's), (157, 11854), (166, 11881), (190, 12019),

Gene: Geraldini_12 Start: 7339, Stop: 7875, Start Num: 66
Candidate Starts for Geraldini_12:
(Start: 66 @7339 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: Gerri43_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for Gerri43_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: Getalong_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Getalong_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Ghoulboy_12 Start: 10340, Stop: 10849, Start Num: 72
Candidate Starts for Ghoulboy_12:
(Start: 72 @10340 has 557 MA's), (111, 10430), (144, 10583), (153, 10625), (162, 10652), (174, 10721),

Gene: Gilberta_15 Start: 12149, Stop: 12670, Start Num: 72

Candidate Starts for Gilberta_15:
(59, 12128), (Start: 72 @12149 has 557 MA's), (95, 12200), (114, 12263), (157, 12449),

Gene: GingkoMaracino_16 Start: 10889, Stop: 11392, Start Num: 72
Candidate Starts for GingkoMaracino_16:
(Start: 53 @10853 has 19 MA's), (Start: 61 @10868 has 20 MA's), (Start: 72 @10889 has 557 MA's), (130, 11066), (162, 11198), (166, 11210),

Gene: Girafales_6 Start: 4403, Stop: 4939, Start Num: 67
Candidate Starts for Girafales_6:
(Start: 67 @4403 has 127 MA's), (154, 4694), (156, 4703), (207, 4922),

Gene: Giroux_15 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for Giroux_15:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Gladiator_18 Start: 11655, Stop: 12176, Start Num: 72
Candidate Starts for Gladiator_18:
(31, 11559), (Start: 72 @11655 has 557 MA's), (95, 11703), (121, 11790), (144, 11895), (172, 12021),

Gene: Gollum_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Gollum_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Goose_14 Start: 10703, Stop: 11224, Start Num: 72
Candidate Starts for Goose_14:
(Start: 61 @10682 has 20 MA's), (Start: 72 @10703 has 557 MA's), (180, 11117),

Gene: Goose1D_14 Start: 9796, Stop: 10320, Start Num: 72
Candidate Starts for Goose1D_14:
(Start: 72 @9796 has 557 MA's), (129, 9973), (153, 10081), (166, 10120),

Gene: Goose1X_14 Start: 9868, Stop: 10392, Start Num: 72
Candidate Starts for Goose1X_14:
(Start: 72 @9868 has 557 MA's), (129, 10045), (153, 10153), (166, 10192),

Gene: Gratitude_16 Start: 12101, Stop: 12625, Start Num: 72
Candidate Starts for Gratitude_16:
(25, 11948), (Start: 53 @12065 has 19 MA's), (59, 12080), (Start: 72 @12101 has 557 MA's), (129, 12281), (157, 12401), (166, 12428), (190, 12566), (197, 12599), (200, 12608), (203, 12611),

Gene: GreedyLawyer_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for GreedyLawyer_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: Grif_16 Start: 11086, Stop: 11589, Start Num: 72
Candidate Starts for Grif_16:
(Start: 53 @11050 has 19 MA's), (Start: 61 @11065 has 20 MA's), (Start: 72 @11086 has 557 MA's), (130, 11263), (162, 11395), (166, 11407),

Gene: GrimEater_5 Start: 4179, Stop: 4631, Start Num: 97
Candidate Starts for GrimEater_5:
(Start: 97 @4179 has 2 MA's), (151, 4410),

Gene: Groundhog_11 Start: 9809, Stop: 10315, Start Num: 74
Candidate Starts for Groundhog_11:
(Start: 74 @9809 has 13 MA's), (134, 10001), (145, 10058), (152, 10082), (162, 10115), (169, 10136), (188, 10241),

Gene: Groupthink_17 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Groupthink_17:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: Grub_16 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for Grub_16:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: Grum1_16 Start: 10960, Stop: 11499, Start Num: 53
Candidate Starts for Grum1_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: Gruunaga_18 Start: 11655, Stop: 12176, Start Num: 72
Candidate Starts for Gruunaga_18:
(31, 11559), (Start: 72 @11655 has 557 MA's), (95, 11703), (121, 11790), (144, 11895), (172, 12021),

Gene: GtownJaz_16 Start: 11004, Stop: 11507, Start Num: 72
Candidate Starts for GtownJaz_16:
(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: Guanica15_12 Start: 6279, Stop: 6812, Start Num: 66
Candidate Starts for Guanica15_12:
(Start: 61 @6273 has 20 MA's), (Start: 66 @6279 has 101 MA's), (122, 6408), (164, 6576), (206, 6786), (207, 6795),

Gene: Guey18_43 Start: 14918, Stop: 15484, Start Num: 79
Candidate Starts for Guey18_43:
(36, 14801), (Start: 79 @14918 has 8 MA's), (112, 15026), (158, 15248), (170, 15308), (191, 15419),

Gene: Guillsminger_10 Start: 7293, Stop: 7883, Start Num: 53
Candidate Starts for Guillsminger_10:
(Start: 40 @7254 has 4 MA's), (Start: 53 @7293 has 19 MA's), (Start: 74 @7338 has 13 MA's), (Start: 79 @7359 has 8 MA's), (Start: 83 @7374 has 13 MA's), (90, 7386), (164, 7659),

Gene: Gwennie_16 Start: 11003, Stop: 11506, Start Num: 72
Candidate Starts for Gwennie_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: HINdeR_14 Start: 12384, Stop: 12887, Start Num: 72
Candidate Starts for HINdeR_14:
(Start: 72 @12384 has 557 MA's), (107, 12456), (114, 12483), (166, 12696), (172, 12741), (176, 12759), (193, 12852), (194, 12855), (196, 12861),

Gene: HamSlice_13 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for HamSlice_13:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Hammer_18 Start: 11655, Stop: 12176, Start Num: 72
Candidate Starts for Hammer_18:
(31, 11559), (Start: 72 @11655 has 557 MA's), (95, 11703), (121, 11790), (144, 11895), (172, 12021),

Gene: Hammy_11 Start: 7195, Stop: 7752, Start Num: 67
Candidate Starts for Hammy_11:
(55, 7177), (Start: 67 @7195 has 127 MA's), (164, 7519), (199, 7708), (207, 7735),

Gene: Hanray_15 Start: 12303, Stop: 12836, Start Num: 72
Candidate Starts for Hanray_15:
(Start: 72 @12303 has 557 MA's), (95, 12351), (124, 12465), (157, 12606), (162, 12621), (166, 12633), (197, 12801), (198, 12804),

Gene: Happiness_14 Start: 10945, Stop: 11457, Start Num: 72
Candidate Starts for Happiness_14:
(Start: 53 @10912 has 19 MA's), (Start: 72 @10945 has 557 MA's), (114, 11056), (169, 11278), (178, 11344),

Gene: Harlequin_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Harlequin_11:
(Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: HarryHoudini_17 Start: 12116, Stop: 12640, Start Num: 72
Candidate Starts for HarryHoudini_17:
(Start: 53 @12080 has 19 MA's), (59, 12095), (Start: 72 @12116 has 557 MA's), (145, 12377), (190, 12581), (197, 12614),

Gene: HashRod_17 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for HashRod_17:
(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: HaveUMetTed_17 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for HaveUMetTed_17:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (153, 11357), (162, 11384), (166, 11396),

Gene: Heathen_14 Start: 10347, Stop: 10868, Start Num: 72
Candidate Starts for Heathen_14:
(Start: 72 @10347 has 557 MA's), (129, 10521), (153, 10629), (166, 10668), (203, 10839),

Gene: HedwigODU_12 Start: 7313, Stop: 7855, Start Num: 66
Candidate Starts for HedwigODU_12:
(Start: 66 @7313 has 101 MA's), (122, 7448), (164, 7616), (199, 7811), (206, 7829), (207, 7838),

Gene: Heffalump_17 Start: 13435, Stop: 13947, Start Num: 72
Candidate Starts for Heffalump_17:

(Start: 53 @13396 has 19 MA's), (Start: 61 @13414 has 20 MA's), (Start: 72 @13435 has 557 MA's), (157, 13723), (166, 13750), (190, 13888),

Gene: Heftyboy_10 Start: 7501, Stop: 8010, Start Num: 83
Candidate Starts for Heftyboy_10:
(Start: 40 @7381 has 4 MA's), (Start: 53 @7420 has 19 MA's), (Start: 74 @7465 has 13 MA's), (Start: 79 @7486 has 8 MA's), (Start: 83 @7501 has 13 MA's), (90, 7513), (164, 7786),

Gene: Hegedechwinu_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Hegedechwinu_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (156, 4708), (179, 4810), (207, 4927),

Gene: HelDan_14 Start: 10599, Stop: 11120, Start Num: 72
Candidate Starts for HelDan_14:
(Start: 72 @10599 has 557 MA's), (129, 10773), (153, 10881), (166, 10920), (203, 11091),

Gene: Heliosoles_16 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Heliosoles_16:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: Helmet_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Helmet_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: Herbertwm_13 Start: 10459, Stop: 10968, Start Num: 72
Candidate Starts for Herbertwm_13:
(50, 10414), (Start: 72 @10459 has 557 MA's), (126, 10624), (197, 10945), (198, 10948),

Gene: Hercules11_16 Start: 10989, Stop: 11513, Start Num: 61
Candidate Starts for Hercules11_16:
(Start: 53 @10974 has 19 MA's), (Start: 61 @10989 has 20 MA's), (Start: 72 @11010 has 557 MA's), (130, 11187), (162, 11319), (166, 11331),

Gene: Hexamo_18 Start: 11636, Stop: 12157, Start Num: 72
Candidate Starts for Hexamo_18:
(31, 11540), (Start: 72 @11636 has 557 MA's), (95, 11684), (121, 11771), (140, 11864), (144, 11876), (172, 12002),

Gene: HippoHollow_16 Start: 13369, Stop: 13890, Start Num: 72
Candidate Starts for HippoHollow_16:
(Start: 53 @13333 has 19 MA's), (Start: 61 @13348 has 20 MA's), (Start: 72 @13369 has 557 MA's), (157, 13666), (166, 13693), (190, 13831),

Gene: Hiro_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Hiro_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Holex_15 Start: 12303, Stop: 12836, Start Num: 72
Candidate Starts for Holex_15:
(Start: 72 @12303 has 557 MA's), (95, 12351), (124, 12465), (157, 12606), (162, 12621), (166, 12633), (197, 12801), (198, 12804),

Gene: Holli_14 Start: 10732, Stop: 11244, Start Num: 72
Candidate Starts for Holli_14:
(Start: 72 @10732 has 557 MA's), (114, 10843), (178, 11131),

Gene: Holliday_6 Start: 4294, Stop: 4875, Start Num: 58
Candidate Starts for Holliday_6:
(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: Homura_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Homura_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Hookmount_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Hookmount_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Hoot_18 Start: 11656, Stop: 12186, Start Num: 72
Candidate Starts for Hoot_18:
(Start: 72 @11656 has 557 MA's), (121, 11800), (140, 11893), (144, 11905), (172, 12031),

Gene: HortumSL17_16 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for HortumSL17_16:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Horus_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Horus_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Houdini22_14 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for Houdini22_14:
(Start: 72 @10943 has 557 MA's), (114, 11054), (178, 11342),

Gene: HuhtaEnerson15_12 Start: 10263, Stop: 10772, Start Num: 72
Candidate Starts for HuhtaEnerson15_12:
(Start: 72 @10263 has 557 MA's), (111, 10353), (144, 10506), (153, 10548), (162, 10575), (169, 10596), (174, 10644),

Gene: Hum25_5 Start: 4509, Stop: 4997, Start Num: 93
Candidate Starts for Hum25_5:
(78, 4467), (Start: 93 @4509 has 1 MA's), (155, 4782), (161, 4800), (176, 4881), (194, 4962),

Gene: Hurricane_11 Start: 7335, Stop: 7883, Start Num: 82
Candidate Starts for Hurricane_11:
(27, 7140), (Start: 69 @7299 has 12 MA's), (Start: 82 @7335 has 7 MA's), (118, 7461), (134, 7545), (164, 7647), (207, 7866),

Gene: Hutc2_15 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Hutc2_15:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: Huxley_14 Start: 11003, Stop: 11515, Start Num: 72
Candidate Starts for Huxley_14:
(Start: 72 @11003 has 557 MA's), (114, 11114), (178, 11402),

Gene: Hyperbowlee_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Hyperbowlee_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: ICleared_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for ICleared_14:
(6, 10649), (18, 10739), (Start: 72 @10940 has 557 MA's), (114, 11051), (157, 11237), (178, 11339),

Gene: Iceman_14 Start: 10941, Stop: 11453, Start Num: 72
Candidate Starts for Iceman_14:
(Start: 53 @10908 has 19 MA's), (Start: 72 @10941 has 557 MA's), (114, 11052), (157, 11238), (178, 11340),

Gene: Idleandcovert_14 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for Idleandcovert_14:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Illumine_12 Start: 7321, Stop: 7854, Start Num: 66
Candidate Starts for Illumine_12:
(Start: 66 @7321 has 101 MA's), (122, 7447), (164, 7615), (206, 7828), (207, 7837),

Gene: Imbriano_17 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for Imbriano_17:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: Indra_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Indra_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: Inky_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Inky_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Insomnia_15 Start: 12204, Stop: 12725, Start Num: 72
Candidate Starts for Insomnia_15:
(59, 12183), (Start: 72 @12204 has 557 MA's), (95, 12255), (114, 12318), (157, 12504),

Gene: InvictusManeo_10 Start: 7500, Stop: 8030, Start Num: 83
Candidate Starts for InvictusManeo_10:
(33, 7356), (Start: 40 @7377 has 4 MA's), (Start: 74 @7464 has 13 MA's), (Start: 79 @7485 has 8 MA's), (Start: 83 @7500 has 13 MA's), (90, 7512), (164, 7797),

Gene: Iracema64_14 Start: 10917, Stop: 11429, Start Num: 72
Candidate Starts for Iracema64_14:
(6, 10626), (18, 10716), (Start: 53 @10884 has 19 MA's), (Start: 72 @10917 has 557 MA's), (114, 11028), (178, 11316),

Gene: IronMan_17 Start: 13320, Stop: 13829, Start Num: 72

Candidate Starts for IronMan_17:
(Start: 72 @13320 has 557 MA's), (157, 13608), (166, 13635), (190, 13773),

Gene: Isca_14 Start: 10383, Stop: 10943, Start Num: 53
Candidate Starts for Isca_14:
(Start: 53 @10383 has 19 MA's), (Start: 72 @10419 has 557 MA's), (129, 10596), (153, 10704), (166, 10743),

Gene: Isiphiwo_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Isiphiwo_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Iwokeuplikedis_15 Start: 11360, Stop: 11884, Start Num: 72
Candidate Starts for Iwokeuplikedis_15:
(Start: 72 @11360 has 557 MA's), (162, 11675), (194, 11849), (197, 11858),

Gene: JAWS_12 Start: 7310, Stop: 7852, Start Num: 66
Candidate Starts for JAWS_12:
(Start: 66 @7310 has 101 MA's), (122, 7445), (164, 7613), (199, 7808), (206, 7826), (207, 7835),

Gene: JF1_13 Start: 8533, Stop: 9105, Start Num: 67
Candidate Starts for JF1_13:
(Start: 67 @8533 has 127 MA's), (149, 8821), (164, 8866),

Gene: JF2_14 Start: 10184, Stop: 10708, Start Num: 72
Candidate Starts for JF2_14:
(Start: 53 @10148 has 19 MA's), (Start: 72 @10184 has 557 MA's), (129, 10361), (153, 10469), (166, 10508),

Gene: JF4_14 Start: 10184, Stop: 10708, Start Num: 72
Candidate Starts for JF4_14:
(Start: 53 @10148 has 19 MA's), (Start: 72 @10184 has 557 MA's), (129, 10361), (153, 10469), (166, 10508),

Gene: JHC117_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for JHC117_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: JSwag_17 Start: 10739, Stop: 11248, Start Num: 72
Candidate Starts for JSwag_17:
(Start: 72 @10739 has 557 MA's),

Gene: Jaan_18 Start: 13710, Stop: 14219, Start Num: 72
Candidate Starts for Jaan_18:
(Start: 72 @13710 has 557 MA's), (157, 13998), (166, 14025), (190, 14163),

Gene: Jabbawokkie_7 Start: 4830, Stop: 5378, Start Num: 73
Candidate Starts for Jabbawokkie_7:
(2, 4407), (8, 4539), (19, 4614), (24, 4650), (30, 4713), (Start: 73 @4830 has 10 MA's), (108, 4935), (115, 4959), (146, 5118), (186, 5283),

Gene: Jabiru_12 Start: 10140, Stop: 10652, Start Num: 72

Candidate Starts for Jabiru_12:
(Start: 53 @10107 has 19 MA's), (Start: 72 @10140 has 557 MA's), (111, 10233), (153, 10428), (162, 10455), (174, 10524), (183, 10557), (196, 10623),

Gene: Jabith_15 Start: 12204, Stop: 12725, Start Num: 72
Candidate Starts for Jabith_15:
(59, 12183), (Start: 72 @12204 has 557 MA's), (95, 12255), (114, 12318), (157, 12504),

Gene: JacoRen57_5 Start: 4850, Stop: 5443, Start Num: 67
Candidate Starts for JacoRen57_5:
(Start: 67 @4850 has 127 MA's), (116, 5021), (120, 5042), (125, 5072), (162, 5234), (178, 5324),

Gene: JalFarm20_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for JalFarm20_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Jankie_5 Start: 4178, Stop: 4630, Start Num: 97
Candidate Starts for Jankie_5:
(Start: 97 @4178 has 2 MA's), (151, 4409),

Gene: Jarvi_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Jarvi_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Jayhawk_12 Start: 7314, Stop: 7856, Start Num: 67
Candidate Starts for Jayhawk_12:
(23, 7131), (Start: 67 @7314 has 127 MA's), (122, 7449), (164, 7617), (199, 7812), (206, 7830), (207, 7839),

Gene: Jaykayelowell_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Jaykayelowell_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Jeckyll_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Jeckyll_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Jeeves_14 Start: 10699, Stop: 11211, Start Num: 72
Candidate Starts for Jeeves_14:
(Start: 72 @10699 has 557 MA's), (140, 10924), (176, 11080), (190, 11152),

Gene: Jeffabunny_18 Start: 11680, Stop: 12210, Start Num: 72
Candidate Starts for Jeffabunny_18:
(Start: 72 @11680 has 557 MA's), (121, 11824), (140, 11917), (144, 11929), (172, 12055),

Gene: JenCasNa_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for JenCasNa_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: JeppNRM_17 Start: 11073, Stop: 11576, Start Num: 72
Candidate Starts for JeppNRM_17:

(Start: 53 @11037 has 19 MA's), (Start: 61 @11052 has 20 MA's), (Start: 72 @11073 has 557 MA's), (130, 11250), (162, 11382), (166, 11394),

Gene: Jerm_17 Start: 12028, Stop: 12555, Start Num: 72
Candidate Starts for Jerm_17:
(Start: 72 @12028 has 557 MA's), (157, 12328), (162, 12343), (190, 12496), (197, 12529),

Gene: Jester_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Jester_11:
(Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: JetBlade_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for JetBlade_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: JewelBug_18 Start: 11678, Stop: 12208, Start Num: 72
Candidate Starts for JewelBug_18:
(Start: 72 @11678 has 557 MA's), (121, 11822), (140, 11915), (144, 11927), (172, 12053),

Gene: Jiawan_15 Start: 12303, Stop: 12836, Start Num: 72
Candidate Starts for Jiawan_15:
(Start: 72 @12303 has 557 MA's), (95, 12351), (124, 12465), (157, 12606), (162, 12621), (166, 12633), (197, 12801), (198, 12804),

Gene: Job42_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Job42_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (164, 4726), (173, 4786), (179, 4810), (207, 4927),

Gene: Jobu08_16 Start: 11051, Stop: 11575, Start Num: 61
Candidate Starts for Jobu08_16:
(Start: 53 @11036 has 19 MA's), (Start: 61 @11051 has 20 MA's), (Start: 72 @11072 has 557 MA's), (130, 11249), (162, 11381), (166, 11393),

Gene: JoongJeon_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for JoongJeon_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Jordennis_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Jordennis_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Joselito_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Joselito_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: JoshKayV_17 Start: 12035, Stop: 12559, Start Num: 72
Candidate Starts for JoshKayV_17:
(Start: 72 @12035 has 557 MA's), (145, 12296), (197, 12533),

Gene: Journey13_13 Start: 10712, Stop: 11236, Start Num: 72
Candidate Starts for Journey13_13:
(Start: 72 @10712 has 557 MA's), (103, 10778), (144, 10955), (172, 11081), (194, 11198),

Gene: Jovo_12 Start: 10372, Stop: 10881, Start Num: 72
Candidate Starts for Jovo_12:
(Start: 72 @10372 has 557 MA's), (111, 10462), (144, 10615), (153, 10657), (162, 10684), (169, 10705), (174, 10753),

Gene: Joy99_12 Start: 7289, Stop: 7825, Start Num: 66
Candidate Starts for Joy99_12:
(Start: 66 @7289 has 101 MA's), (122, 7418), (164, 7586), (199, 7781), (206, 7799), (207, 7808),

Gene: Jsquared_14 Start: 10477, Stop: 11001, Start Num: 72
Candidate Starts for Jsquared_14:
(6, 10186), (7, 10198), (Start: 72 @10477 has 557 MA's), (95, 10528), (121, 10618), (126, 10648), (162, 10792), (169, 10813), (190, 10942), (197, 10975),

Gene: Juice456_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Juice456_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Juliette_13 Start: 8420, Stop: 8992, Start Num: 67
Candidate Starts for Juliette_13:
(21, 8240), (Start: 67 @8420 has 127 MA's), (149, 8708), (164, 8753),

Gene: Junimo_13 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Junimo_13:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: KADY_17 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for KADY_17:
(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: KFPoly_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for KFPoly_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Kachowdy_14 Start: 10599, Stop: 11120, Start Num: 72
Candidate Starts for Kachowdy_14:
(Start: 72 @10599 has 557 MA's), (129, 10773), (153, 10881), (166, 10920), (203, 11091),

Gene: Kalb97_17 Start: 11073, Stop: 11576, Start Num: 72
Candidate Starts for Kalb97_17:
(Start: 53 @11037 has 19 MA's), (Start: 61 @11052 has 20 MA's), (Start: 72 @11073 has 557 MA's), (130, 11250), (162, 11382), (166, 11394),

Gene: Kalnoky_17 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Kalnoky_17:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: Kalpine_18 Start: 13392, Stop: 13916, Start Num: 72
Candidate Starts for Kalpine_18:
(59, 13371), (Start: 72 @13392 has 557 MA's), (103, 13461), (144, 13638), (190, 13857),

Gene: Kamaru_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for Kamaru_6:
(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: Kampy_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Kampy_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Katalie136_14 Start: 10949, Stop: 11461, Start Num: 72
Candidate Starts for Katalie136_14:
(Start: 53 @10916 has 19 MA's), (Start: 72 @10949 has 557 MA's), (114, 11060), (137, 11171), (178, 11348),

Gene: KatherineG_17 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for KatherineG_17:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: Kazan_18 Start: 11683, Stop: 12213, Start Num: 72
Candidate Starts for Kazan_18:
(Start: 72 @11683 has 557 MA's), (121, 11827), (140, 11920), (144, 11932), (172, 12058),

Gene: Keelan_36 Start: 13692, Stop: 14267, Start Num: 72
Candidate Starts for Keelan_36:
(Start: 72 @13692 has 557 MA's), (112, 13821), (138, 13965), (148, 14007), (158, 14043), (170, 14103), (173, 14124), (204, 14247), (206, 14253),

Gene: KekoraPapaka_13 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for KekoraPapaka_13:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Kenna_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Kenna_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Kerberos_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for Kerberos_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: Keshu_11 Start: 7324, Stop: 7872, Start Num: 82
Candidate Starts for Keshu_11:
(Start: 82 @7324 has 7 MA's), (109, 7417), (164, 7636), (207, 7855),

Gene: Keziacharles14_14 Start: 10434, Stop: 10949, Start Num: 72
Candidate Starts for Keziacharles14_14:
(Start: 72 @10434 has 557 MA's), (103, 10485), (144, 10668), (166, 10749), (176, 10812), (194, 10908), (197, 10917), (198, 10920),

Gene: KiSi_11 Start: 6171, Stop: 6728, Start Num: 67
Candidate Starts for KiSi_11:
(Start: 67 @6171 has 127 MA's), (199, 6684), (206, 6702), (207, 6711),

Gene: Kimba_15 Start: 12204, Stop: 12725, Start Num: 72
Candidate Starts for Kimba_15:
(59, 12183), (Start: 72 @12204 has 557 MA's), (95, 12255), (114, 12318), (157, 12504),

Gene: Kimberlium_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Kimberlium_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Kimona_11 Start: 8311, Stop: 8856, Start Num: 53
Candidate Starts for Kimona_11:
(Start: 53 @8311 has 19 MA's), (Start: 72 @8344 has 557 MA's), (124, 8500), (129, 8521), (134, 8545), (149, 8617), (194, 8824),

Gene: KingCyrus_17 Start: 12018, Stop: 12530, Start Num: 72
Candidate Starts for KingCyrus_17:
(Start: 53 @11982 has 19 MA's), (Start: 61 @11997 has 20 MA's), (Start: 72 @12018 has 557 MA's), (157, 12306), (166, 12333), (169, 12342), (190, 12471), (197, 12504),

Gene: Kingmustik0402_14 Start: 10931, Stop: 11443, Start Num: 72
Candidate Starts for Kingmustik0402_14:
(Start: 72 @10931 has 557 MA's), (114, 11042), (178, 11330),

Gene: Kingsley_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Kingsley_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Kinmap_14 Start: 11474, Stop: 11998, Start Num: 72
Candidate Starts for Kinmap_14:
(Start: 72 @11474 has 557 MA's), (111, 11591), (125, 11654), (129, 11666), (157, 11786), (169, 11822), (190, 11939),

Gene: Kipper29_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for Kipper29_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: KittenMittens_13 Start: 8814, Stop: 9335, Start Num: 72
Candidate Starts for KittenMittens_13:
(Start: 61 @8793 has 20 MA's), (Start: 72 @8814 has 557 MA's), (129, 9000),

Gene: Klodlith_15 Start: 10498, Stop: 11028, Start Num: 72
Candidate Starts for Klodlith_15:
(Start: 61 @10477 has 20 MA's), (Start: 72 @10498 has 557 MA's), (95, 10549), (103, 10567), (140, 10732), (166, 10825),

Gene: Koan_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Koan_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Koduck_16 Start: 10789, Stop: 11310, Start Num: 72
Candidate Starts for Koduck_16:
(Start: 53 @10753 has 19 MA's), (Start: 61 @10768 has 20 MA's), (Start: 72 @10789 has 557 MA's), (103, 10852), (121, 10924), (129, 10963), (144, 11029), (157, 11083), (172, 11155),

Gene: Koko_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Koko_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (144, 11921), (172, 12047),

Gene: Koreni_13 Start: 10588, Stop: 11100, Start Num: 72
Candidate Starts for Koreni_13:
(Start: 72 @10588 has 557 MA's), (114, 10699), (178, 10987),

Gene: Kratark_14 Start: 10934, Stop: 11446, Start Num: 72
Candidate Starts for Kratark_14:
(Start: 72 @10934 has 557 MA's), (114, 11045), (178, 11333),

Gene: Kratio_9 Start: 7091, Stop: 7657, Start Num: 74
Candidate Starts for Kratio_9:
(Start: 74 @7091 has 13 MA's), (Start: 79 @7112 has 8 MA's), (Start: 83 @7127 has 13 MA's), (90, 7139), (164, 7424),

Gene: Kraw_13 Start: 8453, Stop: 9025, Start Num: 67
Candidate Starts for Kraw_13:
(Start: 67 @8453 has 127 MA's), (149, 8741), (164, 8786),

Gene: Kremtemulon_14 Start: 10987, Stop: 11499, Start Num: 72
Candidate Starts for Kremtemulon_14:
(Start: 72 @10987 has 557 MA's), (114, 11098), (178, 11386),

Gene: Krishelle_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Krishelle_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (176, 7572),

Gene: Kristoff_15 Start: 10882, Stop: 11403, Start Num: 72
Candidate Starts for Kristoff_15:
(Start: 61 @10861 has 20 MA's), (Start: 72 @10882 has 557 MA's), (105, 10969),

Gene: Kropertea_7 Start: 5089, Stop: 5700, Start Num: 69
Candidate Starts for Kropertea_7:
(Start: 69 @5089 has 12 MA's), (115, 5230), (145, 5386), (159, 5434), (192, 5602), (206, 5647), (208, 5692),

Gene: Krueger_11 Start: 6185, Stop: 6796, Start Num: 46
Candidate Starts for Krueger_11:
(Start: 46 @6185 has 1 MA's), (Start: 67 @6224 has 127 MA's), (148, 6512), (164, 6563), (170, 6602), (206, 6770), (207, 6779),

Gene: Kudefre_15 Start: 8967, Stop: 9623, Start Num: 39
Candidate Starts for Kudefre_15:
(Start: 28 @8925 has 1 MA's), (Start: 39 @8967 has 1 MA's), (42, 8988), (Start: 44 @8991 has 5 MA's), (Start: 54 @9015 has 2 MA's), (102, 9141), (132, 9285), (139, 9324), (155, 9393), (165, 9423), (169, 9435), (174, 9483), (175, 9489), (199, 9603), (201, 9606),

Gene: Kugel_15 Start: 11145, Stop: 11642, Start Num: 72
Candidate Starts for Kugel_15:

(Start: 72 @11145 has 557 MA's), (140, 11361), (144, 11373), (169, 11463), (184, 11550), (191, 11592), (194, 11610),

Gene: Kyee_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Kyee_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Kykar_12 Start: 10642, Stop: 11139, Start Num: 72
Candidate Starts for Kykar_12:
(Start: 72 @10642 has 557 MA's), (140, 10858), (144, 10870), (169, 10960), (184, 11047), (191, 11089), (194, 11107),

Gene: L5_16 Start: 10797, Stop: 11318, Start Num: 72
Candidate Starts for L5_16:
(Start: 53 @10761 has 19 MA's), (Start: 61 @10776 has 20 MA's), (Start: 72 @10797 has 557 MA's), (103, 10860), (121, 10932), (129, 10971), (144, 11037), (157, 11091), (172, 11163),

Gene: LBerry_16 Start: 11003, Stop: 11506, Start Num: 72
Candidate Starts for LBerry_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: LHTSCC_14 Start: 10917, Stop: 11429, Start Num: 72
Candidate Starts for LHTSCC_14:
(Start: 53 @10884 has 19 MA's), (Start: 72 @10917 has 557 MA's), (114, 11028), (169, 11250), (178, 11316),

Gene: LadyBird_15 Start: 11551, Stop: 12099, Start Num: 53
Candidate Starts for LadyBird_15:
(Start: 53 @11551 has 19 MA's), (Start: 61 @11566 has 20 MA's), (Start: 72 @11587 has 557 MA's), (107, 11665), (157, 11878), (176, 11968), (190, 12040),

Gene: Lambert1_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Lambert1_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Landor_16 Start: 13362, Stop: 13871, Start Num: 72
Candidate Starts for Landor_16:
(Start: 72 @13362 has 557 MA's), (129, 13530), (157, 13650), (166, 13677), (190, 13815),

Gene: LappelDuVide_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for LappelDuVide_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Larenn_16 Start: 11884, Stop: 12414, Start Num: 72
Candidate Starts for Larenn_16:
(25, 11731), (Start: 53 @11848 has 19 MA's), (59, 11863), (Start: 72 @11884 has 557 MA's), (144, 12130), (162, 12199), (169, 12220), (190, 12355), (197, 12388), (200, 12397), (203, 12400),

Gene: LarryKay_16 Start: 11089, Stop: 11592, Start Num: 72
Candidate Starts for LarryKay_16:
(Start: 53 @11053 has 19 MA's), (Start: 61 @11068 has 20 MA's), (Start: 72 @11089 has 557 MA's), (130, 11266), (162, 11398), (166, 11410),

Gene: Larva_10 Start: 7222, Stop: 7788, Start Num: 74
Candidate Starts for Larva_10:
(Start: 74 @7222 has 13 MA's), (Start: 79 @7243 has 8 MA's), (Start: 83 @7258 has 13 MA's), (90, 7270), (164, 7555),

Gene: LastHope_12 Start: 6334, Stop: 6882, Start Num: 65
Candidate Starts for LastHope_12:
(Start: 65 @6334 has 2 MA's), (122, 6484), (164, 6652), (170, 6691), (199, 6838), (206, 6856), (207, 6865),

Gene: LastNadiia_10 Start: 7336, Stop: 7845, Start Num: 70
Candidate Starts for LastNadiia_10:
(Start: 70 @7336 has 11 MA's),

Gene: LastResort_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for LastResort_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: LaterM_12 Start: 7280, Stop: 7822, Start Num: 66
Candidate Starts for LaterM_12:
(Start: 66 @7280 has 101 MA's), (122, 7415), (164, 7583), (206, 7796), (207, 7805),

Gene: Lavahound_10 Start: 6944, Stop: 7507, Start Num: 67
Candidate Starts for Lavahound_10:
(Start: 67 @6944 has 127 MA's), (164, 7274), (206, 7481), (207, 7490),

Gene: LeMond_11 Start: 6171, Stop: 6728, Start Num: 67
Candidate Starts for LeMond_11:
(Start: 67 @6171 has 127 MA's), (199, 6684), (206, 6702), (207, 6711),

Gene: Lea83_11 Start: 7326, Stop: 7874, Start Num: 82
Candidate Starts for Lea83_11:
(Start: 69 @7290 has 12 MA's), (Start: 82 @7326 has 7 MA's), (152, 7602), (164, 7638), (207, 7857),

Gene: Lebo14_13 Start: 8547, Stop: 9119, Start Num: 67
Candidate Starts for Lebo14_13:
(Start: 67 @8547 has 127 MA's), (149, 8835), (164, 8880),

Gene: Lemur_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Lemur_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (157, 11236), (178, 11338),

Gene: LeoAvram_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for LeoAvram_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Leogania_17 Start: 13755, Stop: 14273, Start Num: 72
Candidate Starts for Leogania_17:
(Start: 53 @13719 has 19 MA's), (Start: 61 @13734 has 20 MA's), (Start: 72 @13755 has 557 MA's), (157, 14052), (166, 14079), (190, 14214),

Gene: Leozinho_6 Start: 4408, Stop: 4944, Start Num: 67

Candidate Starts for Leozinho_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Leroy_6 Start: 4328, Stop: 4879, Start Num: 76
Candidate Starts for Leroy_6:
(Start: 76 @4328 has 17 MA's), (102, 4409), (118, 4481), (186, 4787),

Gene: Leston_10 Start: 7384, Stop: 8013, Start Num: 40
Candidate Starts for Leston_10:
(Start: 40 @7384 has 4 MA's), (Start: 53 @7423 has 19 MA's), (Start: 74 @7468 has 13 MA's), (Start: 79 @7489 has 8 MA's), (Start: 83 @7504 has 13 MA's), (90, 7516), (164, 7789),

Gene: Lev2_12 Start: 10081, Stop: 10593, Start Num: 72
Candidate Starts for Lev2_12:
(32, 9982), (Start: 53 @10048 has 19 MA's), (Start: 72 @10081 has 557 MA's), (111, 10174), (153, 10369), (162, 10396), (174, 10465), (183, 10498), (196, 10564),

Gene: Leviathan_17 Start: 12060, Stop: 12587, Start Num: 72
Candidate Starts for Leviathan_17:
(Start: 72 @12060 has 557 MA's), (157, 12360), (162, 12375), (190, 12528), (197, 12561),

Gene: LilDirt_9 Start: 7257, Stop: 7787, Start Num: 83
Candidate Starts for LilDirt_9:
(Start: 74 @7221 has 13 MA's), (Start: 79 @7242 has 8 MA's), (Start: 83 @7257 has 13 MA's), (90, 7269), (164, 7554),

Gene: LilJank_15 Start: 8880, Stop: 9503, Start Num: 44
Candidate Starts for LilJank_15:
(41, 8868), (Start: 44 @8880 has 5 MA's), (Start: 65 @8919 has 2 MA's), (85, 8976), (101, 9021), (114, 9072), (117, 9087), (139, 9201), (143, 9213), (152, 9258), (169, 9312), (174, 9360), (176, 9369), (193, 9465), (201, 9486),

Gene: LilPharaoh_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for LilPharaoh_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: LilTurb_17 Start: 12087, Stop: 12614, Start Num: 72
Candidate Starts for LilTurb_17:
(Start: 72 @12087 has 557 MA's), (157, 12387), (162, 12402), (190, 12555), (197, 12588),

Gene: Lilbunny_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for Lilbunny_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Lilith_16 Start: 10996, Stop: 11499, Start Num: 72
Candidate Starts for Lilith_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: Lilleskat_14 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for Lilleskat_14:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Lillie_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Lillie_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: LindNT_12 Start: 7280, Stop: 7822, Start Num: 66
Candidate Starts for LindNT_12:
(Start: 66 @7280 has 101 MA's), (122, 7415), (164, 7583), (199, 7778), (206, 7796), (207, 7805),

Gene: LionsBait_16 Start: 13363, Stop: 13884, Start Num: 72
Candidate Starts for LionsBait_16:
(Start: 53 @13327 has 19 MA's), (Start: 61 @13342 has 20 MA's), (Start: 72 @13363 has 557 MA's), (157, 13660), (166, 13687), (190, 13825),

Gene: LisoBros_5 Start: 4378, Stop: 4854, Start Num: 86
Candidate Starts for LisoBros_5:
(Start: 86 @4378 has 2 MA's), (151, 4636), (164, 4669),

Gene: LitninMcQueen_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for LitninMcQueen_6:
(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: LittleB_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for LittleB_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: LittleCherry_12 Start: 10264, Stop: 10773, Start Num: 72
Candidate Starts for LittleCherry_12:
(Start: 72 @10264 has 557 MA's), (111, 10354), (144, 10507), (153, 10549), (162, 10576), (169, 10597), (174, 10645),

Gene: LittleGuy_14 Start: 10885, Stop: 11397, Start Num: 72
Candidate Starts for LittleGuy_14:
(Start: 72 @10885 has 557 MA's), (114, 10996), (178, 11284),

Gene: LittleShirley_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for LittleShirley_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Llorens_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Llorens_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: LochMonster_14 Start: 10914, Stop: 11426, Start Num: 72
Candidate Starts for LochMonster_14:
(Start: 72 @10914 has 557 MA's), (114, 11025), (178, 11313),

Gene: LogiBear_18 Start: 11483, Stop: 12001, Start Num: 72
Candidate Starts for LogiBear_18:
(Start: 72 @11483 has 557 MA's), (103, 11552), (129, 11663), (136, 11702), (176, 11873),

Gene: Lokk_18 Start: 13310, Stop: 13819, Start Num: 72

Candidate Starts for Lokk_18:
(Start: 72 @13310 has 557 MA's), (107, 13391), (121, 13445), (157, 13604), (162, 13619), (190, 13763),

Gene: LoneWolf_16 Start: 12107, Stop: 12640, Start Num: 72
Candidate Starts for LoneWolf_16:
(4, 11756), (5, 11783), (Start: 72 @12107 has 557 MA's), (95, 12155), (124, 12269), (157, 12410), (162, 12425), (166, 12437), (197, 12605), (198, 12608),

Gene: LongHai_9 Start: 6114, Stop: 6710, Start Num: 54
Candidate Starts for LongHai_9:
(Start: 54 @6114 has 2 MA's), (100, 6237), (116, 6306), (147, 6456), (159, 6495),

Gene: Looper_18 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for Looper_18:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: LordVader_6 Start: 4404, Stop: 4940, Start Num: 67
Candidate Starts for LordVader_6:
(Start: 67 @4404 has 127 MA's), (124, 4572), (134, 4626), (154, 4695), (156, 4704), (179, 4806), (207, 4923),

Gene: Lorde_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Lorde_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Lorenzo_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Lorenzo_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Loser_18 Start: 13393, Stop: 13905, Start Num: 72
Candidate Starts for Loser_18:
(Start: 53 @13354 has 19 MA's), (Start: 72 @13393 has 557 MA's), (103, 13453), (169, 13720), (190, 13846),

Gene: Louie6_16 Start: 11069, Stop: 11593, Start Num: 61
Candidate Starts for Louie6_16:
(Start: 53 @11054 has 19 MA's), (Start: 61 @11069 has 20 MA's), (Start: 72 @11090 has 557 MA's), (130, 11267), (162, 11399), (166, 11411),

Gene: Lowa_16 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for Lowa_16:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: Luchador_15 Start: 11684, Stop: 12196, Start Num: 72
Candidate Starts for Luchador_15:
(Start: 72 @11684 has 557 MA's), (140, 11909), (190, 12137),

Gene: Lucia_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Lucia_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Lucivia_15 Start: 12201, Stop: 12722, Start Num: 72
Candidate Starts for Lucivia_15:
(59, 12180), (Start: 72 @12201 has 557 MA's), (95, 12252), (114, 12315), (157, 12501),

Gene: Lucyedi_16 Start: 11784, Stop: 12311, Start Num: 72
Candidate Starts for Lucyedi_16:
(15, 11562), (Start: 72 @11784 has 557 MA's), (166, 12105), (171, 12141),

Gene: LugYA_18 Start: 10980, Stop: 11504, Start Num: 61
Candidate Starts for LugYA_18:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Lunahalos_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Lunahalos_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Lunsford_15 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Lunsford_15:
(Start: 72 @10939 has 557 MA's), (114, 11050), (157, 11236), (178, 11338),

Gene: Lutum_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Lutum_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: MA5_14 Start: 10146, Stop: 10670, Start Num: 72
Candidate Starts for MA5_14:
(Start: 72 @10146 has 557 MA's), (129, 10323), (153, 10431), (166, 10470),

Gene: MK4_14 Start: 10418, Stop: 10942, Start Num: 72
Candidate Starts for MK4_14:
(Start: 53 @10382 has 19 MA's), (Start: 72 @10418 has 557 MA's), (129, 10595), (153, 10703), (166, 10742),

Gene: MaCh_15 Start: 12149, Stop: 12670, Start Num: 72
Candidate Starts for MaCh_15:
(59, 12128), (Start: 72 @12149 has 557 MA's), (95, 12200), (114, 12263), (157, 12449),

Gene: Mabel_15 Start: 12216, Stop: 12737, Start Num: 72
Candidate Starts for Mabel_15:
(59, 12195), (Start: 72 @12216 has 557 MA's), (95, 12267), (114, 12330), (157, 12516),

Gene: MacKat_12 Start: 7333, Stop: 7875, Start Num: 66
Candidate Starts for MacKat_12:
(Start: 66 @7333 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: MacnCheese_12 Start: 7513, Stop: 8091, Start Num: 69
Candidate Starts for MacnCheese_12:
(Start: 69 @7513 has 12 MA's), (Start: 82 @7549 has 7 MA's), (109, 7633), (164, 7852), (207, 8074),

Gene: Maco6_6 Start: 5069, Stop: 5665, Start Num: 54
Candidate Starts for Maco6_6:
(Start: 54 @5069 has 2 MA's), (100, 5192), (147, 5411), (159, 5450),

Gene: MadMarie_16 Start: 11005, Stop: 11508, Start Num: 72
Candidate Starts for MadMarie_16:
(Start: 53 @10969 has 19 MA's), (Start: 61 @10984 has 20 MA's), (Start: 72 @11005 has 557 MA's), (130, 11182), (162, 11314), (166, 11326),

Gene: Madiba_6 Start: 4407, Stop: 4943, Start Num: 67
Candidate Starts for Madiba_6:
(Start: 67 @4407 has 127 MA's), (134, 4629), (154, 4698), (156, 4707), (164, 4725), (173, 4785), (179, 4809), (207, 4926),

Gene: Mainiac_16 Start: 10960, Stop: 11499, Start Num: 53
Candidate Starts for Mainiac_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: MajorMajor_14 Start: 10524, Stop: 11048, Start Num: 72
Candidate Starts for MajorMajor_14:
(Start: 52 @10488 has 1 MA's), (59, 10503), (Start: 72 @10524 has 557 MA's), (95, 10575), (121, 10665), (126, 10695), (162, 10839), (169, 10860), (190, 10989), (197, 11022),

Gene: Makima_8 Start: 6454, Stop: 6963, Start Num: 70
Candidate Starts for Makima_8:
(63, 6439), (Start: 70 @6454 has 11 MA's), (164, 6757),

Gene: Malec_16 Start: 11889, Stop: 12419, Start Num: 72
Candidate Starts for Malec_16:
(25, 11736), (Start: 53 @11853 has 19 MA's), (59, 11868), (Start: 72 @11889 has 557 MA's), (144, 12135), (162, 12204), (169, 12225), (190, 12360), (197, 12393), (200, 12402), (203, 12405),

Gene: Malinsilva_18 Start: 10959, Stop: 11498, Start Num: 53
Candidate Starts for Malinsilva_18:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: Malisha_6 Start: 5305, Stop: 5919, Start Num: 51
Candidate Starts for Malisha_6:
(Start: 51 @5305 has 1 MA's), (77, 5359), (108, 5458), (115, 5482), (162, 5695), (176, 5773), (181, 5794), (186, 5824),

Gene: Malthus_13 Start: 8453, Stop: 9025, Start Num: 67
Candidate Starts for Malthus_13:
(Start: 67 @8453 has 127 MA's), (149, 8741), (164, 8786),

Gene: Maminiaina_16 Start: 12031, Stop: 12564, Start Num: 72
Candidate Starts for Maminiaina_16:
(Start: 72 @12031 has 557 MA's), (95, 12079), (124, 12193), (157, 12334), (162, 12349), (166, 12361), (197, 12529), (198, 12532),

Gene: Manu_17 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Manu_17:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: MarQuardt_16 Start: 10983, Stop: 11507, Start Num: 61
Candidate Starts for MarQuardt_16:
(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: Marchesa_14 Start: 10597, Stop: 11118, Start Num: 72
Candidate Starts for Marchesa_14:
(Start: 72 @10597 has 557 MA's), (129, 10771), (153, 10879), (166, 10918), (203, 11089),

Gene: Margo_15 Start: 11118, Stop: 11627, Start Num: 72
Candidate Starts for Margo_15:
(31, 11013), (Start: 72 @11118 has 557 MA's), (153, 11400), (166, 11439), (196, 11598),

Gene: Marie_16 Start: 10980, Stop: 11504, Start Num: 61
Candidate Starts for Marie_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Marius_17 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Marius_17:
(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: MarkPhew_11 Start: 6090, Stop: 6629, Start Num: 67
Candidate Starts for MarkPhew_11:
(Start: 67 @6090 has 127 MA's), (148, 6342), (152, 6357), (199, 6585), (206, 6603), (207, 6612),

Gene: Marker_6 Start: 4407, Stop: 4943, Start Num: 67
Candidate Starts for Marker_6:
(Start: 67 @4407 has 127 MA's), (134, 4629), (154, 4698), (156, 4707), (164, 4725), (173, 4785), (179, 4809), (207, 4926),

Gene: Marshawn_13 Start: 6726, Stop: 7280, Start Num: 67
Candidate Starts for Marshawn_13:
(Start: 67 @6726 has 127 MA's), (122, 6876), (152, 7008), (199, 7236), (206, 7254),

Gene: MarysWell_11 Start: 10231, Stop: 10740, Start Num: 72
Candidate Starts for MarysWell_11:
(Start: 72 @10231 has 557 MA's), (111, 10321), (144, 10474), (153, 10516), (162, 10543), (169, 10564), (174, 10612),

Gene: Maverick_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Maverick_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Maxo_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Maxo_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Mayonnaise_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Mayonnaise_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Mazhar510_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Mazhar510_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: McFly_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for McFly_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: McMater_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for McMater_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: Mdavu_8 Start: 6577, Stop: 7125, Start Num: 66
Candidate Starts for Mdavu_8:
(Start: 66 @6577 has 101 MA's), (164, 6892), (199, 7081), (206, 7099),

Gene: MeaningOfLife_12 Start: 7286, Stop: 7828, Start Num: 66
Candidate Starts for MeaningOfLife_12:
(Start: 66 @7286 has 101 MA's), (122, 7421), (164, 7589), (199, 7784), (206, 7802), (207, 7811),

Gene: Medusa_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Medusa_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: MeeZee_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for MeeZee_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: MegTheThird_14 Start: 10421, Stop: 10951, Start Num: 72
Candidate Starts for MegTheThird_14:
(Start: 61 @10400 has 20 MA's), (Start: 72 @10421 has 557 MA's), (95, 10472), (166, 10748),

Gene: Megsy_12 Start: 7283, Stop: 7825, Start Num: 66
Candidate Starts for Megsy_12:
(Start: 66 @7283 has 101 MA's), (122, 7418), (164, 7586), (199, 7781), (206, 7799), (207, 7808),

Gene: Melvin_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Melvin_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Methuselah_16 Start: 11065, Stop: 11589, Start Num: 61
Candidate Starts for Methuselah_16:
(Start: 53 @11050 has 19 MA's), (Start: 61 @11065 has 20 MA's), (Start: 72 @11086 has 557 MA's), (130, 11263), (162, 11395), (166, 11407),

Gene: Micasa_12 Start: 10232, Stop: 10741, Start Num: 72
Candidate Starts for Micasa_12:
(Start: 72 @10232 has 557 MA's), (111, 10322), (144, 10475), (153, 10517), (162, 10544), (169, 10565), (174, 10613),

Gene: Microwolf_16 Start: 11004, Stop: 11507, Start Num: 72
Candidate Starts for Microwolf_16:

(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: MiculUcigas_15 Start: 11659, Stop: 12183, Start Num: 72
Candidate Starts for MiculUcigas_15:
(25, 11506), (Start: 53 @11623 has 19 MA's), (59, 11638), (Start: 72 @11659 has 557 MA's), (129, 11839), (157, 11959), (166, 11986), (190, 12124), (197, 12157), (200, 12166), (203, 12169),

Gene: Midas2_12 Start: 10231, Stop: 10740, Start Num: 72
Candidate Starts for Midas2_12:
(Start: 72 @10231 has 557 MA's), (111, 10321), (144, 10474), (153, 10516), (162, 10543), (169, 10564), (174, 10612),

Gene: Miko_18 Start: 13279, Stop: 13788, Start Num: 72
Candidate Starts for Miko_18:
(Start: 72 @13279 has 557 MA's), (107, 13360), (121, 13414), (162, 13588),

Gene: Milcery_12 Start: 10268, Stop: 10777, Start Num: 72
Candidate Starts for Milcery_12:
(Start: 72 @10268 has 557 MA's), (111, 10358), (153, 10553), (162, 10580), (169, 10601), (174, 10649),

Gene: Millski_14 Start: 10942, Stop: 11454, Start Num: 72
Candidate Starts for Millski_14:
(Start: 72 @10942 has 557 MA's), (114, 11053), (178, 11341),

Gene: MinecraftSteve_18 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for MinecraftSteve_18:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: Minispark_13 Start: 10342, Stop: 10866, Start Num: 72
Candidate Starts for Minispark_13:
(Start: 72 @10342 has 557 MA's), (103, 10405), (111, 10441), (197, 10831), (198, 10834),

Gene: Miramae_14 Start: 10897, Stop: 11409, Start Num: 72
Candidate Starts for Miramae_14:
(Start: 53 @10864 has 19 MA's), (Start: 72 @10897 has 557 MA's), (114, 11008), (169, 11230), (178, 11296),

Gene: Mireles_7 Start: 4860, Stop: 5363, Start Num: 70
Candidate Starts for Mireles_7:
(63, 4845), (Start: 70 @4860 has 11 MA's), (154, 5136), (204, 5331),

Gene: Miryou_10 Start: 7374, Stop: 7883, Start Num: 83
Candidate Starts for Miryou_10:
(Start: 40 @7254 has 4 MA's), (Start: 53 @7293 has 19 MA's), (Start: 74 @7338 has 13 MA's), (Start: 79 @7359 has 8 MA's), (Start: 83 @7374 has 13 MA's), (90, 7386), (164, 7659),

Gene: Misha28_6 Start: 4412, Stop: 4948, Start Num: 67
Candidate Starts for Misha28_6:
(Start: 67 @4412 has 127 MA's), (134, 4634), (154, 4703), (156, 4712), (164, 4730), (179, 4814), (207, 4931),

Gene: Misomonster_18 Start: 11065, Stop: 11589, Start Num: 61
Candidate Starts for Misomonster_18:
(Start: 53 @11050 has 19 MA's), (Start: 61 @11065 has 20 MA's), (Start: 72 @11086 has 557 MA's), (130, 11263), (162, 11395), (166, 11407),

Gene: MissDaisy_13 Start: 8319, Stop: 8891, Start Num: 67
Candidate Starts for MissDaisy_13:
(Start: 67 @8319 has 127 MA's), (149, 8607), (164, 8652),

Gene: MissWhite_15 Start: 10643, Stop: 11170, Start Num: 72
Candidate Starts for MissWhite_15:
(Start: 72 @10643 has 557 MA's), (103, 10712), (144, 10889), (172, 11015),

Gene: Mitti_13 Start: 8457, Stop: 9029, Start Num: 67
Candidate Starts for Mitti_13:
(Start: 67 @8457 has 127 MA's), (149, 8745), (164, 8790),

Gene: MoneyMay_16 Start: 10965, Stop: 11504, Start Num: 53
Candidate Starts for MoneyMay_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Montavir_15 Start: 11003, Stop: 11506, Start Num: 72
Candidate Starts for Montavir_15:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Moostard_8 Start: 5538, Stop: 6137, Start Num: 69
Candidate Starts for Moostard_8:
(Start: 69 @5538 has 12 MA's), (128, 5724), (143, 5799), (145, 5820), (174, 5946), (192, 6036),

Gene: Morpher26_14 Start: 10949, Stop: 11461, Start Num: 72
Candidate Starts for Morpher26_14:
(Start: 53 @10916 has 19 MA's), (Start: 72 @10949 has 557 MA's), (114, 11060), (137, 11171), (178, 11348),

Gene: Morrow_14 Start: 10942, Stop: 11454, Start Num: 72
Candidate Starts for Morrow_14:
(Start: 72 @10942 has 557 MA's), (114, 11053), (178, 11341),

Gene: Mova_6 Start: 4410, Stop: 4946, Start Num: 67
Candidate Starts for Mova_6:
(Start: 67 @4410 has 127 MA's), (134, 4632), (154, 4701), (156, 4710), (164, 4728), (179, 4812), (207, 4929),

Gene: Mozy_6 Start: 4405, Stop: 4941, Start Num: 67
Candidate Starts for Mozy_6:
(Start: 67 @4405 has 127 MA's), (154, 4696), (156, 4705), (207, 4924),

Gene: MuchMore_18 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for MuchMore_18:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: Muddy_8 Start: 6022, Stop: 6618, Start Num: 54
Candidate Starts for Muddy_8:
(Start: 54 @6022 has 2 MA's), (100, 6145), (147, 6364), (159, 6403),

Gene: Mufasa_8 Start: 5333, Stop: 5878, Start Num: 67
Candidate Starts for Mufasa_8:
(Start: 67 @5333 has 127 MA's), (155, 5636), (164, 5654), (206, 5852),

Gene: MulchExplorer_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for MulchExplorer_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Mulciber_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Mulciber_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Munch_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Munch_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Mundrea_14 Start: 10902, Stop: 11414, Start Num: 72
Candidate Starts for Mundrea_14:
(Start: 53 @10869 has 19 MA's), (Start: 72 @10902 has 557 MA's), (114, 11013), (178, 11301),

Gene: Murucutumbu_12 Start: 7273, Stop: 7815, Start Num: 66
Candidate Starts for Murucutumbu_12:
(Start: 66 @7273 has 101 MA's), (122, 7408), (164, 7576), (206, 7789), (207, 7798),

Gene: Mynx_12 Start: 7336, Stop: 7878, Start Num: 66
Candidate Starts for Mynx_12:
(Start: 66 @7336 has 101 MA's), (122, 7471), (164, 7639), (199, 7834), (206, 7852), (207, 7861),

Gene: MyraDee_12 Start: 9070, Stop: 9564, Start Num: 72
Candidate Starts for MyraDee_12:
(6, 8770), (7, 8782), (Start: 72 @9070 has 557 MA's), (162, 9367), (196, 9535),

Gene: Myxus_16 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for Myxus_16:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: NaSiaTalie_15 Start: 11656, Stop: 12180, Start Num: 72
Candidate Starts for NaSiaTalie_15:
(25, 11503), (Start: 53 @11620 has 19 MA's), (59, 11635), (Start: 72 @11656 has 557 MA's), (129, 11836), (157, 11956), (166, 11983), (190, 12121), (197, 12154), (200, 12163), (203, 12166),

Gene: Naca_12 Start: 10140, Stop: 10685, Start Num: 53
Candidate Starts for Naca_12:
(Start: 53 @10140 has 19 MA's), (Start: 72 @10173 has 557 MA's), (111, 10266), (153, 10461), (162, 10488), (174, 10557), (183, 10590), (196, 10656),

Gene: Naiad_11 Start: 7218, Stop: 7703, Start Num: 99

Candidate Starts for Naiad_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (176, 7572), (200, 7686),

Gene: Naji_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for Naji_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: Nancinator_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Nancinator_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Natosaleda_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Natosaleda_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: NearlyHeadless_12 Start: 9845, Stop: 10366, Start Num: 61
Candidate Starts for NearlyHeadless_12:
(Start: 61 @9845 has 20 MA's), (134, 10055), (145, 10112), (152, 10136), (169, 10190), (173, 10235), (188, 10295),

Gene: Nebs_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Nebs_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Nebulosus_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for Nebulosus_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: Nedarya_16 Start: 11336, Stop: 11842, Start Num: 72
Candidate Starts for Nedarya_16:
(Start: 72 @11336 has 557 MA's),

Gene: Neeharika16_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Neeharika16_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Neighly_10 Start: 7242, Stop: 7787, Start Num: 79
Candidate Starts for Neighly_10:
(Start: 74 @7221 has 13 MA's), (Start: 79 @7242 has 8 MA's), (Start: 83 @7257 has 13 MA's), (90, 7269), (164, 7554),

Gene: Nemo27_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Nemo27_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Neuvillette_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for Neuvillette_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: Neville_15 Start: 8829, Stop: 9452, Start Num: 44
Candidate Starts for Neville_15:

(29, 8778), (41, 8817), (Start: 44 @8829 has 5 MA's), (Start: 65 @8868 has 2 MA's), (85, 8925), (101, 8970), (114, 9021), (117, 9036), (139, 9150), (143, 9162), (152, 9207), (169, 9261), (174, 9309), (176, 9318), (193, 9414), (201, 9435),

Gene: Newrala_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Newrala_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Nibb_11 Start: 6227, Stop: 6772, Start Num: 67
Candidate Starts for Nibb_11:
(Start: 67 @6227 has 127 MA's), (170, 6572), (199, 6728), (206, 6746), (207, 6755),

Gene: NicoleTera_19 Start: 13368, Stop: 13889, Start Num: 72
Candidate Starts for NicoleTera_19:
(Start: 72 @13368 has 557 MA's), (96, 13422), (157, 13665), (166, 13692), (190, 13830),

Gene: Nikao_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Nikao_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Niklas_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for Niklas_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: NoShow_6 Start: 5050, Stop: 5676, Start Num: 52
Candidate Starts for NoShow_6:
(Start: 52 @5050 has 1 MA's), (119, 5263), (150, 5422), (168, 5479), (170, 5506),

Gene: Noella_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Noella_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Noelle_14 Start: 11003, Stop: 11515, Start Num: 72
Candidate Starts for Noelle_14:
(6, 10712), (13, 10763), (17, 10799), (18, 10802), (Start: 53 @10970 has 19 MA's), (Start: 72 @11003 has 557 MA's), (178, 11402),

Gene: Norbert_14 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Norbert_14:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: NorthStar_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for NorthStar_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Northrop_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Northrop_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: NotAPhaseMom_14 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for NotAPhaseMom_14:
(Start: 72 @10943 has 557 MA's), (114, 11054), (178, 11342),

Gene: NothingSpecial_17 Start: 13625, Stop: 14149, Start Num: 72
Candidate Starts for NothingSpecial_17:
(18, 13427), (Start: 53 @13589 has 19 MA's), (Start: 61 @13604 has 20 MA's), (Start: 72 @13625 has 557 MA's), (103, 13691), (107, 13712), (166, 13952), (190, 14090), (197, 14123),

Gene: November_10 Start: 7032, Stop: 7598, Start Num: 67
Candidate Starts for November_10:
(Start: 67 @7032 has 127 MA's), (152, 7326), (164, 7362), (206, 7572), (207, 7581),

Gene: Nutello_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Nutello_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Nyxis_14 Start: 10885, Stop: 11397, Start Num: 72
Candidate Starts for Nyxis_14:
(Start: 72 @10885 has 557 MA's), (114, 10996), (178, 11284),

Gene: ODay_6 Start: 4340, Stop: 4900, Start Num: 73
Candidate Starts for ODay_6:
(Start: 73 @4340 has 10 MA's), (115, 4481), (178, 4766), (186, 4805),

Gene: OKCentral2016_14 Start: 10403, Stop: 10924, Start Num: 72
Candidate Starts for OKCentral2016_14:
(Start: 61 @10382 has 20 MA's), (Start: 72 @10403 has 557 MA's), (180, 10817),

Gene: OKaNui_14 Start: 10705, Stop: 11217, Start Num: 72
Candidate Starts for OKaNui_14:
(6, 10414), (18, 10504), (Start: 53 @10672 has 19 MA's), (Start: 72 @10705 has 557 MA's), (114, 10816), (157, 11002), (178, 11104),

Gene: Obama12_14 Start: 10919, Stop: 11431, Start Num: 72
Candidate Starts for Obama12_14:
(Start: 53 @10886 has 19 MA's), (Start: 72 @10919 has 557 MA's), (114, 11030), (169, 11252), (178, 11318),

Gene: Octobien14_16 Start: 10060, Stop: 10689, Start Num: 44
Candidate Starts for Octobien14_16:
(29, 10003), (Start: 39 @10036 has 1 MA's), (42, 10057), (Start: 44 @10060 has 5 MA's), (Start: 54 @10084 has 2 MA's), (87, 10168), (124, 10306), (132, 10351), (169, 10501), (174, 10549), (175, 10555), (194, 10657), (201, 10672),

Gene: Odin_14 Start: 10423, Stop: 10947, Start Num: 72
Candidate Starts for Odin_14:
(Start: 72 @10423 has 557 MA's), (103, 10492), (121, 10564), (126, 10594), (162, 10738), (169, 10759), (190, 10885), (197, 10918), (200, 10927),

Gene: Ogopogo_7 Start: 4568, Stop: 5116, Start Num: 73
Candidate Starts for Ogopogo_7:
(2, 4145), (8, 4277), (19, 4352), (24, 4388), (30, 4451), (Start: 73 @4568 has 10 MA's), (108, 4673), (115, 4697), (146, 4856), (186, 5021),

Gene: Ohfah_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Ohfah_14:

(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: OkiRoe_10 Start: 7360, Stop: 7884, Start Num: 79
Candidate Starts for OkiRoe_10:
(Start: 40 @7255 has 4 MA's), (Start: 53 @7294 has 19 MA's), (Start: 74 @7339 has 13 MA's), (Start: 79 @7360 has 8 MA's), (Start: 83 @7375 has 13 MA's), (90, 7387), (164, 7660),

Gene: Oksu_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Oksu_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: OlanP_16 Start: 11255, Stop: 11758, Start Num: 72
Candidate Starts for OlanP_16:
(Start: 53 @11219 has 19 MA's), (Start: 61 @11234 has 20 MA's), (Start: 72 @11255 has 557 MA's), (130, 11432), (162, 11564), (166, 11576),

Gene: Ollie_16 Start: 10874, Stop: 11377, Start Num: 72
Candidate Starts for Ollie_16:
(Start: 53 @10838 has 19 MA's), (Start: 61 @10853 has 20 MA's), (Start: 72 @10874 has 557 MA's), (130, 11051), (162, 11183), (166, 11195),

Gene: OmniCritical_13 Start: 8444, Stop: 9016, Start Num: 67
Candidate Starts for OmniCritical_13:
(Start: 67 @8444 has 127 MA's), (149, 8732), (164, 8777),

Gene: Omnicron_10 Start: 6242, Stop: 6898, Start Num: 40
Candidate Starts for Omnicron_10:
(Start: 40 @6242 has 4 MA's), (Start: 53 @6281 has 19 MA's), (75, 6329), (Start: 84 @6365 has 1 MA's), (90, 6377), (164, 6665), (206, 6872),

Gene: Onglai_15 Start: 10633, Stop: 11166, Start Num: 72
Candidate Starts for Onglai_15:
(Start: 72 @10633 has 557 MA's), (95, 10681), (124, 10795), (157, 10936), (162, 10951), (166, 10963), (197, 11131), (198, 11134),

Gene: Oofda_17 Start: 10721, Stop: 11233, Start Num: 72
Candidate Starts for Oofda_17:
(Start: 72 @10721 has 557 MA's), (133, 10916),

Gene: Orange_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Orange_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Oscar_11 Start: 6172, Stop: 6729, Start Num: 67
Candidate Starts for Oscar_11:
(Start: 67 @6172 has 127 MA's), (199, 6685), (206, 6703), (207, 6712),

Gene: OwlsT2W_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for OwlsT2W_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: P28Green_16 Start: 11002, Stop: 11505, Start Num: 72
Candidate Starts for P28Green_16:

(Start: 53 @10966 has 19 MA's), (Start: 61 @10981 has 20 MA's), (Start: 72 @11002 has 557 MA's), (130, 11179), (162, 11311), (166, 11323),

Gene: PGHhamlin_18 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for PGHhamlin_18:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: PP_24 Start: 16745, Stop: 17263, Start Num: 72
Candidate Starts for PP_24:
(Start: 72 @16745 has 557 MA's), (129, 16928), (169, 17084), (170, 17108), (193, 17225), (194, 17228),

Gene: PackMan_16 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for PackMan_16:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Padfoot_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Padfoot_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Padpat_12 Start: 7316, Stop: 7858, Start Num: 66
Candidate Starts for Padpat_12:
(Start: 66 @7316 has 101 MA's), (122, 7451), (164, 7619), (199, 7814), (206, 7832), (207, 7841),

Gene: PainterBoy_16 Start: 11784, Stop: 12311, Start Num: 72
Candidate Starts for PainterBoy_16:
(15, 11562), (Start: 72 @11784 has 557 MA's), (166, 12105), (171, 12141),

Gene: Palestino_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Palestino_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Panamaxus_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Panamaxus_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Paola_10 Start: 7359, Stop: 7883, Start Num: 79
Candidate Starts for Paola_10:
(Start: 40 @7254 has 4 MA's), (Start: 53 @7293 has 19 MA's), (Start: 74 @7338 has 13 MA's), (Start: 79 @7359 has 8 MA's), (Start: 83 @7374 has 13 MA's), (90, 7386), (164, 7659),

Gene: Partridge_11 Start: 7262, Stop: 7747, Start Num: 99
Candidate Starts for Partridge_11:
(38, 7100), (Start: 99 @7262 has 36 MA's), (147, 7493), (168, 7559), (176, 7616),

Gene: Patt_13 Start: 8295, Stop: 8867, Start Num: 67
Candidate Starts for Patt_13:
(Start: 67 @8295 has 127 MA's), (149, 8583), (164, 8628),

Gene: Pawn_16 Start: 11075, Stop: 11578, Start Num: 72
Candidate Starts for Pawn_16:

(Start: 53 @11039 has 19 MA's), (Start: 61 @11054 has 20 MA's), (Start: 72 @11075 has 557 MA's), (130, 11252), (162, 11384), (166, 11396),

Gene: PeaceMeal1_13 Start: 8815, Stop: 9336, Start Num: 72
Candidate Starts for PeaceMeal1_13:
(Start: 61 @8794 has 20 MA's), (Start: 72 @8815 has 557 MA's), (129, 9001),

Gene: Peaches_14 Start: 10941, Stop: 11453, Start Num: 72
Candidate Starts for Peaches_14:
(Start: 53 @10908 has 19 MA's), (Start: 72 @10941 has 557 MA's), (114, 11052), (157, 11238), (178, 11340),

Gene: Peanam_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for Peanam_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: Peel_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Peel_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Pembroke_16 Start: 11004, Stop: 11507, Start Num: 72
Candidate Starts for Pembroke_16:
(Start: 53 @10968 has 19 MA's), (Start: 61 @10983 has 20 MA's), (Start: 72 @11004 has 557 MA's), (130, 11181), (162, 11313), (166, 11325),

Gene: Penny1_16 Start: 10982, Stop: 11506, Start Num: 61
Candidate Starts for Penny1_16:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Peridot_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Peridot_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Periwinkle_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Periwinkle_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Perplexer_14 Start: 10943, Stop: 11455, Start Num: 72
Candidate Starts for Perplexer_14:
(Start: 53 @10910 has 19 MA's), (Start: 72 @10943 has 557 MA's), (114, 11054), (137, 11165), (178, 11342),

Gene: PeterPeter_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for PeterPeter_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Petersenfast_15 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Petersenfast_15:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: PetiteSangsue_14 Start: 10949, Stop: 11461, Start Num: 72

Candidate Starts for PetiteSangsue_14:
(Start: 53 @10916 has 19 MA's), (Start: 72 @10949 has 557 MA's), (114, 11060), (137, 11171), (178, 11348),

Gene: PetterN_13 Start: 10060, Stop: 10572, Start Num: 72
Candidate Starts for PetterN_13:
(Start: 53 @10027 has 19 MA's), (Start: 72 @10060 has 557 MA's), (111, 10153), (153, 10348), (162, 10375), (174, 10444), (183, 10477), (196, 10543),

Gene: Ph8s_16 Start: 10384, Stop: 10908, Start Num: 72
Candidate Starts for Ph8s_16:
(Start: 72 @10384 has 557 MA's), (95, 10435), (103, 10453), (121, 10525), (126, 10555), (135, 10591), (162, 10699), (166, 10711), (169, 10720), (190, 10846), (197, 10879), (200, 10888),

Gene: Phabuloso_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for Phabuloso_6:
(5, 3985), (8, 4027), (12, 4060), (16, 4096), (22, 4120), (24, 4141), (Start: 58 @4294 has 3 MA's), (Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: Phacado_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Phacado_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Phaded_18 Start: 13709, Stop: 14218, Start Num: 72
Candidate Starts for Phaded_18:
(Start: 72 @13709 has 557 MA's), (157, 13997), (166, 14024), (190, 14162),

Gene: Phaeder_16 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for Phaeder_16:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: PhailMary_10 Start: 7269, Stop: 7754, Start Num: 99
Candidate Starts for PhailMary_10:
(38, 7107), (Start: 99 @7269 has 36 MA's), (147, 7500), (168, 7566), (176, 7623),

Gene: Phantastic_14 Start: 10509, Stop: 11030, Start Num: 72
Candidate Starts for Phantastic_14:
(Start: 72 @10509 has 557 MA's), (129, 10683), (153, 10791), (166, 10830), (203, 11001),

Gene: Pharaoh_15 Start: 12042, Stop: 12578, Start Num: 72
Candidate Starts for Pharaoh_15:
(Start: 72 @12042 has 557 MA's), (121, 12180), (131, 12225), (147, 12306), (157, 12339), (198, 12543), (202, 12552),

Gene: Pharb_11 Start: 7169, Stop: 7717, Start Num: 82
Candidate Starts for Pharb_11:
(49, 7088), (Start: 53 @7094 has 19 MA's), (Start: 82 @7169 has 7 MA's), (88, 7184), (164, 7481), (207, 7700),

Gene: Phelipe_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Phelipe_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: PhelpsODU_11 Start: 6278, Stop: 6850, Start Num: 67
Candidate Starts for PhelpsODU_11:
(20, 6080), (47, 6236), (Start: 67 @6278 has 127 MA's), (164, 6617), (170, 6656), (199, 6806), (206, 6824),

Gene: Phighter1804_14 Start: 10917, Stop: 11429, Start Num: 72
Candidate Starts for Phighter1804_14:
(Start: 53 @10884 has 19 MA's), (Start: 72 @10917 has 557 MA's), (114, 11028), (157, 11214), (178, 11316),

Gene: Phillis_12 Start: 9803, Stop: 10324, Start Num: 61
Candidate Starts for Phillis_12:
(Start: 61 @9803 has 20 MA's), (134, 10013), (145, 10070), (152, 10094), (169, 10148), (173, 10193), (188, 10253),

Gene: PhishRPhriends_15 Start: 10266, Stop: 10769, Start Num: 72
Candidate Starts for PhishRPhriends_15:
(Start: 53 @10230 has 19 MA's), (Start: 61 @10245 has 20 MA's), (Start: 72 @10266 has 557 MA's), (130, 10443), (153, 10548), (162, 10575), (166, 10587),

Gene: Phistory_6 Start: 4325, Stop: 4867, Start Num: 76
Candidate Starts for Phistory_6:
(5, 3986), (8, 4028), (10, 4034), (12, 4061), (14, 4067), (22, 4121), (24, 4142), (Start: 58 @4295 has 3 MA's), (Start: 76 @4325 has 17 MA's), (118, 4469), (132, 4541), (167, 4661), (186, 4775),

Gene: Phlei_11 Start: 12163, Stop: 12693, Start Num: 72
Candidate Starts for Phlei_11:
(Start: 61 @12142 has 20 MA's), (Start: 72 @12163 has 557 MA's), (121, 12307), (140, 12400), (149, 12442), (166, 12493), (172, 12538), (182, 12589), (190, 12634), (203, 12679),

Gene: Phlorence_12 Start: 10371, Stop: 10880, Start Num: 72
Candidate Starts for Phlorence_12:
(Start: 72 @10371 has 557 MA's), (111, 10461), (144, 10614), (153, 10656), (162, 10683), (169, 10704), (174, 10752),

Gene: Phoebe_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Phoebe_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Phonnegut_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Phonnegut_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: Phontbonne_14 Start: 10886, Stop: 11398, Start Num: 72
Candidate Starts for Phontbonne_14:
(Start: 72 @10886 has 557 MA's), (114, 10997), (157, 11183), (178, 11285),

Gene: Phoxy_16 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for Phoxy_16:

(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: Phrank_11 Start: 6234, Stop: 6800, Start Num: 67
Candidate Starts for Phrank_11:
(Start: 67 @6234 has 127 MA's), (164, 6567), (170, 6606), (207, 6783),

Gene: Phrankenstein_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Phrankenstein_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Phranny_17 Start: 11073, Stop: 11576, Start Num: 72
Candidate Starts for Phranny_17:
(Start: 53 @11037 has 19 MA's), (Start: 61 @11052 has 20 MA's), (Start: 72 @11073 has 557 MA's), (130, 11250), (162, 11382), (166, 11394),

Gene: Piatt_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Piatt_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: PickleBack_12 Start: 10082, Stop: 10594, Start Num: 72
Candidate Starts for PickleBack_12:
(32, 9983), (Start: 53 @10049 has 19 MA's), (Start: 72 @10082 has 557 MA's), (111, 10175), (153, 10370), (162, 10397), (174, 10466), (183, 10499), (196, 10565),

Gene: Pioneer_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Pioneer_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: Pipcraft_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Pipcraft_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Piper2020_6 Start: 4411, Stop: 4947, Start Num: 67
Candidate Starts for Piper2020_6:
(Start: 67 @4411 has 127 MA's), (134, 4633), (154, 4702), (156, 4711), (164, 4729), (179, 4813), (207, 4930),

Gene: Piro94_16 Start: 12117, Stop: 12641, Start Num: 72
Candidate Starts for Piro94_16:
(Start: 53 @12081 has 19 MA's), (59, 12096), (Start: 72 @12117 has 557 MA's), (145, 12378), (190, 12582), (197, 12615),

Gene: Pisa1_11 Start: 7079, Stop: 7612, Start Num: 66
Candidate Starts for Pisa1_11:
(Start: 66 @7079 has 101 MA's), (122, 7208), (164, 7376), (206, 7586), (207, 7595),

Gene: Pisa4_11 Start: 7079, Stop: 7612, Start Num: 66
Candidate Starts for Pisa4_11:
(Start: 66 @7079 has 101 MA's), (122, 7208), (164, 7376), (206, 7586), (207, 7595),

Gene: Pistachio_15 Start: 10093, Stop: 10614, Start Num: 72

Candidate Starts for Pistachio_15:
(Start: 72 @10093 has 557 MA's), (129, 10267), (153, 10375), (166, 10414), (203, 10585),

Gene: Pitbull_5 Start: 3934, Stop: 4455, Start Num: 74
Candidate Starts for Pitbull_5:
(Start: 74 @3934 has 13 MA's), (130, 4144), (134, 4165),

Gene: Pixie_11 Start: 7042, Stop: 7626, Start Num: 69
Candidate Starts for Pixie_11:
(Start: 69 @7042 has 12 MA's), (Start: 82 @7078 has 7 MA's), (152, 7354), (164, 7390), (207, 7609),

Gene: Plumbus_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Plumbus_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Pmask_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for Pmask_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: Pocahontas_15 Start: 11090, Stop: 11599, Start Num: 72
Candidate Starts for Pocahontas_15:
(31, 10985), (Start: 72 @11090 has 557 MA's), (153, 11372), (166, 11411), (196, 11570),

Gene: Pokerus_11 Start: 7270, Stop: 7812, Start Num: 66
Candidate Starts for Pokerus_11:
(Start: 66 @7270 has 101 MA's), (122, 7405), (164, 7573), (199, 7768), (206, 7786), (207, 7795),

Gene: Pollywog_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Pollywog_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (164, 4726), (179, 4810), (207, 4927),

Gene: Polymorphads_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Polymorphads_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Polyphemus_18 Start: 11669, Stop: 12199, Start Num: 72
Candidate Starts for Polyphemus_18:
(Start: 72 @11669 has 557 MA's), (121, 11813), (140, 11906), (144, 11918), (172, 12044),

Gene: Pomar16_18 Start: 11530, Stop: 12087, Start Num: 53
Candidate Starts for Pomar16_18:
(Start: 53 @11530 has 19 MA's), (Start: 61 @11545 has 20 MA's), (Start: 72 @11566 has 557 MA's), (95, 11617), (162, 11881), (169, 11902), (197, 12061),

Gene: Poompha_13 Start: 8813, Stop: 9334, Start Num: 72
Candidate Starts for Poompha_13:
(Start: 61 @8792 has 20 MA's), (Start: 72 @8813 has 557 MA's), (129, 8999),

Gene: Popcicle_15 Start: 11090, Stop: 11599, Start Num: 72
Candidate Starts for Popcicle_15:
(31, 10985), (Start: 72 @11090 has 557 MA's), (153, 11372), (166, 11411), (196, 11570),

Gene: PotatoSplit_17 Start: 10967, Stop: 11506, Start Num: 53
Candidate Starts for PotatoSplit_17:
(Start: 53 @10967 has 19 MA's), (Start: 61 @10982 has 20 MA's), (Start: 72 @11003 has 557 MA's), (130, 11180), (162, 11312), (166, 11324),

Gene: Power_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for Power_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: Priamo_18 Start: 11695, Stop: 12225, Start Num: 72
Candidate Starts for Priamo_18:
(Start: 72 @11695 has 557 MA's), (121, 11839), (140, 11932), (144, 11944), (172, 12070),

Gene: Prinashe11_13 Start: 10231, Stop: 10740, Start Num: 72
Candidate Starts for Prinashe11_13:
(Start: 72 @10231 has 557 MA's), (111, 10321), (144, 10474), (153, 10516), (162, 10543), (169, 10564), (174, 10612),

Gene: Prithvi_12 Start: 7280, Stop: 7822, Start Num: 66
Candidate Starts for Prithvi_12:
(Start: 66 @7280 has 101 MA's), (122, 7415), (164, 7583), (199, 7778), (206, 7796), (207, 7805),

Gene: Priya_16 Start: 12298, Stop: 12831, Start Num: 72
Candidate Starts for Priya_16:
(Start: 72 @12298 has 557 MA's), (95, 12346), (124, 12460), (157, 12601), (162, 12616), (166, 12628), (197, 12796), (198, 12799),

Gene: Prudy_17 Start: 13417, Stop: 13938, Start Num: 72
Candidate Starts for Prudy_17:
(60, 13396), (Start: 72 @13417 has 557 MA's), (162, 13729), (190, 13879),

Gene: Psycho_10 Start: 7388, Stop: 7918, Start Num: 83
Candidate Starts for Psycho_10:
(Start: 74 @7352 has 13 MA's), (Start: 79 @7373 has 8 MA's), (Start: 83 @7388 has 13 MA's), (90, 7400), (164, 7685),

Gene: Pukovnik_17 Start: 13276, Stop: 13785, Start Num: 72
Candidate Starts for Pukovnik_17:
(Start: 72 @13276 has 557 MA's), (129, 13444), (157, 13564), (166, 13591), (190, 13729),

Gene: Pumbaa_14 Start: 10914, Stop: 11426, Start Num: 72
Candidate Starts for Pumbaa_14:
(Start: 72 @10914 has 557 MA's), (114, 11025), (147, 11178), (178, 11313),

Gene: Puppy_15 Start: 10165, Stop: 10686, Start Num: 72
Candidate Starts for Puppy_15:
(Start: 72 @10165 has 557 MA's), (129, 10339), (153, 10447), (166, 10486), (203, 10657),

Gene: PurpleHaze_16 Start: 11074, Stop: 11577, Start Num: 72
Candidate Starts for PurpleHaze_16:
(Start: 53 @11038 has 19 MA's), (Start: 61 @11053 has 20 MA's), (Start: 72 @11074 has 557 MA's), (130, 11251), (162, 11383), (166, 11395),

Gene: Qhanda_13 Start: 8553, Stop: 9125, Start Num: 67
Candidate Starts for Qhanda_13:
(Start: 67 @8553 has 127 MA's), (149, 8841), (164, 8886),

Gene: Qobbit_16 Start: 12297, Stop: 12830, Start Num: 72
Candidate Starts for Qobbit_16:
(Start: 72 @12297 has 557 MA's), (95, 12345), (124, 12459), (157, 12600), (162, 12615), (166, 12627), (197, 12795), (198, 12798),

Gene: QueenB2_15 Start: 11633, Stop: 12145, Start Num: 72
Candidate Starts for QueenB2_15:
(Start: 53 @11597 has 19 MA's), (Start: 61 @11612 has 20 MA's), (Start: 72 @11633 has 557 MA's), (157, 11921), (166, 11948), (190, 12086),

Gene: QueenBeesly_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for QueenBeesly_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: Quico_6 Start: 4403, Stop: 4939, Start Num: 67
Candidate Starts for Quico_6:
(Start: 67 @4403 has 127 MA's), (154, 4694), (156, 4703), (207, 4922),

Gene: QuincyRose_11 Start: 7333, Stop: 7875, Start Num: 66
Candidate Starts for QuincyRose_11:
(Start: 66 @7333 has 101 MA's), (122, 7468), (164, 7636), (199, 7831), (206, 7849), (207, 7858),

Gene: QuinnKiro_14 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for QuinnKiro_14:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Quokka_13 Start: 10524, Stop: 11048, Start Num: 72
Candidate Starts for Quokka_13:
(Start: 52 @10488 has 1 MA's), (59, 10503), (Start: 72 @10524 has 557 MA's), (95, 10575), (121, 10665), (126, 10695), (162, 10839), (169, 10860), (190, 10989), (197, 11022),

Gene: RER2_4 Start: 4090, Stop: 4575, Start Num: 99
Candidate Starts for RER2_4:
(38, 3928), (Start: 99 @4090 has 36 MA's), (147, 4321), (168, 4387), (176, 4444), (200, 4558),

Gene: RGL3_4 Start: 4079, Stop: 4564, Start Num: 99
Candidate Starts for RGL3_4:
(Start: 99 @4079 has 36 MA's), (124, 4202), (136, 4262), (147, 4310), (168, 4376), (176, 4433),

Gene: Rabbitrun_17 Start: 9317, Stop: 9976, Start Num: 35
Candidate Starts for Rabbitrun_17:
(Start: 35 @9317 has 1 MA's), (41, 9335), (Start: 44 @9347 has 5 MA's), (114, 9545), (117, 9560), (139, 9674), (152, 9731), (169, 9785), (174, 9833), (176, 9842), (195, 9944),

Gene: Rachaly_18 Start: 13308, Stop: 13817, Start Num: 72
Candidate Starts for Rachaly_18:
(Start: 72 @13308 has 557 MA's), (121, 13443), (157, 13602), (162, 13617), (190, 13761),

Gene: Rahalelujah_14 Start: 10342, Stop: 10866, Start Num: 72
Candidate Starts for Rahalelujah_14:
(Start: 72 @10342 has 557 MA's), (103, 10405), (111, 10441), (197, 10831), (198, 10834),

Gene: Ramen_12 Start: 7313, Stop: 7855, Start Num: 66
Candidate Starts for Ramen_12:
(Start: 66 @7313 has 101 MA's), (122, 7448), (164, 7616), (199, 7811), (206, 7829), (207, 7838),

Gene: Ramsey_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Ramsey_6:
(Start: 67 @4408 has 127 MA's), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Rando14_10 Start: 6393, Stop: 6926, Start Num: 84
Candidate Starts for Rando14_10:
(75, 6357), (Start: 84 @6393 has 1 MA's), (90, 6405), (164, 6693), (173, 6753), (206, 6900),

Gene: Rapunzel97_12 Start: 7314, Stop: 7856, Start Num: 67
Candidate Starts for Rapunzel97_12:
(23, 7131), (Start: 67 @7314 has 127 MA's), (122, 7449), (164, 7617), (199, 7812), (206, 7830), (207, 7839),

Gene: Raqqa_6 Start: 4752, Stop: 5333, Start Num: 43
Candidate Starts for Raqqa_6:
(Start: 43 @4752 has 1 MA's), (Start: 67 @4800 has 127 MA's), (81, 4848), (115, 4962), (152, 5124),

Gene: Rasputin_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Rasputin_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Ravana_17 Start: 10714, Stop: 11223, Start Num: 72
Candidate Starts for Ravana_17:
(Start: 72 @10714 has 557 MA's),

Gene: ReMo_17 Start: 10750, Stop: 11262, Start Num: 72
Candidate Starts for ReMo_17:
(Start: 72 @10750 has 557 MA's), (133, 10945),

Gene: Reba_17 Start: 10746, Stop: 11249, Start Num: 72
Candidate Starts for Reba_17:
(Start: 53 @10710 has 19 MA's), (Start: 61 @10725 has 20 MA's), (Start: 72 @10746 has 557 MA's), (130, 10923), (162, 11055), (166, 11067),

Gene: Rebeuca_15 Start: 10862, Stop: 11404, Start Num: 61
Candidate Starts for Rebeuca_15:
(Start: 61 @10862 has 20 MA's), (Start: 72 @10883 has 557 MA's), (105, 10970),

Gene: RedRock_18 Start: 13548, Stop: 14060, Start Num: 72
Candidate Starts for RedRock_18:
(Start: 53 @13509 has 19 MA's), (Start: 72 @13548 has 557 MA's), (103, 13608), (169, 13875), (190, 14001),

Gene: Refuge_18 Start: 13883, Stop: 14416, Start Num: 72

Candidate Starts for Refuge_18:
(Start: 72 @13883 has 557 MA's), (121, 14021), (131, 14066), (157, 14180), (194, 14369),

Gene: Relief_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Relief_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Remus_17 Start: 10711, Stop: 11223, Start Num: 72
Candidate Starts for Remus_17:
(Start: 72 @10711 has 557 MA's), (133, 10906),

Gene: Reptar3000_13 Start: 8297, Stop: 8869, Start Num: 67
Candidate Starts for Reptar3000_13:
(Start: 67 @8297 has 127 MA's), (149, 8585), (164, 8630),

Gene: ResDef_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for ResDef_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Retro23_15 Start: 11716, Stop: 12228, Start Num: 72
Candidate Starts for Retro23_15:
(Start: 53 @11680 has 19 MA's), (Start: 61 @11695 has 20 MA's), (Start: 72 @11716 has 557 MA's), (157, 12004), (166, 12031), (190, 12169),

Gene: RexFury_11 Start: 7249, Stop: 7734, Start Num: 99
Candidate Starts for RexFury_11:
(38, 7087), (Start: 99 @7249 has 36 MA's), (147, 7480), (168, 7546), (176, 7603), (200, 7717),

Gene: Rhodalysa_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Rhodalysa_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: RhynO_15 Start: 10861, Stop: 11382, Start Num: 72
Candidate Starts for RhynO_15:
(Start: 61 @10840 has 20 MA's), (Start: 72 @10861 has 557 MA's), (105, 10948),

Gene: Rialto_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Rialto_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Richo_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for Richo_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: Rifter_18 Start: 11654, Stop: 12175, Start Num: 72
Candidate Starts for Rifter_18:
(31, 11558), (Start: 72 @11654 has 557 MA's), (95, 11702), (121, 11789), (144, 11894), (172, 12020),

Gene: Roary_12 Start: 9807, Stop: 10313, Start Num: 74
Candidate Starts for Roary_12:
(Start: 74 @9807 has 13 MA's), (134, 9999), (145, 10056), (152, 10080), (162, 10113), (169, 10134), (188, 10239),

Gene: Roberts_7 Start: 4967, Stop: 5473, Start Num: 70
Candidate Starts for Roberts_7:
(Start: 70 @4967 has 11 MA's), (129, 5153), (154, 5246),

Gene: RockieBear_13 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for RockieBear_13:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Rocksand_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Rocksand_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Rockstar_14 Start: 10418, Stop: 10942, Start Num: 72
Candidate Starts for Rockstar_14:
(Start: 53 @10382 has 19 MA's), (Start: 72 @10418 has 557 MA's), (129, 10595), (153, 10703), (166, 10742),

Gene: RockyHorror_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for RockyHorror_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Roimos_14 Start: 10515, Stop: 11036, Start Num: 72
Candidate Starts for Roimos_14:
(Start: 72 @10515 has 557 MA's), (129, 10689), (153, 10797), (166, 10836), (203, 11007),

Gene: Roksolana_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Roksolana_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: Romney_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Romney_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Ronaldo_41 Start: 14655, Stop: 15221, Start Num: 79
Candidate Starts for Ronaldo_41:
(36, 14538), (Start: 79 @14655 has 8 MA's), (112, 14763), (158, 14985), (170, 15045), (191, 15156),

Gene: Roosevelt_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Roosevelt_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Rosa24_13 Start: 10915, Stop: 11427, Start Num: 72
Candidate Starts for Rosa24_13:
(Start: 53 @10882 has 19 MA's), (Start: 72 @10915 has 557 MA's), (114, 11026), (169, 11248), (178, 11314),

Gene: Rosalind_17 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for Rosalind_17:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: Rosmarinus_12 Start: 7345, Stop: 7887, Start Num: 66

Candidate Starts for Rosmarinus_12:
(Start: 66 @7345 has 101 MA's), (122, 7480), (164, 7648), (199, 7843), (206, 7861), (207, 7870),

Gene: Rossetti_7 Start: 5422, Stop: 6027, Start Num: 69
Candidate Starts for Rossetti_7:
(56, 5395), (62, 5407), (Start: 69 @5422 has 12 MA's), (115, 5560), (153, 5743), (159, 5764), (176, 5851), (192, 5932), (204, 5971),

Gene: Rowdy_17 Start: 10772, Stop: 11293, Start Num: 72
Candidate Starts for Rowdy_17:
(Start: 61 @10751 has 20 MA's), (Start: 72 @10772 has 557 MA's), (105, 10859),

Gene: Ruin_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Ruin_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Rummer_16 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for Rummer_16:
(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: Ruthiejr_12 Start: 8151, Stop: 8723, Start Num: 67
Candidate Starts for Ruthiejr_12:
(21, 7971), (Start: 67 @8151 has 127 MA's), (149, 8439), (164, 8484),

Gene: RyeScarlet_17 Start: 12303, Stop: 12836, Start Num: 72
Candidate Starts for RyeScarlet_17:
(Start: 72 @12303 has 557 MA's), (95, 12351), (124, 12465), (157, 12606), (162, 12621), (166, 12633), (197, 12801), (198, 12804),

Gene: Sabertooth_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Sabertooth_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Sabia_16 Start: 10960, Stop: 11499, Start Num: 53
Candidate Starts for Sabia_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (162, 11305), (166, 11317),

Gene: Sabinator_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Sabinator_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Sachima_14 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for Sachima_14:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Saintus_12 Start: 9818, Stop: 10330, Start Num: 74
Candidate Starts for Saintus_12:
(Start: 74 @9818 has 13 MA's), (134, 10019), (145, 10076), (152, 10100), (169, 10154), (173, 10199), (188, 10259),

Gene: Salvus_9 Start: 6114, Stop: 6710, Start Num: 54
Candidate Starts for Salvus_9:
(Start: 54 @6114 has 2 MA's), (100, 6237), (116, 6306), (147, 6456), (159, 6495),

Gene: Salz_15 Start: 12149, Stop: 12670, Start Num: 72
Candidate Starts for Salz_15:
(59, 12128), (Start: 72 @12149 has 557 MA's), (95, 12200), (114, 12263), (157, 12449),

Gene: SamScheppers_11 Start: 8060, Stop: 8632, Start Num: 67
Candidate Starts for SamScheppers_11:
(Start: 67 @8060 has 127 MA's), (149, 8348), (164, 8393),

Gene: Samty_8 Start: 5538, Stop: 6137, Start Num: 69
Candidate Starts for Samty_8:
(Start: 69 @5538 has 12 MA's), (128, 5724), (143, 5799), (145, 5820), (174, 5946), (192, 6036),

Gene: SamuelLPlaqson_12 Start: 7263, Stop: 7805, Start Num: 66
Candidate Starts for SamuelLPlaqson_12:
(Start: 66 @7263 has 101 MA's), (122, 7398), (164, 7566), (199, 7761), (206, 7779), (207, 7788),

Gene: Sarma624_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Sarma624_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Saskia_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Saskia_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: SaturnRing_14 Start: 10546, Stop: 11067, Start Num: 72
Candidate Starts for SaturnRing_14:
(Start: 72 @10546 has 557 MA's), (129, 10720), (153, 10828), (166, 10867), (203, 11038),

Gene: Scamp_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Scamp_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Scarlett_11 Start: 6171, Stop: 6728, Start Num: 67
Candidate Starts for Scarlett_11:
(Start: 67 @6171 has 127 MA's), (199, 6684), (206, 6702), (207, 6711),

Gene: Scherzo_16 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Scherzo_16:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: Scorpia_13 Start: 10061, Stop: 10573, Start Num: 72
Candidate Starts for Scorpia_13:
(Start: 53 @10028 has 19 MA's), (Start: 72 @10061 has 557 MA's), (111, 10154), (153, 10349), (162, 10376), (174, 10445), (183, 10478), (196, 10544),

Gene: Scout_14 Start: 9841, Stop: 10365, Start Num: 72
Candidate Starts for Scout_14:

(Start: 72 @9841 has 557 MA's), (129, 10018), (153, 10126), (166, 10165),

Gene: Seagreen_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Seagreen_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: SemperFi_17 Start: 11993, Stop: 12505, Start Num: 72
Candidate Starts for SemperFi_17:
(Start: 53 @11957 has 19 MA's), (Start: 61 @11972 has 20 MA's), (Start: 72 @11993 has 557 MA's), (157, 12281), (166, 12308), (169, 12317), (190, 12446), (197, 12479),

Gene: SenorClean_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for SenorClean_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Sephiroth_16 Start: 9096, Stop: 9794, Start Num: 28
Candidate Starts for Sephiroth_16:
(Start: 28 @9096 has 1 MA's), (Start: 39 @9138 has 1 MA's), (42, 9159), (Start: 44 @9162 has 5 MA's), (Start: 54 @9186 has 2 MA's), (102, 9312), (132, 9456), (139, 9495), (155, 9564), (169, 9606), (174, 9654), (175, 9660), (199, 9774), (201, 9777),

Gene: Serenity_14 Start: 10524, Stop: 11048, Start Num: 72
Candidate Starts for Serenity_14:
(Start: 52 @10488 has 1 MA's), (59, 10503), (Start: 72 @10524 has 557 MA's), (95, 10575), (121, 10665), (126, 10695), (162, 10839), (169, 10860), (190, 10989), (197, 11022),

Gene: Severus_13 Start: 8792, Stop: 9334, Start Num: 61
Candidate Starts for Severus_13:
(Start: 61 @8792 has 20 MA's), (Start: 72 @8813 has 557 MA's), (129, 8999),

Gene: SgtBeansprout_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for SgtBeansprout_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Shadow1_10 Start: 6145, Stop: 6711, Start Num: 67
Candidate Starts for Shadow1_10:
(Start: 67 @6145 has 127 MA's), (170, 6517), (207, 6694),

Gene: Shaka_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Shaka_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Sham4_15 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Sham4_15:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: Shaobing_12 Start: 6376, Stop: 6936, Start Num: 66
Candidate Starts for Shaobing_12:
(Start: 61 @6370 has 20 MA's), (Start: 66 @6376 has 101 MA's), (122, 6532), (164, 6700), (206, 6910),

Gene: Shapes_17 Start: 10772, Stop: 11293, Start Num: 72
Candidate Starts for Shapes_17:
(Start: 61 @10751 has 20 MA's), (Start: 72 @10772 has 557 MA's), (105, 10859),

Gene: ShawBrad_6 Start: 4327, Stop: 4875, Start Num: 76
Candidate Starts for ShawBrad_6:
(Start: 76 @4327 has 17 MA's), (118, 4480), (173, 4723), (186, 4786),

Gene: ShayRa_18 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for ShayRa_18:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: SheaKeira_15 Start: 10521, Stop: 11054, Start Num: 72
Candidate Starts for SheaKeira_15:
(Start: 61 @10500 has 20 MA's), (Start: 72 @10521 has 557 MA's), (95, 10572), (103, 10590), (140, 10755), (166, 10848),

Gene: ShedlockHolmes_11 Start: 7290, Stop: 7874, Start Num: 69
Candidate Starts for ShedlockHolmes_11:
(Start: 69 @7290 has 12 MA's), (Start: 82 @7326 has 7 MA's), (152, 7602), (164, 7638), (207, 7857),

Gene: Sheen_16 Start: 12621, Stop: 13130, Start Num: 72
Candidate Starts for Sheen_16:
(48, 12576), (Start: 61 @12600 has 20 MA's), (Start: 72 @12621 has 557 MA's), (144, 12861), (165, 12939), (166, 12942), (176, 13005), (177, 13008),

Gene: SheldonCooper_14 Start: 10918, Stop: 11430, Start Num: 72
Candidate Starts for SheldonCooper_14:
(Start: 53 @10885 has 19 MA's), (Start: 72 @10918 has 557 MA's), (114, 11029), (169, 11251), (178, 11317),

Gene: Shep_14 Start: 9796, Stop: 10320, Start Num: 72
Candidate Starts for Shep_14:
(Start: 72 @9796 has 557 MA's), (129, 9973), (153, 10081), (166, 10120),

Gene: ShiaSurprise_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for ShiaSurprise_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Shuman_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Shuman_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Shygu2_14 Start: 10943, Stop: 11458, Start Num: 72
Candidate Starts for Shygu2_14:
(Start: 53 @10910 has 19 MA's), (Start: 72 @10943 has 557 MA's), (137, 11168), (178, 11345),

Gene: SilverChicken_6 Start: 4307, Stop: 4855, Start Num: 73
Candidate Starts for SilverChicken_6:
(34, 4205), (Start: 73 @4307 has 10 MA's), (108, 4412), (115, 4436), (146, 4595), (186, 4760),

Gene: SimranZ1_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for SimranZ1_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: SirPhilip_11 Start: 6046, Stop: 6564, Start Num: 82

Candidate Starts for SirPhilip_11:
(Start: 82 @6046 has 7 MA's), (122, 6163), (203, 6529), (206, 6538), (207, 6547),

Gene: Skadoosh_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Skadoosh_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Skipitt_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Skipitt_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Sknot_15 Start: 11659, Stop: 12183, Start Num: 72
Candidate Starts for Sknot_15:
(25, 11506), (Start: 53 @11623 has 19 MA's), (59, 11638), (Start: 72 @11659 has 557 MA's), (129, 11839), (157, 11959), (166, 11986), (190, 12124), (197, 12157), (200, 12166), (203, 12169),

Gene: Slarp_13 Start: 8544, Stop: 9116, Start Num: 67
Candidate Starts for Slarp_13:
(Start: 67 @8544 has 127 MA's), (149, 8832), (164, 8877),

Gene: Slim_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Slim_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Slimphazie_12 Start: 7314, Stop: 7856, Start Num: 67
Candidate Starts for Slimphazie_12:
(23, 7131), (Start: 67 @7314 has 127 MA's), (122, 7449), (164, 7617), (199, 7812), (206, 7830), (207, 7839),

Gene: Smeadley_12 Start: 9840, Stop: 10346, Start Num: 74
Candidate Starts for Smeadley_12:
(Start: 74 @9840 has 13 MA's), (134, 10032), (145, 10089), (152, 10113), (162, 10146), (169, 10167), (188, 10272),

Gene: Smeagan_17 Start: 12063, Stop: 12590, Start Num: 72
Candidate Starts for Smeagan_17:
(Start: 72 @12063 has 557 MA's), (157, 12363), (162, 12378), (190, 12531), (197, 12564),

Gene: SmellyB_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for SmellyB_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: SnapTap_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for SnapTap_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: Snape_15 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Snape_15:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: Snickers_16 Start: 10977, Stop: 11480, Start Num: 72

Candidate Starts for Snickers_16:
(Start: 53 @10941 has 19 MA's), (Start: 61 @10956 has 20 MA's), (Start: 72 @10977 has 557 MA's), (130, 11154), (162, 11286), (166, 11298),

Gene: SoSeph_10 Start: 7501, Stop: 8010, Start Num: 83
Candidate Starts for SoSeph_10:
(Start: 40 @7381 has 4 MA's), (Start: 53 @7420 has 19 MA's), (Start: 74 @7465 has 13 MA's), (Start: 79 @7486 has 8 MA's), (Start: 83 @7501 has 13 MA's), (90, 7513), (164, 7786),

Gene: SoYo_16 Start: 10914, Stop: 11417, Start Num: 72
Candidate Starts for SoYo_16:
(Start: 53 @10878 has 19 MA's), (Start: 61 @10893 has 20 MA's), (Start: 72 @10914 has 557 MA's), (130, 11091), (162, 11223), (166, 11235),

Gene: SoilDragon_16 Start: 10652, Stop: 11191, Start Num: 53
Candidate Starts for SoilDragon_16:
(Start: 53 @10652 has 19 MA's), (Start: 61 @10667 has 20 MA's), (Start: 72 @10688 has 557 MA's), (130, 10865), (162, 10997), (166, 11009),

Gene: SororFago_14 Start: 10687, Stop: 11214, Start Num: 72
Candidate Starts for SororFago_14:
(Start: 72 @10687 has 557 MA's), (124, 10855), (140, 10930), (176, 11086), (190, 11158),

Gene: Soshari_18 Start: 11086, Stop: 11589, Start Num: 72
Candidate Starts for Soshari_18:
(Start: 53 @11050 has 19 MA's), (Start: 61 @11065 has 20 MA's), (Start: 72 @11086 has 557 MA's), (130, 11263), (162, 11395), (166, 11407),

Gene: Soul22_6 Start: 4306, Stop: 4854, Start Num: 73
Candidate Starts for Soul22_6:
(2, 3883), (8, 4015), (11, 4039), (19, 4090), (24, 4126), (30, 4189), (Start: 73 @4306 has 10 MA's), (108, 4411), (115, 4435), (146, 4594), (186, 4759),

Gene: Soups_17 Start: 10872, Stop: 11384, Start Num: 72
Candidate Starts for Soups_17:
(Start: 72 @10872 has 557 MA's), (133, 11067),

Gene: Spartoi_5 Start: 4178, Stop: 4681, Start Num: 71
Candidate Starts for Spartoi_5:
(Start: 71 @4178 has 1 MA's), (189, 4622),

Gene: Sparxx_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Sparxx_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Spike509_16 Start: 11087, Stop: 11590, Start Num: 72
Candidate Starts for Spike509_16:
(Start: 53 @11051 has 19 MA's), (Start: 61 @11066 has 20 MA's), (Start: 72 @11087 has 557 MA's), (130, 11264), (162, 11396), (166, 11408),

Gene: Spikelee_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Spikelee_6:

(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Spino_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Spino_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Spock_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Spock_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Spooky_6 Start: 4301, Stop: 4870, Start Num: 58
Candidate Starts for Spooky_6:
(Start: 58 @4301 has 3 MA's), (Start: 76 @4331 has 17 MA's), (118, 4472), (124, 4502), (142, 4589), (186, 4778),

Gene: Spouty_16 Start: 12297, Stop: 12830, Start Num: 72
Candidate Starts for Spouty_16:
(Start: 72 @12297 has 557 MA's), (95, 12345), (124, 12459), (157, 12600), (162, 12615), (166, 12627), (197, 12795), (198, 12798),

Gene: Squiddly_7 Start: 4994, Stop: 5563, Start Num: 58
Candidate Starts for Squiddly_7:
(Start: 58 @4994 has 3 MA's), (Start: 76 @5024 has 17 MA's), (110, 5129), (118, 5165), (124, 5195), (176, 5420), (186, 5471),

Gene: Squirty_6 Start: 4407, Stop: 4943, Start Num: 67
Candidate Starts for Squirty_6:
(Start: 67 @4407 has 127 MA's), (134, 4629), (154, 4698), (156, 4707), (179, 4809), (207, 4926),

Gene: StCroix_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for StCroix_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (176, 7572), (200, 7686),

Gene: Stagni_16 Start: 11005, Stop: 11508, Start Num: 72
Candidate Starts for Stagni_16:
(Start: 53 @10969 has 19 MA's), (Start: 61 @10984 has 20 MA's), (Start: 72 @11005 has 557 MA's), (162, 11314), (166, 11326),

Gene: Stap_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Stap_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: StarStuff_18 Start: 11489, Stop: 12046, Start Num: 53
Candidate Starts for StarStuff_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: Starcevich_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Starcevich_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Stasia_15 Start: 11385, Stop: 11897, Start Num: 72
Candidate Starts for Stasia_15:
(Start: 53 @11352 has 19 MA's), (Start: 72 @11385 has 557 MA's), (178, 11784),

Gene: SteMason_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for SteMason_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Steamy_16 Start: 12092, Stop: 12607, Start Num: 72
Candidate Starts for Steamy_16:
(Start: 72 @12092 has 557 MA's), (153, 12365), (190, 12545), (194, 12569),

Gene: StepMih_16 Start: 10996, Stop: 11499, Start Num: 72
Candidate Starts for StepMih_16:
(Start: 53 @10960 has 19 MA's), (Start: 61 @10975 has 20 MA's), (Start: 72 @10996 has 557 MA's), (130, 11173), (162, 11305), (166, 11317),

Gene: Stephig9_12 Start: 9808, Stop: 10329, Start Num: 61
Candidate Starts for Stephig9_12:
(Start: 61 @9808 has 20 MA's), (134, 10018), (145, 10075), (169, 10153), (173, 10198), (188, 10258),

Gene: Stink_14 Start: 10908, Stop: 11420, Start Num: 72
Candidate Starts for Stink_14:
(Start: 53 @10875 has 19 MA's), (Start: 72 @10908 has 557 MA's), (114, 11019), (169, 11241), (178, 11307),

Gene: Stinson_12 Start: 7285, Stop: 7827, Start Num: 66
Candidate Starts for Stinson_12:
(Start: 66 @7285 has 101 MA's), (122, 7420), (164, 7588), (206, 7801), (207, 7810),

Gene: Strosahl_17 Start: 10711, Stop: 11223, Start Num: 72
Candidate Starts for Strosahl_17:
(Start: 72 @10711 has 557 MA's), (133, 10906),

Gene: Studio_7 Start: 4771, Stop: 5280, Start Num: 70
Candidate Starts for Studio_7:
(37, 4687), (Start: 70 @4771 has 11 MA's), (113, 4876), (129, 4957),

Gene: Sulley_12 Start: 7292, Stop: 7825, Start Num: 66
Candidate Starts for Sulley_12:
(Start: 66 @7292 has 101 MA's), (122, 7421), (206, 7799), (207, 7808),

Gene: Sultana_14 Start: 10940, Stop: 11452, Start Num: 72
Candidate Starts for Sultana_14:
(Start: 72 @10940 has 557 MA's), (114, 11051), (178, 11339),

Gene: Sunflower1121_10 Start: 6147, Stop: 6722, Start Num: 67
Candidate Starts for Sunflower1121_10:
(Start: 67 @6147 has 127 MA's), (164, 6489), (170, 6528), (207, 6705),

Gene: Sunhee_14 Start: 10698, Stop: 11225, Start Num: 72
Candidate Starts for Sunhee_14:

(Start: 53 @10665 has 19 MA's), (Start: 72 @10698 has 557 MA's), (124, 10866), (140, 10941), (146, 10971), (166, 11034), (176, 11097), (190, 11169),

Gene: SuperAwesome_18 Start: 11667, Stop: 12197, Start Num: 72
Candidate Starts for SuperAwesome_18:
(Start: 72 @11667 has 557 MA's), (121, 11811), (140, 11904), (144, 11916), (172, 12042),

Gene: SuperCallie99_18 Start: 11668, Stop: 12198, Start Num: 72
Candidate Starts for SuperCallie99_18:
(Start: 72 @11668 has 557 MA's), (121, 11812), (140, 11905), (144, 11917), (172, 12043),

Gene: Superchunk_14 Start: 10281, Stop: 10805, Start Num: 72
Candidate Starts for Superchunk_14:
(Start: 72 @10281 has 557 MA's), (103, 10350), (121, 10422), (126, 10452), (162, 10596), (169, 10617), (190, 10743), (197, 10776), (200, 10785),

Gene: Swann_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for Swann_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: SweetiePie_15 Start: 11565, Stop: 12077, Start Num: 72
Candidate Starts for SweetiePie_15:
(Start: 53 @11529 has 19 MA's), (Start: 61 @11544 has 20 MA's), (Start: 72 @11565 has 557 MA's), (157, 11853), (166, 11880), (190, 12018),

Gene: SwirlSquare_16 Start: 10437, Stop: 10958, Start Num: 72
Candidate Starts for SwirlSquare_16:
(Start: 53 @10401 has 19 MA's), (Start: 61 @10416 has 20 MA's), (Start: 72 @10437 has 557 MA's), (95, 10488), (107, 10524), (121, 10578), (126, 10608), (162, 10752), (169, 10773), (190, 10899), (197, 10932),

Gene: Swirley_12 Start: 10233, Stop: 10742, Start Num: 72
Candidate Starts for Swirley_12:
(Start: 72 @10233 has 557 MA's), (111, 10323), (144, 10476), (153, 10518), (162, 10545), (169, 10566), (174, 10614),

Gene: Switzerland_17 Start: 10868, Stop: 11377, Start Num: 72
Candidate Starts for Switzerland_17:
(Start: 72 @10868 has 557 MA's),

Gene: SydNat_12 Start: 10340, Stop: 10849, Start Num: 72
Candidate Starts for SydNat_12:
(Start: 72 @10340 has 557 MA's), (111, 10430), (144, 10583), (153, 10625), (162, 10652), (174, 10721),

Gene: Syleon_16 Start: 9084, Stop: 9716, Start Num: 44
Candidate Starts for Syleon_16:
(Start: 28 @9018 has 1 MA's), (Start: 39 @9060 has 1 MA's), (42, 9081), (Start: 44 @9084 has 5 MA's), (Start: 54 @9108 has 2 MA's), (102, 9234), (132, 9378), (139, 9417), (155, 9486), (165, 9516), (169, 9528), (174, 9576), (175, 9582), (199, 9696), (201, 9699),

Gene: Syra333_11 Start: 6243, Stop: 6815, Start Num: 67
Candidate Starts for Syra333_11:

(Start: 67 @6243 has 127 MA's), (148, 6531), (164, 6582), (170, 6621), (206, 6789), (207, 6798),

Gene: TBond007_11 Start: 7077, Stop: 7625, Start Num: 82
Candidate Starts for TBond007_11:
(Start: 69 @7041 has 12 MA's), (Start: 82 @7077 has 7 MA's), (152, 7353), (164, 7389), (207, 7608),

Gene: TClif_11 Start: 6257, Stop: 6814, Start Num: 68
Candidate Starts for TClif_11:
(Start: 68 @6257 has 1 MA's), (78, 6290), (164, 6581), (207, 6797),

Gene: TM4_8 Start: 5384, Stop: 5944, Start Num: 64
Candidate Starts for TM4_8:
(Start: 64 @5384 has 1 MA's), (112, 5516), (155, 5702), (164, 5720), (206, 5918),

Gene: TMaxx_7 Start: 4931, Stop: 5440, Start Num: 70
Candidate Starts for TMaxx_7:
(Start: 70 @4931 has 11 MA's), (129, 5117), (141, 5162),

Gene: TNguyen7_14 Start: 10516, Stop: 11037, Start Num: 72
Candidate Starts for TNguyen7_14:
(Start: 72 @10516 has 557 MA's), (129, 10690), (153, 10798), (166, 10837), (203, 11008),

Gene: TWAMP_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for TWAMP_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Tachez_12 Start: 7279, Stop: 7821, Start Num: 66
Candidate Starts for Tachez_12:
(Start: 66 @7279 has 101 MA's), (122, 7414), (164, 7582), (199, 7777), (206, 7795), (207, 7804),

Gene: Tailonex_12 Start: 10535, Stop: 11017, Start Num: 98
Candidate Starts for Tailonex_12:
(98, 10535), (176, 10883),

Gene: TaiwanKao_12 Start: 7286, Stop: 7828, Start Num: 66
Candidate Starts for TaiwanKao_12:
(Start: 66 @7286 has 101 MA's), (122, 7421), (164, 7589), (199, 7784), (206, 7802), (207, 7811),

Gene: Takoda_11 Start: 7195, Stop: 7680, Start Num: 99
Candidate Starts for Takoda_11:
(38, 7033), (Start: 99 @7195 has 36 MA's), (147, 7426), (168, 7492), (176, 7549),

Gene: Taquarus_14 Start: 10942, Stop: 11454, Start Num: 72
Candidate Starts for Taquarus_14:
(Start: 72 @10942 has 557 MA's), (114, 11053), (178, 11341),

Gene: Taquito_11 Start: 8133, Stop: 8702, Start Num: 67
Candidate Starts for Taquito_11:
(Start: 67 @8133 has 127 MA's), (149, 8418), (164, 8463),

Gene: Target_16 Start: 11865, Stop: 12362, Start Num: 72
Candidate Starts for Target_16:

(Start: 72 @11865 has 557 MA's), (140, 12081), (144, 12093), (169, 12183), (184, 12270), (194, 12330),

Gene: TarsusIV_15 Start: 11649, Stop: 12176, Start Num: 72
Candidate Starts for TarsusIV_15:
(Start: 72 @11649 has 557 MA's), (157, 11949), (162, 11964), (169, 11985), (190, 12117), (197, 12150),

Gene: Tarynearal_11 Start: 10260, Stop: 10769, Start Num: 72
Candidate Starts for Tarynearal_11:
(Start: 72 @10260 has 557 MA's), (111, 10350), (144, 10503), (153, 10545), (162, 10572), (169, 10593), (174, 10641),

Gene: Taurus_16 Start: 11001, Stop: 11504, Start Num: 72
Candidate Starts for Taurus_16:
(Start: 53 @10965 has 19 MA's), (Start: 61 @10980 has 20 MA's), (Start: 72 @11001 has 557 MA's), (130, 11178), (162, 11310), (166, 11322),

Gene: Tchotchke_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Tchotchke_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (179, 4811), (207, 4928),

Gene: Teejan_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Teejan_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Temprado_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Temprado_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: Terrific_19 Start: 12113, Stop: 12637, Start Num: 72
Candidate Starts for Terrific_19:
(25, 11960), (Start: 53 @12077 has 19 MA's), (59, 12092), (Start: 72 @12113 has 557 MA's), (129, 12293), (157, 12413), (166, 12440), (169, 12449), (190, 12578), (197, 12611), (200, 12620), (203, 12623),

Gene: Texage_14 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Texage_14:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Thanksgivukkah_14 Start: 10944, Stop: 11456, Start Num: 72
Candidate Starts for Thanksgivukkah_14:
(Start: 72 @10944 has 557 MA's), (114, 11055), (178, 11343),

Gene: Theia_11 Start: 10199, Stop: 10708, Start Num: 72
Candidate Starts for Theia_11:
(Start: 72 @10199 has 557 MA's), (111, 10289), (144, 10442), (153, 10484), (162, 10511), (169, 10532), (174, 10580),

Gene: Thyatira_10 Start: 7374, Stop: 7883, Start Num: 83
Candidate Starts for Thyatira_10:

(Start: 40 @7254 has 4 MA's), (Start: 53 @7293 has 19 MA's), (Start: 74 @7338 has 13 MA's), (Start: 79 @7359 has 8 MA's), (Start: 83 @7374 has 13 MA's), (90, 7386), (164, 7659),

Gene: Tierra_11 Start: 6942, Stop: 7514, Start Num: 67
Candidate Starts for Tierra_11:
(20, 6744), (47, 6900), (Start: 67 @6942 has 127 MA's), (164, 7281), (170, 7320), (199, 7470), (206, 7488),

Gene: Tiffany_16 Start: 10876, Stop: 11400, Start Num: 61
Candidate Starts for Tiffany_16:
(Start: 53 @10861 has 19 MA's), (Start: 61 @10876 has 20 MA's), (Start: 72 @10897 has 557 MA's), (130, 11074), (162, 11206), (166, 11218),

Gene: Tiger_12 Start: 10080, Stop: 10589, Start Num: 72
Candidate Starts for Tiger_12:
(Start: 72 @10080 has 557 MA's), (111, 10170), (144, 10323), (153, 10365), (162, 10392), (169, 10413), (174, 10461),

Gene: Tigress9_11 Start: 6224, Stop: 6796, Start Num: 67
Candidate Starts for Tigress9_11:
(Start: 46 @6185 has 1 MA's), (Start: 67 @6224 has 127 MA's), (148, 6512), (164, 6563), (170, 6602), (206, 6770), (207, 6779),

Gene: Timothy_15 Start: 12152, Stop: 12673, Start Num: 72
Candidate Starts for Timothy_15:
(59, 12131), (Start: 72 @12152 has 557 MA's), (95, 12203), (114, 12266), (157, 12452),

Gene: Timshel_15 Start: 12520, Stop: 13020, Start Num: 72
Candidate Starts for Timshel_15:
(Start: 72 @12520 has 557 MA's), (107, 12589), (114, 12616), (166, 12829), (176, 12892), (193, 12985), (194, 12988), (196, 12994),

Gene: TinaFeyge_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for TinaFeyge_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: TingHuaYa_12 Start: 6338, Stop: 6886, Start Num: 65
Candidate Starts for TingHuaYa_12:
(Start: 65 @6338 has 2 MA's), (122, 6488), (164, 6656), (170, 6695), (199, 6842), (206, 6860), (207, 6869),

Gene: TiniBug_12 Start: 7263, Stop: 7805, Start Num: 66
Candidate Starts for TiniBug_12:
(Start: 66 @7263 has 101 MA's), (122, 7398), (164, 7566), (199, 7761), (206, 7779), (207, 7788),

Gene: TinyPebbles_16 Start: 11086, Stop: 11589, Start Num: 72
Candidate Starts for TinyPebbles_16:
(Start: 53 @11050 has 19 MA's), (Start: 61 @11065 has 20 MA's), (Start: 72 @11086 has 557 MA's), (130, 11263), (162, 11395), (166, 11407),

Gene: TinyTimmy_15 Start: 12204, Stop: 12725, Start Num: 72
Candidate Starts for TinyTimmy_15:
(59, 12183), (Start: 72 @12204 has 557 MA's), (95, 12255), (114, 12318), (157, 12504),

Gene: Tinybot_13 Start: 10920, Stop: 11432, Start Num: 72
Candidate Starts for Tinybot_13:
(Start: 53 @10887 has 19 MA's), (Start: 72 @10920 has 557 MA's), (114, 11031), (169, 11253), (178, 11319),

Gene: TipsytheTRex_14 Start: 10661, Stop: 11185, Start Num: 72
Candidate Starts for TipsytheTRex_14:
(Start: 72 @10661 has 557 MA's), (103, 10727), (121, 10799), (144, 10904), (172, 11030),

Gene: Tiri_12 Start: 7324, Stop: 7866, Start Num: 66
Candidate Starts for Tiri_12:
(Start: 66 @7324 has 101 MA's), (122, 7459), (164, 7627), (199, 7822), (206, 7840), (207, 7849),

Gene: TiroTheta9_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for TiroTheta9_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Toaka_14 Start: 10643, Stop: 11161, Start Num: 72
Candidate Starts for Toaka_14:
(Start: 72 @10643 has 557 MA's), (108, 10733), (111, 10739), (136, 10853), (197, 11126),

Gene: Todacoro_15 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Todacoro_15:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: Tomathan_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for Tomathan_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: ToneTone_17 Start: 11594, Stop: 12115, Start Num: 72
Candidate Starts for ToneTone_17:
(31, 11498), (Start: 72 @11594 has 557 MA's), (95, 11642), (121, 11729), (144, 11834), (172, 11960),

Gene: TootsiePop_6 Start: 4412, Stop: 4948, Start Num: 67
Candidate Starts for TootsiePop_6:
(Start: 67 @4412 has 127 MA's), (134, 4634), (154, 4703), (156, 4712), (164, 4730), (179, 4814), (207, 4931),

Gene: Tootsieroll_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Tootsieroll_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Topanga_14 Start: 10833, Stop: 11354, Start Num: 72
Candidate Starts for Topanga_14:
(Start: 61 @10812 has 20 MA's), (Start: 72 @10833 has 557 MA's), (105, 10920),

Gene: Topper_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Topper_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Toro_17 Start: 12563, Stop: 13072, Start Num: 72

Candidate Starts for Toro_17:
(48, 12518), (Start: 61 @12542 has 20 MA's), (Start: 72 @12563 has 557 MA's), (144, 12803), (165, 12881), (166, 12884), (176, 12947), (177, 12950),

Gene: Torres_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Torres_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Totinger_6 Start: 4409, Stop: 4945, Start Num: 67
Candidate Starts for Totinger_6:
(Start: 67 @4409 has 127 MA's), (134, 4631), (154, 4700), (156, 4709), (164, 4727), (179, 4811), (207, 4928),

Gene: Tourach_7 Start: 5433, Stop: 6041, Start Num: 69
Candidate Starts for Tourach_7:
(Start: 69 @5433 has 12 MA's), (115, 5577), (153, 5760), (159, 5781), (176, 5868), (192, 5949), (204, 5988),

Gene: Travvers_18 Start: 11525, Stop: 12046, Start Num: 72
Candidate Starts for Travvers_18:
(Start: 53 @11489 has 19 MA's), (Start: 61 @11504 has 20 MA's), (Start: 72 @11525 has 557 MA's), (95, 11576), (162, 11840), (169, 11861), (197, 12020),

Gene: Trax_15 Start: 8829, Stop: 9452, Start Num: 44
Candidate Starts for Trax_15:
(41, 8817), (Start: 44 @8829 has 5 MA's), (Start: 65 @8868 has 2 MA's), (85, 8925), (101, 8970), (114, 9021), (117, 9036), (139, 9150), (143, 9162), (152, 9207), (169, 9261), (174, 9309), (176, 9318), (193, 9414), (201, 9435),

Gene: TreyKay_12 Start: 7280, Stop: 7822, Start Num: 66
Candidate Starts for TreyKay_12:
(Start: 66 @7280 has 101 MA's), (122, 7415), (164, 7583), (199, 7778), (206, 7796), (207, 7805),

Gene: TribleTrouble_10 Start: 7121, Stop: 7663, Start Num: 82
Candidate Starts for TribleTrouble_10:
(27, 6923), (Start: 69 @7085 has 12 MA's), (Start: 82 @7121 has 7 MA's), (118, 7238),

Gene: Trice_8 Start: 6589, Stop: 7137, Start Num: 66
Candidate Starts for Trice_8:
(Start: 66 @6589 has 101 MA's), (164, 6904), (199, 7093), (206, 7111),

Gene: Trike_12 Start: 8784, Stop: 9326, Start Num: 61
Candidate Starts for Trike_12:
(Start: 61 @8784 has 20 MA's), (Start: 72 @8805 has 557 MA's), (129, 8991),

Gene: TripleC_10 Start: 8397, Stop: 8909, Start Num: 70
Candidate Starts for TripleC_10:
(Start: 70 @8397 has 11 MA's),

Gene: Tristan_16 Start: 13375, Stop: 13890, Start Num: 72
Candidate Starts for Tristan_16:
(Start: 72 @13375 has 557 MA's), (107, 13456), (176, 13759), (190, 13834),

Gene: Trixie_18 Start: 13264, Stop: 13788, Start Num: 72
Candidate Starts for Trixie_18:
(59, 13243), (Start: 72 @13264 has 557 MA's), (103, 13333), (144, 13510), (190, 13729),

Gene: Trooper_15 Start: 11440, Stop: 11967, Start Num: 72
Candidate Starts for Trooper_15:
(3, 11092), (9, 11164), (25, 11284), (31, 11341), (Start: 72 @11440 has 557 MA's), (125, 11608), (144, 11686), (190, 11908), (197, 11941),

Gene: TroyPia_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for TroyPia_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: TruffulaTree_12 Start: 7310, Stop: 7852, Start Num: 66
Candidate Starts for TruffulaTree_12:
(Start: 66 @7310 has 101 MA's), (122, 7445), (164, 7613), (199, 7808), (206, 7826), (207, 7835),

Gene: Tubs_16 Start: 12267, Stop: 12800, Start Num: 72
Candidate Starts for Tubs_16:
(Start: 72 @12267 has 557 MA's), (95, 12315), (124, 12429), (157, 12570), (162, 12585), (166, 12597), (197, 12765), (198, 12768),

Gene: Tucker_18 Start: 11681, Stop: 12202, Start Num: 72
Candidate Starts for Tucker_18:
(31, 11585), (Start: 72 @11681 has 557 MA's), (95, 11729), (121, 11816), (140, 11909), (144, 11921), (172, 12047),

Gene: Turbido_17 Start: 12090, Stop: 12617, Start Num: 72
Candidate Starts for Turbido_17:
(Start: 72 @12090 has 557 MA's), (157, 12390), (162, 12405), (169, 12426), (190, 12558), (197, 12591),

Gene: Twigg_12 Start: 10232, Stop: 10741, Start Num: 72
Candidate Starts for Twigg_12:
(Start: 72 @10232 has 557 MA's), (111, 10322), (144, 10475), (153, 10517), (162, 10544), (169, 10565), (174, 10613),

Gene: Twister_14 Start: 10732, Stop: 11253, Start Num: 72
Candidate Starts for Twister_14:
(Start: 61 @10711 has 20 MA's), (Start: 72 @10732 has 557 MA's), (105, 10819),

Gene: Twitch_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Twitch_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: TygerBlood_14 Start: 10941, Stop: 11453, Start Num: 72
Candidate Starts for TygerBlood_14:
(Start: 72 @10941 has 557 MA's), (114, 11052), (178, 11340),

Gene: Ugenie5_13 Start: 12300, Stop: 12833, Start Num: 72
Candidate Starts for Ugenie5_13:
(Start: 72 @12300 has 557 MA's), (95, 12348), (124, 12462), (157, 12603), (162, 12618), (166, 12630), (197, 12798), (198, 12801),

Gene: UhSalsa_11 Start: 7218, Stop: 7703, Start Num: 99
Candidate Starts for UhSalsa_11:
(38, 7056), (Start: 99 @7218 has 36 MA's), (147, 7449), (168, 7515), (176, 7572), (200, 7686),

Gene: Ulysses_13 Start: 10660, Stop: 11172, Start Num: 72
Candidate Starts for Ulysses_13:
(Start: 53 @10627 has 19 MA's), (Start: 72 @10660 has 557 MA's), (157, 10957), (178, 11059),

Gene: UncleRicky_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for UncleRicky_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Unicorn_11 Start: 6278, Stop: 6850, Start Num: 67
Candidate Starts for Unicorn_11:
(20, 6080), (47, 6236), (Start: 67 @6278 has 127 MA's), (164, 6617), (170, 6656), (199, 6806), (206, 6824),

Gene: UnionJack_12 Start: 9800, Stop: 10312, Start Num: 72
Candidate Starts for UnionJack_12:
(Start: 72 @9800 has 557 MA's), (111, 9893), (153, 10088), (162, 10115), (174, 10184), (183, 10217), (196, 10283),

Gene: Updawg_17 Start: 12101, Stop: 12625, Start Num: 72
Candidate Starts for Updawg_17:
(25, 11948), (Start: 53 @12065 has 19 MA's), (59, 12080), (Start: 72 @12101 has 557 MA's), (129, 12281), (157, 12401), (166, 12428), (190, 12566), (197, 12599), (200, 12608), (203, 12611),

Gene: Urkel_12 Start: 7263, Stop: 7805, Start Num: 66
Candidate Starts for Urkel_12:
(Start: 66 @7263 has 101 MA's), (122, 7398), (164, 7566), (199, 7761), (206, 7779), (207, 7788),

Gene: VA6_15 Start: 11619, Stop: 12140, Start Num: 72
Candidate Starts for VA6_15:
(Start: 53 @11583 has 19 MA's), (Start: 61 @11598 has 20 MA's), (Start: 72 @11619 has 557 MA's), (157, 11916), (166, 11943), (190, 12081),

Gene: VC3_18 Start: 11582, Stop: 12103, Start Num: 72
Candidate Starts for VC3_18:
(45, 11534), (Start: 72 @11582 has 557 MA's), (121, 11726), (123, 11741), (144, 11831), (157, 11885), (162, 11900), (190, 12044), (197, 12077),

Gene: Validus_12 Start: 6293, Stop: 6850, Start Num: 66
Candidate Starts for Validus_12:
(Start: 66 @6293 has 101 MA's), (122, 6446), (164, 6614), (206, 6824),

Gene: Vanisoa_14 Start: 10356, Stop: 10880, Start Num: 72
Candidate Starts for Vanisoa_14:
(Start: 72 @10356 has 557 MA's), (103, 10419), (111, 10455), (197, 10845), (198, 10848),

Gene: Veliki_12 Start: 7357, Stop: 7899, Start Num: 66
Candidate Starts for Veliki_12:
(Start: 66 @7357 has 101 MA's), (122, 7492), (164, 7660), (199, 7855), (206, 7873), (207, 7882),

Gene: Velveteen_6 Start: 4408, Stop: 4944, Start Num: 67
Candidate Starts for Velveteen_6:
(Start: 67 @4408 has 127 MA's), (134, 4630), (154, 4699), (156, 4708), (179, 4810), (207, 4927),

Gene: Veracruz_14 Start: 11093, Stop: 11602, Start Num: 72
Candidate Starts for Veracruz_14:
(31, 10988), (Start: 72 @11093 has 557 MA's), (153, 11375), (166, 11414), (196, 11573),

Gene: ViviJ_9 Start: 7257, Stop: 7787, Start Num: 83
Candidate Starts for ViviJ_9:
(Start: 74 @7221 has 13 MA's), (Start: 79 @7242 has 8 MA's), (Start: 83 @7257 has 13 MA's), (90, 7269), (164, 7554),

Gene: Vix_16 Start: 11064, Stop: 11588, Start Num: 61
Candidate Starts for Vix_16:
(Start: 53 @11049 has 19 MA's), (Start: 61 @11064 has 20 MA's), (Start: 72 @11085 has 557 MA's), (130, 11262), (162, 11394), (166, 11406),

Gene: VohminGhazi_18 Start: 11677, Stop: 12207, Start Num: 72
Candidate Starts for VohminGhazi_18:
(Start: 72 @11677 has 557 MA's), (121, 11821), (140, 11914), (144, 11926), (172, 12052),

Gene: Volt_40 Start: 14655, Stop: 15221, Start Num: 79
Candidate Starts for Volt_40:
(36, 14538), (Start: 79 @14655 has 8 MA's), (112, 14763), (158, 14985), (170, 15045), (191, 15156),

Gene: Waits_17 Start: 10717, Stop: 11229, Start Num: 72
Candidate Starts for Waits_17:
(Start: 72 @10717 has 557 MA's), (133, 10912),

Gene: WalterMcMickey_14 Start: 10732, Stop: 11253, Start Num: 72
Candidate Starts for WalterMcMickey_14:
(Start: 61 @10711 has 20 MA's), (Start: 72 @10732 has 557 MA's), (105, 10819),

Gene: Wander_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for Wander_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Warrior24_17 Start: 10721, Stop: 11233, Start Num: 72
Candidate Starts for Warrior24_17:
(Start: 72 @10721 has 557 MA's), (133, 10916),

Gene: Waterfoul_10 Start: 7396, Stop: 7905, Start Num: 83
Candidate Starts for Waterfoul_10:
(Start: 40 @7276 has 4 MA's), (Start: 53 @7315 has 19 MA's), (Start: 74 @7360 has 13 MA's), (Start: 79 @7381 has 8 MA's), (Start: 83 @7396 has 13 MA's), (90, 7408), (164, 7681),

Gene: Watson_16 Start: 10995, Stop: 11498, Start Num: 72
Candidate Starts for Watson_16:
(Start: 53 @10959 has 19 MA's), (Start: 61 @10974 has 20 MA's), (Start: 72 @10995 has 557 MA's), (130, 11172), (162, 11304), (166, 11316),

Gene: WeiHuaDA_21 Start: 13865, Stop: 14389, Start Num: 72
Candidate Starts for WeiHuaDA_21:
(59, 13844), (Start: 72 @13865 has 557 MA's), (144, 14111), (190, 14330),

Gene: Whabigail7_17 Start: 12078, Stop: 12605, Start Num: 72
Candidate Starts for Whabigail7_17:
(Start: 72 @12078 has 557 MA's), (157, 12378), (162, 12393), (190, 12546), (197, 12579),

Gene: Whitney_6 Start: 4327, Stop: 4878, Start Num: 76
Candidate Starts for Whitney_6:
(Start: 76 @4327 has 17 MA's), (102, 4408), (118, 4480), (186, 4786),

Gene: Whitspit_15 Start: 11707, Stop: 12204, Start Num: 72
Candidate Starts for Whitspit_15:
(Start: 72 @11707 has 557 MA's), (140, 11923), (144, 11935), (169, 12025), (184, 12112), (191, 12154), (194, 12172),

Gene: WideWale_17 Start: 12101, Stop: 12625, Start Num: 72
Candidate Starts for WideWale_17:
(25, 11948), (Start: 53 @12065 has 19 MA's), (59, 12080), (Start: 72 @12101 has 557 MA's), (129, 12281), (157, 12401), (166, 12428), (190, 12566), (197, 12599), (200, 12608), (203, 12611),

Gene: Wiks_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for Wiks_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Wilbur_14 Start: 10938, Stop: 11450, Start Num: 72
Candidate Starts for Wilbur_14:
(Start: 72 @10938 has 557 MA's), (114, 11049), (178, 11337),

Gene: Wile_14 Start: 10956, Stop: 11471, Start Num: 72
Candidate Starts for Wile_14:
(6, 10665), (13, 10716), (17, 10752), (18, 10755), (Start: 53 @10923 has 19 MA's), (Start: 72 @10956 has 557 MA's), (178, 11358),

Gene: Wintermute_13 Start: 8533, Stop: 9105, Start Num: 67
Candidate Starts for Wintermute_13:
(Start: 67 @8533 has 127 MA's), (149, 8821), (164, 8866),

Gene: Wizard007_14 Start: 10941, Stop: 11453, Start Num: 72
Candidate Starts for Wizard007_14:
(Start: 72 @10941 has 557 MA's), (114, 11052), (178, 11340),

Gene: Wolpertinger_14 Start: 12155, Stop: 12676, Start Num: 72
Candidate Starts for Wolpertinger_14:
(59, 12134), (Start: 72 @12155 has 557 MA's), (95, 12206), (114, 12269), (157, 12455),

Gene: Wooldri_18 Start: 10878, Stop: 11417, Start Num: 53
Candidate Starts for Wooldri_18:
(Start: 53 @10878 has 19 MA's), (Start: 61 @10893 has 20 MA's), (Start: 72 @10914 has 557 MA's), (130, 11091), (162, 11223), (166, 11235),

Gene: WorldCup_13 Start: 10342, Stop: 10866, Start Num: 72

Candidate Starts for WorldCup_13:
(Start: 72 @10342 has 557 MA's), (103, 10405), (111, 10441), (197, 10831), (198, 10834),

Gene: WunderPhul_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for WunderPhul_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Xena_14 Start: 10943, Stop: 11458, Start Num: 72
Candidate Starts for Xena_14:
(6, 10652), (13, 10703), (17, 10739), (18, 10742), (Start: 53 @10910 has 19 MA's), (Start: 72 @10943 has 557 MA's), (178, 11345),

Gene: XianYue_15 Start: 11556, Stop: 12080, Start Num: 72
Candidate Starts for XianYue_15:
(Start: 72 @11556 has 557 MA's), (95, 11607), (190, 12021),

Gene: Ximenita_12 Start: 6410, Stop: 6994, Start Num: 67
Candidate Starts for Ximenita_12:
(Start: 67 @6410 has 127 MA's), (134, 6659), (148, 6710), (164, 6761), (170, 6800), (207, 6977),

Gene: Y10_13 Start: 8533, Stop: 9105, Start Num: 67
Candidate Starts for Y10_13:
(Start: 67 @8533 has 127 MA's), (149, 8821), (164, 8866),

Gene: Y2_13 Start: 8533, Stop: 9105, Start Num: 67
Candidate Starts for Y2_13:
(Start: 67 @8533 has 127 MA's), (149, 8821), (164, 8866),

Gene: YasnayaPolyana_13 Start: 8534, Stop: 9106, Start Num: 67
Candidate Starts for YasnayaPolyana_13:
(Start: 67 @8534 has 127 MA's), (149, 8822), (164, 8867),

Gene: Yecey3_15 Start: 10453, Stop: 10974, Start Num: 72
Candidate Starts for Yecey3_15:
(Start: 72 @10453 has 557 MA's), (103, 10516), (111, 10552), (157, 10747), (166, 10774),

Gene: YoSam321_14 Start: 10939, Stop: 11451, Start Num: 72
Candidate Starts for YoSam321_14:
(Start: 72 @10939 has 557 MA's), (114, 11050), (178, 11338),

Gene: Yogi_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Yogi_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Yokurt_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for Yokurt_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Yoncess_11 Start: 7203, Stop: 7688, Start Num: 99
Candidate Starts for Yoncess_11:
(38, 7041), (Start: 99 @7203 has 36 MA's), (147, 7434), (168, 7500), (176, 7557),

Gene: Yoshi_6 Start: 4306, Stop: 4854, Start Num: 73

Candidate Starts for Yoshi_6:
(2, 3883), (8, 4015), (19, 4090), (24, 4126), (30, 4189), (Start: 73 @4306 has 10 MA's), (108, 4411), (115, 4435), (146, 4594), (186, 4759),

Gene: YoureAdopted_11 Start: 7286, Stop: 7828, Start Num: 66
Candidate Starts for YoureAdopted_11:
(Start: 66 @7286 has 101 MA's), (122, 7421), (164, 7589), (199, 7784), (206, 7802), (207, 7811),

Gene: Yuna_12 Start: 6421, Stop: 6981, Start Num: 67
Candidate Starts for Yuna_12:
(Start: 67 @6421 has 127 MA's), (170, 6781), (206, 6955), (207, 6964),

Gene: Yunkel11_12 Start: 6279, Stop: 6812, Start Num: 66
Candidate Starts for Yunkel11_12:
(Start: 61 @6273 has 20 MA's), (Start: 66 @6279 has 101 MA's), (122, 6408), (164, 6576), (206, 6786), (207, 6795),

Gene: Zabiza_12 Start: 7313, Stop: 7855, Start Num: 66
Candidate Starts for Zabiza_12:
(Start: 66 @7313 has 101 MA's), (122, 7448), (164, 7616), (199, 7811), (206, 7829), (207, 7838),

Gene: Zaka_18 Start: 11662, Stop: 12183, Start Num: 72
Candidate Starts for Zaka_18:
(31, 11566), (Start: 72 @11662 has 557 MA's), (95, 11710), (121, 11797), (144, 11902), (172, 12028),

Gene: Zapner_7 Start: 4831, Stop: 5379, Start Num: 73
Candidate Starts for Zapner_7:
(2, 4408), (8, 4540), (19, 4615), (24, 4651), (30, 4714), (Start: 73 @4831 has 10 MA's), (108, 4936), (115, 4960), (146, 5119), (186, 5284),

Gene: Zarafa_14 Start: 10608, Stop: 11129, Start Num: 72
Candidate Starts for Zarafa_14:
(Start: 72 @10608 has 557 MA's), (129, 10782), (153, 10890), (166, 10929), (203, 11100),

Gene: Zavala_12 Start: 7295, Stop: 7837, Start Num: 66
Candidate Starts for Zavala_12:
(Start: 66 @7295 has 101 MA's), (122, 7430), (164, 7598), (199, 7793), (206, 7811), (207, 7820),

Gene: Zetzy_15 Start: 10568, Stop: 11059, Start Num: 72
Candidate Starts for Zetzy_15:
(Start: 53 @10532 has 19 MA's), (Start: 61 @10547 has 20 MA's), (Start: 72 @10568 has 557 MA's), (129, 10730), (162, 10865), (166, 10877),

Gene: ZhongYanYuan_6 Start: 5250, Stop: 5855, Start Num: 69
Candidate Starts for ZhongYanYuan_6:
(Start: 69 @5250 has 12 MA's), (115, 5391), (153, 5574), (159, 5595), (169, 5625), (176, 5682), (192, 5763), (204, 5802),

Gene: Ziko_41 Start: 14595, Stop: 15161, Start Num: 79
Candidate Starts for Ziko_41:
(36, 14478), (Start: 79 @14595 has 8 MA's), (112, 14703), (158, 14925), (170, 14985), (191, 15096),

Gene: Zimmer_17 Start: 13146, Stop: 13670, Start Num: 72

Candidate Starts for Zimmer_17:
(Start: 72 @13146 has 557 MA's), (157, 13434), (194, 13623),

Gene: ZoeJ_8 Start: 5306, Stop: 5842, Start Num: 67
Candidate Starts for ZoeJ_8:
(Start: 67 @5306 has 127 MA's), (155, 5603), (164, 5621), (206, 5816),

Gene: Zolita_11 Start: 10341, Stop: 10850, Start Num: 72
Candidate Starts for Zolita_11:
(Start: 72 @10341 has 557 MA's), (111, 10431), (144, 10584), (153, 10626), (162, 10653), (174, 10722),

Gene: Zulu_18 Start: 11661, Stop: 12182, Start Num: 72
Candidate Starts for Zulu_18:
(31, 11565), (Start: 72 @11661 has 557 MA's), (95, 11709), (121, 11796), (144, 11901), (172, 12027),