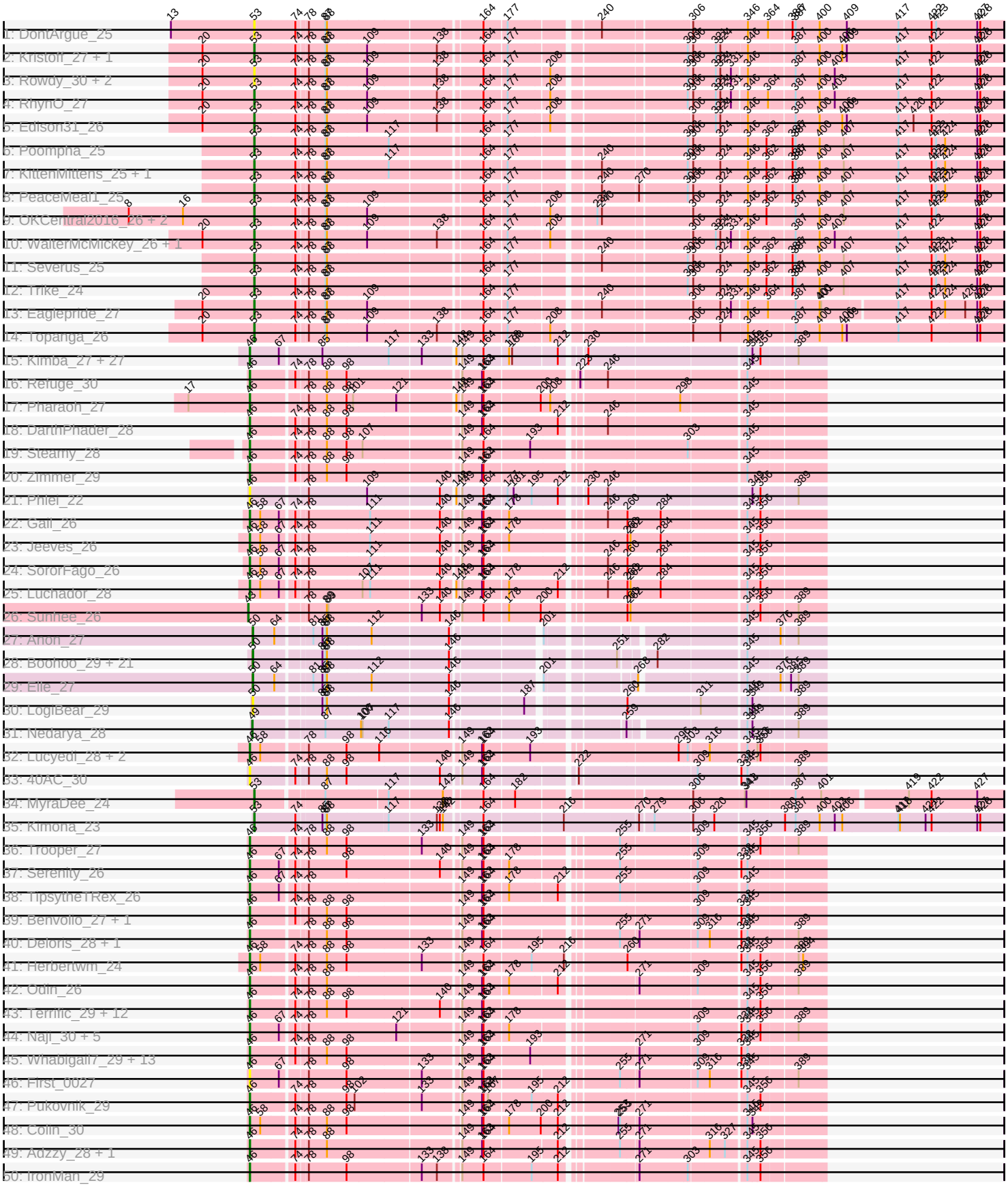
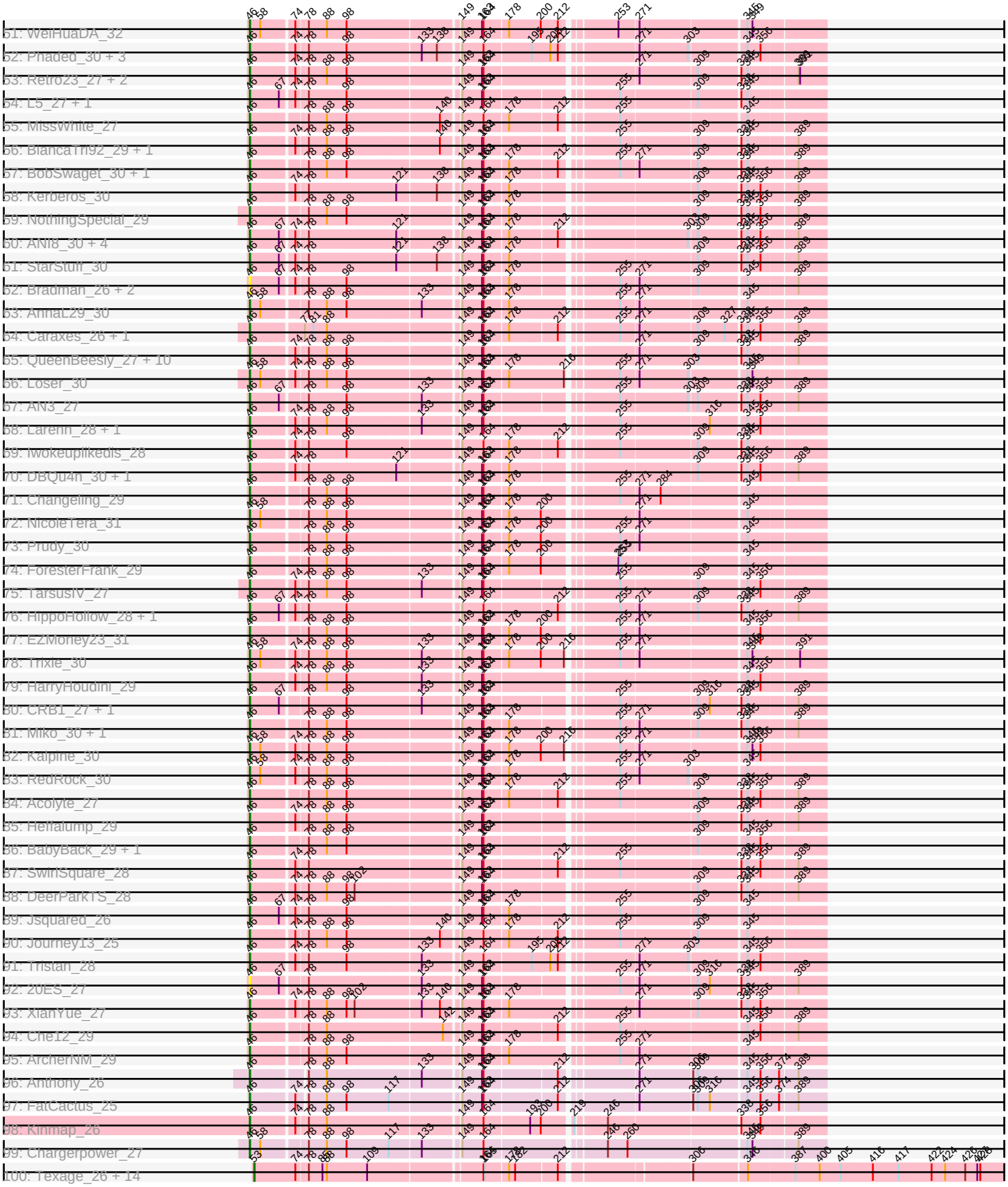
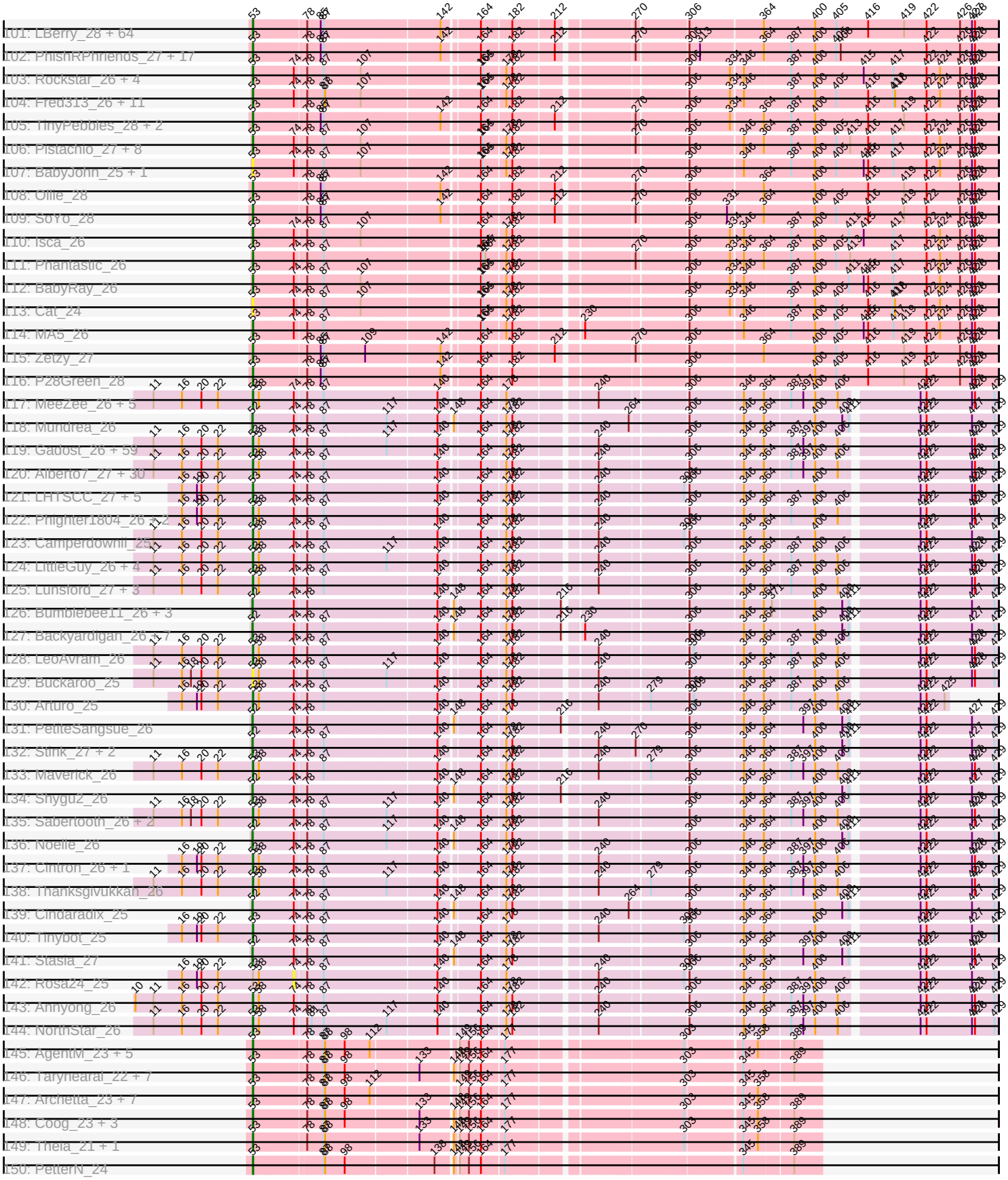
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1: DontArgue_25
2: Kristoff_27 + 1
3: Rowdy_30 + 2
4: RhynO_27
5: Edison31_26
6: Poompha_25
7: KittenMittens_25 + 1
8: PeaceMeal1_25
9: OKCentral2016_26 + 2
10: WalterMcMickey_26 + 1
11: Severus_25
12: Trike_24
13: Eaglepride_27
14: Topanga_26
15: Kimba_27 + 27
16: Refuge_30
17: Pharaoh_27
18: DarthPhader_28
19: Steamy_28
20: Zimmer_29
21: Phiel_22
22: Gail_26
23: Jeeves_26
24: SororFago_26
25: Luchador_28
26: Sunhee_26
27: Anon_27
28: Boohoo_29 + 21
29: Ellie_27
30: LogiBear_29
31: Nedarya_28
32: Lucyedi_28 + 2
33: 40AC_30
34: MyraDee_24
35: Kimona_23
36: Trooper_27
37: Serenity_26
38: TipsytheTRex_26
39: Benvolio_27 + 1
40: Deloris_28 + 1
41: Herbertwm_24
42: Odin_26
43: Terrific_29 + 12
44: Najr_30 + 5
45: Whabigail7_29 + 13
46: First_0027
47: Pukovnik_29
48: Colin_30
49: Adzzy_28 + 1
50: IronMan_29

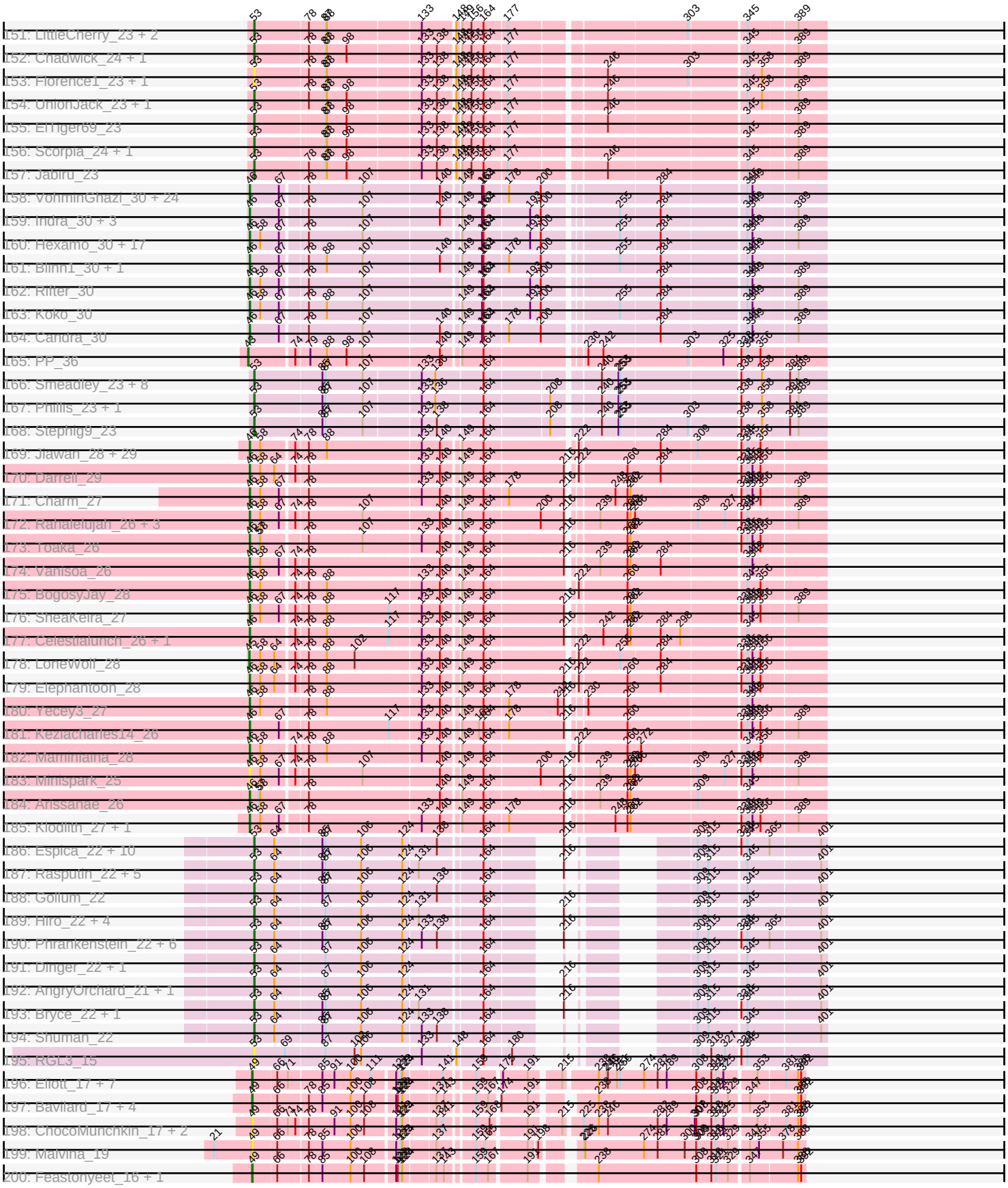
Pham 347016


51: WeiHuaDA_32
52: Phaded_30 + 3
53: Retro23_27 + 2
54: L5_27 + 1
55: MissWhite_27
56: BiancaTm92_29 + 1
57: BobSwaget_30 + 1
58: Kerberos_30
59: NothingSpecial_29
60: ANI8_30 + 4
61: StarStuff_30
62: Bradman_26 + 2
63: AnnaL29_30
64: Caraxes_26 + 1
65: QueenBeesly_27 + 10
66: Loser_30
67: AN3_27
68: Larenn_28 + 1
69: Iwokeuplikedis_28
70: DBQu4n_30 + 1
71: Changeling_29
72: NicoleTera_31
73: Prudy_30
74: ForesterFrank_29
75: TarsusIV_27
76: HippoHollow_28 + 1
77: EZMoney23_31
78: Trixie_30
79: HarryHoudini_29
80: CRB1_27 + 1
81: Miko_30 + 1
82: Kalpine_30
83: RedRock_30
84: Acolyte_27
85: Hellalump_29
86: BabyBack_29 + 1
87: SwimSquare_28
88: DeerParkTS_28
89: Jsquared_26
90: Journey13_25
91: Tristan_28
92: 20ES_27
93: XianYue_27
94: Che12_29
95: ArcherNM_29
96: Anthony_26
97: FatCactus_25
98: Kinmap_26
99: Chargerpower_27
100: Texage_26 + 14

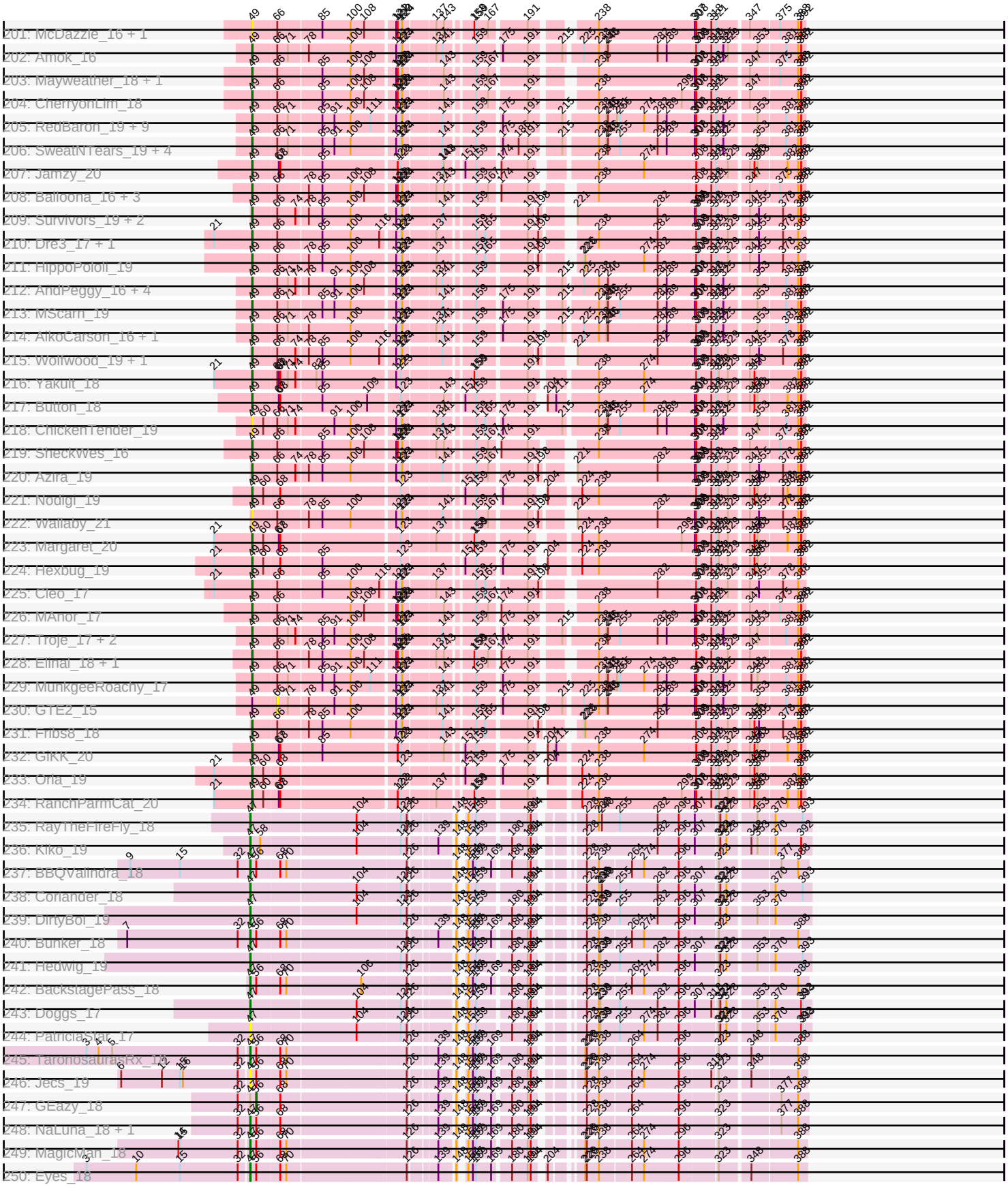
Pham 347016



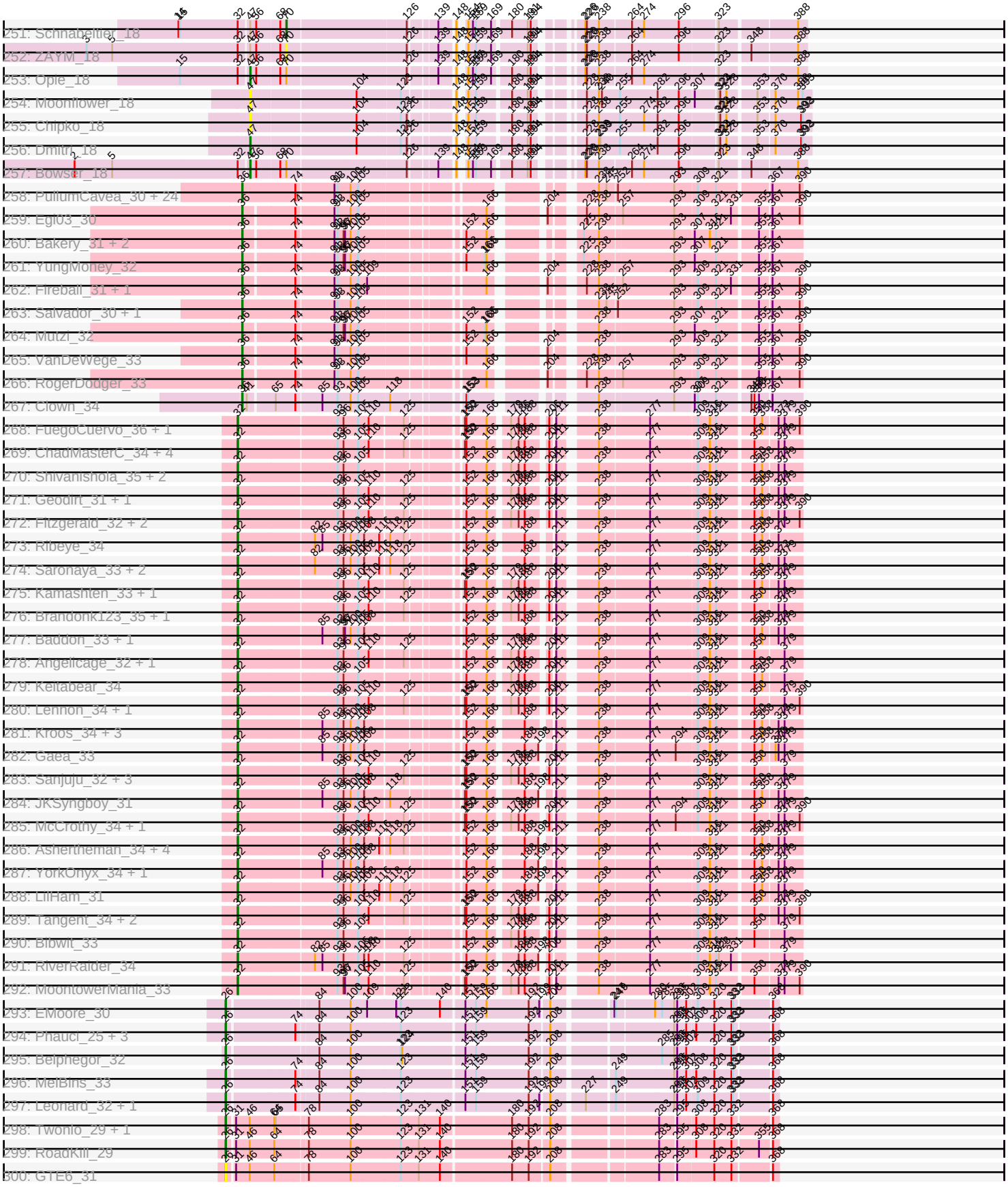
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151: LittleCherry_23 + 2
152: Chadwick_24 + 1
153: Florence1_23 + 1
154: UnionJack_23 + 1
155: Erriger69_23
156: Scorpia_24 + 1
157: Jabiru_23
158: VohminGhazi_30 + 24
159: Indra_30 + 3
160: Hexamo_30 + 17
161: Blinn1_30 + 1
162: Riffer_30
163: Koko_30
164: Candra_30
165: PP_36
166: Smeadley_23 + 8
167: Phillis_23 + 1
168: Stephig9_23
169: Jiawan_28 + 29
170: Darrell_29
171: Charm_27
172: Rahalelujah_26 + 3
173: Yoaka_26
174: Vanisoa_26
175: BogosyJay_28
176: SheaKeira_27
177: Celestialunch_26 + 1
178: LoneWolf_28
179: Elephantoon_28
180: Yecey3_27
181: Keziacharles14_26
182: Mamiriama_28
183: Mimispark_25
184: Anissanae_26
185: Klodilth_27 + 1
186: Espica_22 + 10
187: Rasputin_22 + 5
188: Gollum_22
189: Hiro_22 + 4
190: Phrankenstein_22 + 6
191: Dinger_22 + 1
192: AngryOrchard_21 + 1
193: Bryce_22 + 1
194: Shuman_22
195: RGL3_15
196: Elliott_17 + 7
197: Bavilard_17 + 4
198: ChocoMunchkin_17 + 2
199: Malvina_19
200: Feastonyeet_16 + 1

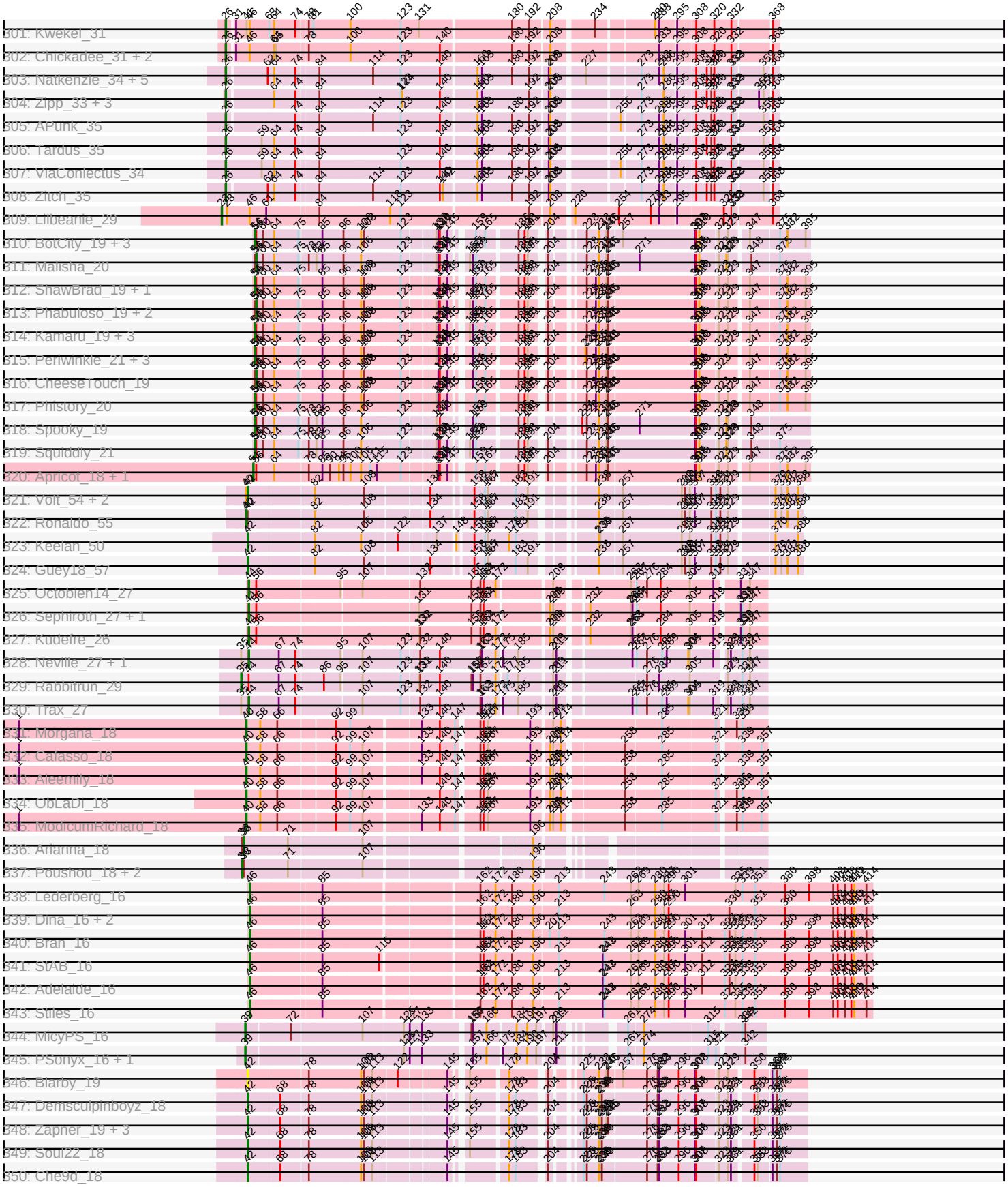
Pham 347016


201: McDazzle_16 + 1
202: Amok_16
203: Mayweather_18 + 1
204: CherryonLim_18
205: RedBaron_19 + 9
206: SweatNTears_19 + 4
207: Jamzy_20
208: Balloona_16 + 3
209: Survivors_19 + 2
210: Dre3_17 + 1
211: HippoPolo!_19
212: AndPeggy_16 + 4
213: MScarn_19
214: AikoCarson_16 + 1
215: Wollwood_19 + 1
216: Yakult_18
217: Button_18
218: ChickenTender_19
219: SheckWes_16
220: Azira_19
221: Nodigi_19
222: Wallaby_21
223: Margaret_20
224: Hexbug_19
225: Cleo_17
226: MAnor_17
227: Troje_17 + 2
228: Elmar_18 + 1
229: MunkgeeRoachy_17
230: GTE2_15
231: Fribs8_18
232: GIKK_20
233: Orla_19
234: RanchParmCat_20
235: RayTheFireFly_18
236: Kiko_19
237: BBQValindra_18
238: Coriander_18
239: DirtyBoi_19
240: Bunker_18
241: Hedwig_19
242: BackstagePass_18
243: Doggs_17
244: PatriciaStar_17
245: TarohosaurasRex_13
246: Jecs_19
247: GEazy_18
248: NaLuna_18 + 1
249: MagicMan_18
250: Eyes_18

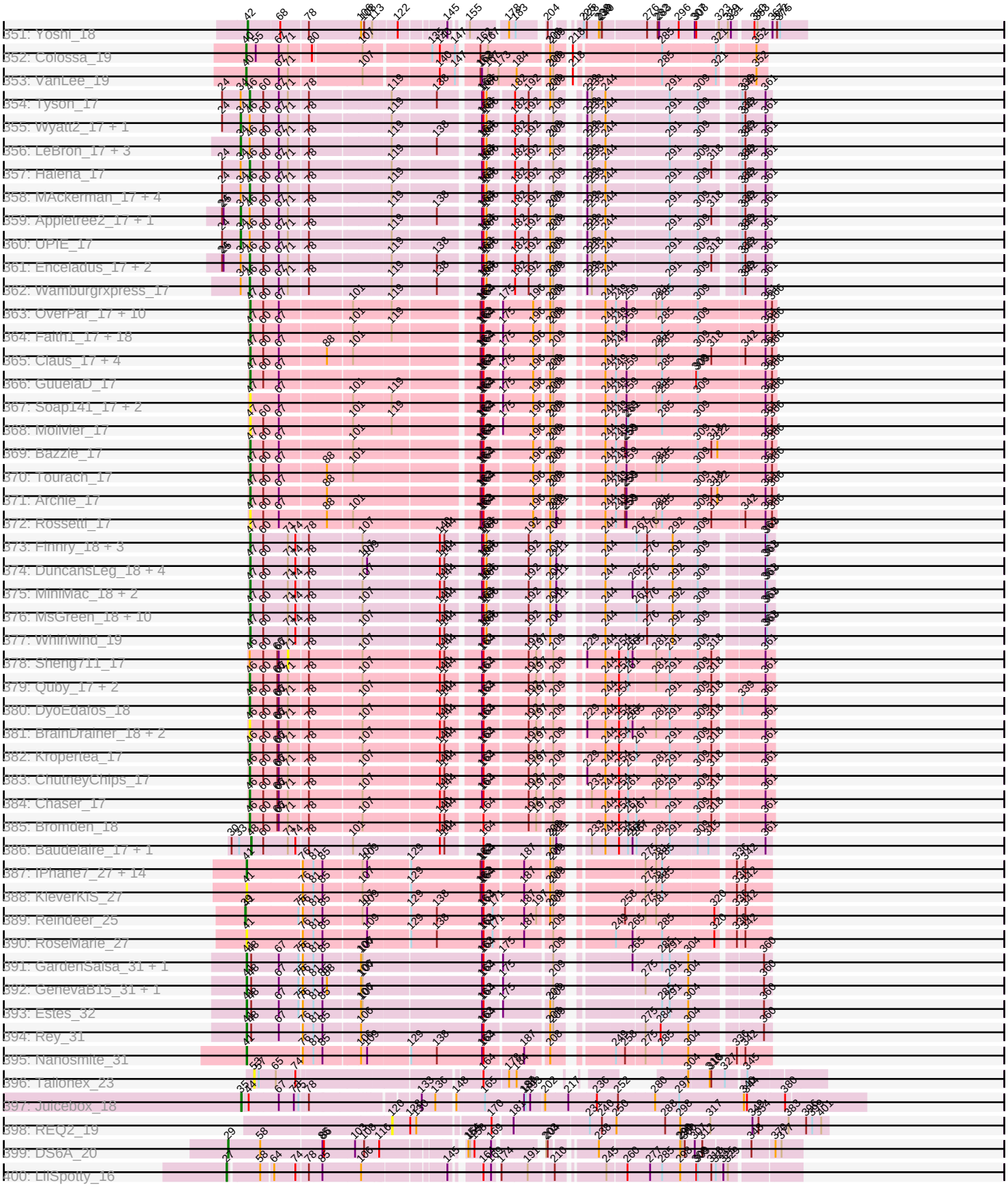
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251: Schnabeltier_18
252: ZAYM_18
253: Opie_18
254: Moonflower_18
255: Chipko_18
256: Dmitri_18
257: Bowser_18
258: PullumCavea_30 + 24
259: Egl03_30
260: Bakery_31 + 2
261: YungMoney_32
262: Fireball_31 + 1
263: Salvador_30 + 1
264: Mutzi_32
265: VanDeWege_33
266: RogerDodger_33
267: Clown_34
268: FuegoCuervo_36 + 1
269: ChadMasterC_34 + 4
270: Shivanishola_35 + 2
271: Geodirt_31 + 1
272: Fitzgerald_32 + 2
273: Ribeye_34
274: Saronaya_33 + 2
275: Kamashten_33 + 1
276: Brandonk123_35 + 1
277: Baddon_33 + 1
278: Angelicage_32 + 1
279: Keitabear_34
280: Lennon_34 + 1
281: Kroos_34 + 3
282: Gaea_33
283: Sanjuju_32 + 3
284: JKSyngboy_31
285: McCrothy_34 + 1
286: Ashertheman_34 + 4
287: YorkOnyx_34 + 1
288: LilHam_31
289: Tangent_34 + 2
290: Bibwit_33
291: RiverRaider_34
292: MoontowerMania_33
293: EMoore_30
294: Phauci_25 + 3
295: Belphegor_32
296: MelBins_33
297: Leonard_32 + 1
298: Twonlo_29 + 1
299: RoadKill_29
300: GTE6_31

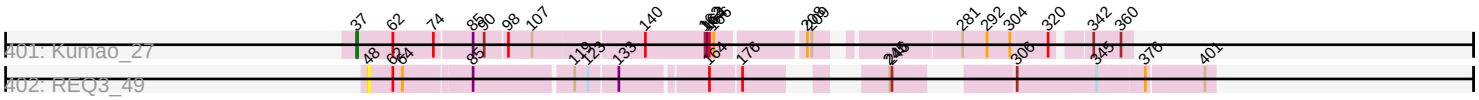
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301: Kwekel_31
302: Chickadee_31 + 2
303: Natkenzie_34 + 5
304: Zipp_33 + 3
305: APunk_35
306: Tardus_35
307: ViaConiectus_34
308: Zitch_35
309: Lilbeanie_29
310: BotCity_19 + 3
311: Malisha_20
312: ShawBrad_19 + 1
313: Phabuloso_19 + 2
314: Kamaru_19 + 3
315: Periwinkle_21 + 3
316: CheeseTouch_19
317: Phistory_20
318: Spooky_19
319: Squiddly_21
320: Apricot_18 + 1
321: Volt_54 + 2
322: Ronaldo_55
323: Keelan_50
324: Guey18_57
325: Octobien14_27
326: Sephiroth_27 + 1
327: Kudeire_26
328: Neville_27 + 1
329: Rabbitrun_29
330: Trax_27
331: Morgana_18
332: Calasso_18
333: Aleemily_18
334: ObLaDi_18
335: ModicumRichard_18
336: Arianna_18
337: Poushou_18 + 2
338: Lederberg_16
339: Dina_16 + 2
340: Bran_16
341: StAB_16
342: Adelaide_16
343: Stiles_16
344: MicyPS_16
345: PSonyx_16 + 1
346: Blarby_19
347: Demsculpinboyz_18
348: Zapher_19 + 3
349: Soul22_18
350: Che90_18

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351: Yoshi_18
352: Colossa_19
353: VanLee_19
354: Tyson_17
355: Wyatt2_17 + 1
356: LeBron_17 + 3
357: Halena_17
358: MAckerman_17 + 4
359: Appletree2_17 + 1
360: UPIE_17
361: Enceladus_17 + 2
362: Wamburgrxpress_17
363: OverPar_17 + 10
364: Faith1_17 + 18
365: Claus_17 + 4
366: GuuelaD_17
367: Soap141_17 + 2
368: MollMer_17
369: Bazzle_17
370: Tourach_17
371: Archie_17
372: Rossetti_17
373: Finnry_18 + 3
374: DuncansLeg_18 + 4
375: MiniMac_18 + 2
376: MsGreen_18 + 10
377: WhirlWind_19
378: Sheng711_17
379: Quby_17 + 2
380: DyoEdaios_18
381: BrainDrainer_18 + 2
382: Kropertea_17
383: ChutneyChips_17
384: Chaser_17
385: Bromden_18
386: Baudelaire_17 + 1
387: IPhane7_27 + 14
388: KleverKIS_27
389: Reindeer_25
390: RoseMarie_27
391: GardenSalsa_31 + 1
392: GenevaB15_31 + 1
393: Estes_32
394: Rey_31
395: Nanosmite_31
396: Tallonex_23
397: Juicebox_18
398: REQ2_19
399: DS6A_20
400: LilSpotty_16

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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 347016 Report

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

Pham number 347016 has 1141 members, 111 are drafts.

Phages represented in each track:
• Track 1 : DontArgue_25
• Track 2 : Kristoff_27, Rebeuca_27
• Track 3 : Rowdy_30, Shapes_30, DustyMartin_30
• Track 4 : RhynO_27
• Track 5 : Edison31_26
• Track 6 : Poompha_25
• Track 7 : KittenMittens_25, Drake94_25
• Track 8 : PeaceMeal1_25
• Track 9 : OKCentral2016_26, Goose_26, Chupacabra_26
• Track 10 : WalterMcMickey_26, Twister_26
• Track 11 : Severus_25
• Track 12 : Trike_24
• Track 13 : Eaglepride_27
• Track 14 : Topanga_26
• Track 15 : Kimba_27, Aneem_27, Flaverint_27, Salz_27, Hutc2_27, Bud_27, Bachome_27, Orange_27, Ebony_27, Insomnia_27, Jabith_27, Sham4_27, Joselito_27, Gilberta_27, Wolpertinger_26, Mabel_27, Fibonacci_27, Saskia_27, Mulciber_27, Snape_27, Petersenfast_27, Munch_27, Lucivia_27, Bowtie_27, Timothy_27, Et2Brutus_26, MaCh_27, TinyTimmy_27
• Track 16 : Refuge_30
• Track 17 : Pharaoh_27
• Track 18 : DarthPhader_28
• Track 19 : Steamy_28
• Track 20 : Zimmer_29
• Track 21 : Phlei_22
• Track 22 : Gail_26
• Track 23 : Jeeves_26
• Track 24 : SororFago_26
• Track 25 : Luchador_28
• Track 26 : Sunhee_26
• Track 27 : Anon_27
• Track 28 : Boohoo_29, Strosahl_29, DekHockey33_29, Looper_30, MinecraftSteve_30, Rosalind_29, Battleship_30, Oofda_29, JSwag_29, ShayRa_30, Soups_29, Waits_29, KatherineG_29, Nebulosus_29, Ravana_29, LastResort_29, Warrior24_29, Switzerland_29, Epsocamisio_29, ReMo_29, Anaysia_29, Remus_29
• Track 29 : Elle_27
• Track 30 : LogiBear_29

• Track 31 : Nedarya_28
• Track 32 : Lucyedi_28, PainterBoy_28, EagleEye_29
• Track 33 : 40AC_30
• Track 34 : MyraDee_24
• Track 35 : Kimona_23
• Track 36 : Trooper_27
• Track 37 : Serenity_26
• Track 38 : TipsytheTRex_26
• Track 39 : Benvolio_27, Echild_27
• Track 40 : Deloris_28, BengiVuitton_28
• Track 41 : Herbertwm_24
• Track 42 : Odin_26
• Track 43 : Terrific_29, Equemioh13_29, Flare16_27, Baehexic_28, Gratitude_29, Sknot_27, Updawg_29, Drake55_29, NaSiaTalie_27, Piro94_28, MiculUcigas_27, Centaur_29, WideWale_29
• Track 44 : Naji_30, D32_30, Tomathan_30, Pomar16_30, D29_27, Travvers_30
• Track 45 : Whabigail7_29, KingCyrus_29, Jerm_29, JoshKayV_29, AbbyPaige_29, Bugsy_29, Leviathan_29, LilTurb_29, Smeagan_29, Turbido_29, EvilGenius_29, Dignity_29, ChipMunk_29, Agape74_29
• Track 46 : First_0027
• Track 47 : Pukovnik_29
• Track 48 : Colin_30
• Track 49 : Adzzy_28, Ph8s_28
• Track 50 : IronMan_29
• Track 51 : WeiHuaDA_32
• Track 52 : Phaded_30, Bactobuster_28, Jaan_30, Landor_28
• Track 53 : Retro23_27, Dalmatian_27, DudeLittle_27
• Track 54 : L5_27, Koduck_28
• Track 55 : MissWhite_27
• Track 56 : BiancaTri92_29, Leogania_29
• Track 57 : BobSwaget_30, Rachaly_30
• Track 58 : Kerberos_30
• Track 59 : NothingSpecial_29
• Track 60 : ANI8_30, AN9_30, VA6_27, VC3_30, C3_25
• Track 61 : StarStuff_30
• Track 62 : Bradman_26, MajorMajor_26, Quokka_25
• Track 63 : AnnaL29_30
• Track 64 : Caraxes_26, Superchunk_26
• Track 65 : QueenBeesly_27, Georgie2_28, Anselm_27, SweetiePie_27, FiringLine_27, Crucio_27, Fameo_27, QueenB2_27, SnapTap_27, SemperFi_29, Power_27
• Track 66 : Loser_30
• Track 67 : AN3_27
• Track 68 : Larenn_28, Malec_28
• Track 69 : Iwokeuplikedis_28
• Track 70 : DBQu4n_30, Duplo_30
• Track 71 : Changeling_29
• Track 72 : NicoleTera_31
• Track 73 : Prudy_30
• Track 74 : ForesterFrank_29
• Track 75 : TarsusIV_27
• Track 76 : HippoHollow_28, LionsBait_28
• Track 77 : EZMoney23_31

• Track 78 : Trixie_30
• Track 79 : HarryHoudini_29
• Track 80 : CRB1_27, LadyBird_27
• Track 81 : Miko_30, Lokk_30
• Track 82 : Kalpine_30
• Track 83 : RedRock_30
• Track 84 : Acolyte_27
• Track 85 : Heffalump_29
• Track 86 : BabyBack_29, GaugeLDP_29
• Track 87 : SwirlSquare_28
• Track 88 : DeerParkTS_28
• Track 89 : Jsquared_26
• Track 90 : Journey13_25
• Track 91 : Tristan_28
• Track 92 : 20ES_27
• Track 93 : XianYue_27
• Track 94 : Che12_29
• Track 95 : ArcherNM_29
• Track 96 : Anthony_26
• Track 97 : FatCactus_25
• Track 98 : Kinmap_26
• Track 99 : Chargerpower_27
• Track 100 : Texage_26, Margo_27, QuinnKiro_26, ResDef_27, Veracruz_26, Lambert1_27, Norbert_26, Todacoro_27, Caviar_27, Panamaxus_26, Pocahontas_27, Noella_27, Hookmount_27, Popcicle_27, EtoileNova_27
• Track 101 : LBerry_28, Hercules11_28, Montavir_27, Sabinator_28, MadMarie_28, Croquant_29, Jobu08_28, AugsMagnumOpus_30, KADY_29, Cullens_28, Gwennie_28, Stagni_28, LugYA_30, Sabia_28, Lilith_28, EpicPhail_28, AgronaGT15_28, Dieselweasel_28, Malinsilva_30, Vix_28, Wooldri_30, Spike509_28, Grub_28, Phoebe_28, SoilDragon_28, Beauxregard13_28, Marie_28, Louie6_28, Methuselah_27, Bxz2_27, Soshari_30, StepMih_28, PGHhamlin_30, Misomonster_30, Penny1_28, Farber_28, Bigflo_28, Aglet_28, Tiffany_28, BreSam8_28, MarQuardt_28, GingkoMaracino_28, Watson_28, Microwolf_28, Phoxy_28, Fernando_28, MuchMore_30, BuzzBuzz_27, DaHudson_28, LarryKay_28, Colbster_28, Snickers_28, Lowa_28, Mainiac_28, Anubis_30, Rummer_28, Daishi_27, Pembroke_28, JHC117_28, GtownJaz_28, JenCasNa_28, Grif_28, Taurus_28, PotatoSplit_29, MoneyMay_28
• Track 102 : PhishRPhriends_27, Phranny_29, PurpleHaze_28, JeppNRM_29, Pawn_28, Gemma_28, Kalnoky_29, Calvinny_28, HaveUMetTed_29, Groupthink_29, ClownCar_28, ACFishhook_28, OlanP_28, Manu_29, Kalb97_29, Reba_29, Marius_29, Heliosoles_28
• Track 103 : Rockstar_26, JF2_26, B1_24, MK4_26, JF4_26
• Track 104 : Fred313_26, DropBear_26, HelDan_26, Heathen_26, Roimos_26, Kachowdy_26, Goose1X_26, Marchesa_26, Scout_26, Zarafa_26, Goose1D_26, Shep_26
• Track 105 : TinyPebbles_28, Grum1_28, HashRod_29
• Track 106 : Pistachio_27, Giroux_27, Idleandcovert_26, BlueBird_27, Puppy_27, Bugatti_27, Clammy_27, SaturnRing_26, TNguyen7_26
• Track 107 : BabyJohn_25, Chiqui_25
• Track 108 : Ollie_28
• Track 109 : SoYo_28
• Track 110 : Isca_26
• Track 111 : Phantastic_26

• Track 112 : BabyRay_26
• Track 113 : Cat_24
• Track 114 : MA5_26
• Track 115 : Zetzy_27
• Track 116 : P28Green_28
• Track 117 : MeeZee_26, JetBlade_26, Bombshell_26, Mayonnaise_26, Palestino_25, BubbleTrouble_26
• Track 118 : Mundrea_26
• Track 119 : Gadost_26, TinaFeyge_26, Florean_26, Nemo27_26, Caelakin_26, Dhanush_26, LittleB_26, Druantia_26, Eapen_26, Holli_26, Citius_26, Skipitt_26, Kingmustik0402_26, Funston_26, Rocksand_26, Eros_26, Burger_25, Lorenzo_26, Scamp_26, Chaph_26, HamSlice_25, TygerBlood_26, Albee_26, ICleared_26, RockieBear_26, Flux_26, Phacado_26, Northrop_26, Melvin_26, Mazhar510_26, KekoraPapaka_25, Millski_25, SenorClean_26, Morrow_26, YoSam321_26, Polymorphads_26, NotAPhaseMom_26, Sultana_26, CentreCat_26, Bruiser_25, LappelDuVide_26, Blackmoor_26, Eris_25, Wander_26, Clarenza_26, Pumbaa_26, Huxley_26, Roosevelt_26, Bartimeaus_26, JoongJeon_26, Cocoaberry_26, SteMason_26, Houdini22_26, Baby16_26, BellusTerra_26, TiroTheta9_26, Iceman_27, Koan_26, Eurydice_26, Avle17_26
• Track 120 : Alberto7_27, KFPoly_26, Connomayer_26, Kratark_26, Medusa_26, Kampy_26, TroyPia_26, Taquarus_26, Kyee_26, Wilbur_26, Eagle_25, Kremtemulon_26, Ohfah_26, OKaNui_27, Phelipe_26, Relief_26, Maxo_26, Koreni_25, Lemur_26, DirtyDunning_26, Peaches_26, Nyxis_26, Jaykayelowell_26, Spino_26, Skadoosh_26, Ruin_26, Pipcraft_26, Junimo_25, PeterPeter_26, Deano_26, Romney_26
• Track 121 : LHTSCC_27, Cerulean_27, BangNhom_26, SheldonCooper_27, ChampagnePapi_27, Obama12_27
• Track 122 : Phighter1804_26, Happiness_26, LochMonster_26
• Track 123 : Camperdownii_25
• Track 124 : LittleGuy_26, Phontbonne_26, Abdiel_25, Nebs_26, Sparxx_26
• Track 125 : Lunsford_27, Commander_26, Ulysses_25, Iracema64_27
• Track 126 : Bumblebee11_26, Katalie136_26, Morpher26_26, AbbysRanger_26
• Track 127 : Backyardigan_26, Cici_26, Wile_26, Xena_26, Badger_26, Datway_26, Achebe_25, Perplexer_26
• Track 128 : LeoAvram_26
• Track 129 : Buckaroo_25
• Track 130 : Arturo_25
• Track 131 : PetiteSangsue_26
• Track 132 : Stink_27, Miramae_26, AvatarAhPeg_27
• Track 133 : Maverick_26
• Track 134 : Shygu2_26
• Track 135 : Sabertooth_26, Broseidon_26, Wizard007_26
• Track 136 : Noelle_26
• Track 137 : Cintron_26, Shaka_26
• Track 138 : Thanksgivukkah_26
• Track 139 : Cindaradix_25
• Track 140 : Tinybot_25
• Track 141 : Stasia_27
• Track 142 : Rosa24_25
• Track 143 : Annyong_26
• Track 144 : NorthStar_26
• Track 145 : AgentM_23, Lev2_23, PickleBack_23, Phlorence_23, Aragog_23, Discoknowium_23

• Track 146 : Tarynearal_22, Micasa_23, George_22, Cuco_23, Milcery_23, HuhtaEnerson15_23, Prinashe11_23, Swirley_23
• Track 147 : Archetta_23, Bluefalcon_22, ForGetIt_23, Jovo_23, Ghoulboy_23, Conspiracy_23, SydNat_23, Zolita_22
• Track 148 : Coog_23, Midas2_23, Dublin_22, MarysWell_22
• Track 149 : Theia_21, Twigg_23
• Track 150 : PetterN_24
• Track 151 : LittleCherry_23, Bonamassa_23, Tiger_23
• Track 152 : Chadwick_24, Naca_23
• Track 153 : Florence1_23, Florence4_24
• Track 154 : UnionJack_23, Airmid_23
• Track 155 : ElTiger69_23
• Track 156 : Scorpia_24, Benedict_23
• Track 157 : Jabiru_23
• Track 158 : VohminGhazi_30, SuperAwesome_30, JewelBug_30, Polyphemus_30, McFly_30, GreedyLawyer_30, Neeharika16_30, Imbriano_30, Kazan_30, Isiphiwo_30, EricB_30, BABullseye_30, SmellyB_30, BennyP_30, Newrala_30, Chartreuse_30, Kipper29_30, Dorothea_30, Jordennis_30, Pmask_30, DaVinci_30, Cookiedough_30, DelvinSonDorr_29, SuperCallie99_30, Hoot_30
• Track 159 : Indra_30, Garak_31, Helmet_30, Temprado_30
• Track 160 : Hexamo_30, BlessJoy_30, CloudWang3_30, Gladiator_30, Jeffabunny_30, Blue7_30, Wiks_30, Tucker_30, Hammer_30, Zaka_30, Lilbunny_30, Yokurt_30, Gruunaga_30, ToneTone_28, Artemis2UCLA_30, Roksolana_30, Zulu_30, WunderPhul_30
• Track 161 : Blinn1_30, Priamo_30
• Track 162 : Rifter_30
• Track 163 : Koko_30
• Track 164 : Candra_30
• Track 165 : PP_36
• Track 166 : Smeadley_23, Danforth_22, Expelliarmus_22, Dixon_23, Saintus_23, NearlyHeadless_23, Caitlin_23, Roary_23, Astro_23
• Track 167 : Phillis_23, Groundhog_22
• Track 168 : Stephig9_23
• Track 169 : Jiawan_28, Conquerage_28, Phaeder_28, Spouty_28, Beemo_28, RyeScarlet_28, EmyBug_28, Aliter_28, Priya_28, Tubs_28, Holex_28, Hanray_28, Catalina_28, Pioneer_28, EdogawaKiddo_28, Onglai_27, Qobbit_28, ExplosioNervosa_28, Eidsmoe_28, Ugenie5_25, HortumSL17_28, PackMan_28, Fayely_28, Myxus_28, Phonnegut_28, Ayanochan_28, Lilleskat_28, Sachima_28, Scherzo_28, Alma_28
• Track 170 : Darrell_29
• Track 171 : Charm_27
• Track 172 : Rahalelujah_26, Bellris_26, CogOmlette_25, WorldCup_25
• Track 173 : Toaka_26
• Track 174 : Vanisoa_26
• Track 175 : BogosyJay_28
• Track 176 : SheaKeira_27
• Track 177 : Celestialunch_26, MegTheThird_26
• Track 178 : LoneWolf_28
• Track 179 : Elephantoon_28
• Track 180 : Yecey3_27
• Track 181 : Keziacharles14_26
• Track 182 : Maminiaina_28
• Track 183 : Minispark_25

• Track 184 : Arissanae_26
• Track 185 : Klodlith_27, DreamTeam1_27
• Track 186 : Espica_22, Belenaria_22, RER2_15, StCroix_22, Alatin_22, Naiad_22, Natosaleda_22, Swann_22, UhSalsa_22, RexFury_22, Nancinator_22
• Track 187 : Rasputin_22, Alpacados_21, BobbyDazzler_22, Bonanza_22, Yoncess_22, Yogi_22
• Track 188 : Gollum_22
• Track 189 : Hiro_22, Krishelle_22, PhailMary_21, AppleCloud_20, Jester_22
• Track 190 : Phrankenstein_22, Bradshaw_22, TWAMP_22, Lillie_22, Erik_22, Rhodalysa_22, CosmicSans_22
• Track 191 : Dinger_22, Partridge_22
• Track 192 : AngryOrchard_21, Takoda_22
• Track 193 : Bryce_22, Harlequin_22
• Track 194 : Shuman_22
• Track 195 : RGL3_15
• Track 196 : Eliott_17, PsychoKiller_17, Bubble_17, Burnsey_17, Cozz_17, RADical_18, Sopespian_17, GoldHunter_17
• Track 197 : Bavilard_17, Yucky_17, CocoaPuff_16, Tarnish_17, Vine_18
• Track 198 : ChocoMunchkin_17, CanesSauce_17, CaramelLatte_17
• Track 199 : Malvina_19
• Track 200 : Feastonyeet_16, BigChungus_16
• Track 201 : McDazzle_16, ElJefes_16
• Track 202 : Amok_16
• Track 203 : Mayweather_18, Pons_17
• Track 204 : CherryonLim_18
• Track 205 : RedBaron_19, Nina_18, Starburst_18, Agatha_17, Typhonomachy_17, Quasar_17, Carsonalex_18, Socotra_18, Axym_17, RSchmailzl_18
• Track 206 : SweatNTears_19, SketchMex_16, Blondies_18, Biskit_18, Buttrmlkdreams_17
• Track 207 : Jamzy_20
• Track 208 : Balloona_16, SummitAcademy_16, PotPie_17, Lauer_16
• Track 209 : Survivors_19, MaVan_19, Zareef_19
• Track 210 : Dre3_17, Gibbous_17
• Track 211 : HippoPololi_19
• Track 212 : AndPeggy_16, BillDoor_19, Yarn_16, SteamedHams_19, Tolls_19
• Track 213 : MScarn_19
• Track 214 : AikoCarson_16, Emalyn_16
• Track 215 : Wolfwood_19, Nibbles_19
• Track 216 : Yakult_18
• Track 217 : Button_18
• Track 218 : ChickenTender_19
• Track 219 : SheckWes_16
• Track 220 : Azira_19
• Track 221 : Nodigi_19
• Track 222 : Wallaby_21
• Track 223 : Margaret_20
• Track 224 : Hexbug_19
• Track 225 : Cleo_17
• Track 226 : MAnor_17
• Track 227 : Troje_17, Horseradish_18, Yummy_18
• Track 228 : Elinal_18, KayGee_17
• Track 229 : MunkgeeRoachy_17
• Track 230 : GTE2_15

• Track 231 : Fribs8_18
• Track 232 : GiKK_20
• Track 233 : Orla_19
• Track 234 : RanchParmCat_20
• Track 235 : RayTheFireFly_18
• Track 236 : Kiko_19
• Track 237 : BBQValindra_18
• Track 238 : Coriander_18
• Track 239 : DirtyBoi_19
• Track 240 : Bunker_18
• Track 241 : Hedwig_19
• Track 242 : BackstagePass_18
• Track 243 : Doggs_17
• Track 244 : PatriciaStar_17
• Track 245 : TaronosaurasRx_18
• Track 246 : Jecs_19
• Track 247 : GEazy_18
• Track 248 : NaLuna_18, HannahD_18
• Track 249 : MagicMan_18
• Track 250 : Eyes_18
• Track 251 : Schnabeltier_18
• Track 252 : ZAYM_18
• Track 253 : Opie_18
• Track 254 : Moonflower_18
• Track 255 : Chipko_18
• Track 256 : Dmitri_18
• Track 257 : Bowser_18
• Track 258 : PullumCavea_30, Gezellig_30, CherryCola_33, Valary_33, CoveyB_32, Nubi_30, Togo_30, Danyall_32, JohnPork_30, Savbucketdawg_30, Portcullis_30, Wizard_30, Phlop_30, KimmyK_32, SmokingBunny_30, Fugax_32, PinkCoffee_32, Shinji_30, Barb_32, Twister6_32, Arri_33, ClamChowder_32, Jambalaya_30, Sendy_31, Halo3_31
• Track 259 : Egi03_30
• Track 260 : Bakery_31, SharkTale_30, Sixsevenium_31
• Track 261 : YungMoney_32
• Track 262 : Fireball_31, TillyBobJoe_30
• Track 263 : Salvador_30, Evamon_30
• Track 264 : Mutzi_32
• Track 265 : VanDeWege_33
• Track 266 : RogerDodger_33
• Track 267 : Clown_34
• Track 268 : FuegoCuervo_36, Fosterous_32
• Track 269 : ChadMasterC_34, Rofo_34, McKinley_36, Vivi2_36, Paries_36
• Track 270 : Shivanishola_35, Affeca_32, Sedona_34
• Track 271 : Geodirt_31, Kewpiedoll_33
• Track 272 : Fitzgerald_32, BobBob_31, Charming_34
• Track 273 : Ribeye_34
• Track 274 : Saronaya_33, Gustavo_33, Tangerine_33
• Track 275 : Kamashten_33, Thing3_33
• Track 276 : Brandonk123_35, Nordenberg_28
• Track 277 : Baddon_33, Derg_29
• Track 278 : Angelicage_32, Brawn1_30
• Track 279 : Keitabear_34

• Track 280 : Lennon_34, Sitar_34
• Track 281 : Kroos_34, Tycho_33, Bizzy_34, Kwobi_35
• Track 282 : Gaea_33
• Track 283 : Sanjuju_32, Barsten_34, Jabberwocky_32, Ailee_32
• Track 284 : JKSyngboy_31
• Track 285 : McCrothy_34, Love_37
• Track 286 : Asherthеman_34, StorminNorm_33, Stichling_31, Baumdotcom_33, SchottB_32
• Track 287 : YorkOnyx_34, Flatwoods_34
• Track 288 : LilHam_31
• Track 289 : Tangent_34, Galadriel_34, Stultus_32
• Track 290 : Bibwit_33
• Track 291 : RiverRaider_34
• Track 292 : MoontowerMania_33
• Track 293 : EMoore_30
• Track 294 : Phauci_25, Ali17_30, Hans_34, Inspectinfecti_33
• Track 295 : Belphegor_32
• Track 296 : MelBins_33
• Track 297 : Leonard_32, Phinally_32
• Track 298 : Twonlo_29, Dexdert_32
• Track 299 : RoadKill_29
• Track 300 : GTE6_31
• Track 301 : Kwekel_31
• Track 302 : Chickadee_31, Tiamoceli_32, EdmundFerry_30
• Track 303 : Natkenzie_34, Sampson_34, BigHunkinEater_37, Abblin_34, Scioto_34, Pumpkiney_35
• Track 304 : Zipp_33, DoctorFroggo_33, Verity_33, Delrey21_33
• Track 305 : APunk_35
• Track 306 : Tardus_35
• Track 307 : ViaConlectus_34
• Track 308 : Zitch_35
• Track 309 : Lilbeanie_29
• Track 310 : BotCity_19, BENtherdunthat_19, Frickyeah_19, Asapag_19
• Track 311 : Malisha_20
• Track 312 : ShawBrad_19, Leroy_19
• Track 313 : Phabuloso_19, Holliday_19, Lutum_19
• Track 314 : Kamaru_19, Kenna_18, LitninMcQueen_19, Budski_19
• Track 315 : Periwinkle_21, Getalong_20, Horus_19, Whitney_20
• Track 316 : CheeseTouch_19
• Track 317 : Phistory_20
• Track 318 : Spooky_19
• Track 319 : Squiddly_21
• Track 320 : Apricot_18, Crater_17
• Track 321 : Volt_54, Fryberger_52, Ziko_55
• Track 322 : Ronaldo_55
• Track 323 : Keelan_50
• Track 324 : Guey18_57
• Track 325 : Octobien14_27
• Track 326 : Sephiroth_27, Syleon_27
• Track 327 : Kudefre_26
• Track 328 : Neville_27, LilJank_27
• Track 329 : Rabbitrun_29
• Track 330 : Trax_27

• Track 331 : Morgana_18
• Track 332 : Cafasso_18
• Track 333 : Aleemily_18
• Track 334 : ObLaDi_18
• Track 335 : ModicumRichard_18
• Track 336 : Arianna_18
• Track 337 : Poushou_18, TouchMeNot_18, Colleen_18
• Track 338 : Lederberg_16
• Track 339 : Dina_16, SamW_16, Troy_16
• Track 340 : Bran_16
• Track 341 : StAB_16
• Track 342 : Adelaide_16
• Track 343 : Stiles_16
• Track 344 : MicyPS_16
• Track 345 : PSonyx_16, Taotie_16
• Track 346 : Blarby_19
• Track 347 : Demsculpinboyz_18
• Track 348 : Zapner_19, Avani_18, SilverChicken_18, Jabbawokkie_20
• Track 349 : Soul22_18
• Track 350 : Che9d_18
• Track 351 : Yoshi_18
• Track 352 : Colossa_19
• Track 353 : VanLee_19
• Track 354 : Tyson_17
• Track 355 : Wyatt2_17, Acquire49_17
• Track 356 : LeBron_17, Calm_17, Zaria_17, CicholasNage_17
• Track 357 : Halena_17
• Track 358 : MAckerman_17, AvadaKedavra_17, Silverleaf_17, Rose5_17, Poochiewood_17
• Track 359 : Appletree2_17, JoeDirt_17
• Track 360 : UPIE_17
• Track 361 : Enceladus_17, DirkDirk_17, OhShagHennessy_17
• Track 362 : Wamburgrxpress_17
• Track 363 : OverPar_17, Hiraya_17, Loadrie_17, Kahlid_17, Nicholasp3_17, Lynnae_17, Underpass_17, ChengKai98_17, Gardann_17, Wilder_17, Wigglewiggle_17
• Track 364 : Faith1_17, DrSeegs_17, Zakai_17, Crossroads_17, Gabriela_17, SoJulia_17, Itos_17, Finemlucis_17, Breezona_17, BigCheese_17, MkaliMitinis3_17, Rumpelstiltskin_17, BobsGarage_17, Netyap_17, LilDestine_17, Lewan_17, Miley16_17, Vetrix_17, Winky_17
• Track 365 : Claus_17, ZhongYanYuan_16, DanBing_16, Baoshan_16, DHan_17
• Track 366 : GuuelaD_17
• Track 367 : Soap141_17, Sarshaun_17, Hafay_17
• Track 368 : Molivier_17
• Track 369 : Bazzle_17
• Track 370 : Tourach_17
• Track 371 : Archie_17
• Track 372 : Rossetti_17
• Track 373 : Finnry_18, Bellis_18, Samty_18, Moostard_18
• Track 374 : DuncansLeg_18, BourbonZero_17, KirDoubleO7_16, LiyuLake_18, Ellson_18
• Track 375 : MiniMac_18, Lolly9_18, MiniLon_18

• Track 376 : MsGreen_18, Jobypre_18, Red305_18, Jubie_18, Snenia_18, Krypton555_18, Kingsolomon_18, Clautastrophe_18, TriFive_18, Nicholas_18, Lumos_18
• Track 377 : Whirlwind_19
• Track 378 : Sheng711_17
• Track 379 : Quby_17, Douge_17, FarmResident_17
• Track 380 : DyoEdafos_18
• Track 381 : BrainDrainer_18, Douzhi_17, PYPDinur_17
• Track 382 : Kropertea_17
• Track 383 : ChutneyChips_17
• Track 384 : Chaser_17
• Track 385 : Bromden_18
• Track 386 : Baudelaire_17, Aegeus_17
• Track 387 : IPhane7_27, Auspice_27, TpudiCK_28, Izel_28, Glaske16_28, TyDawg_27, Bricole_27, FreakyGoo_28, Dulcita_28, LilhomieP_26, Bongo_27, SlimJimmy_26, PegLeg_27, Diminimus_28, Skinny_28
• Track 388 : KleverKiS_27
• Track 389 : Reindeer_25
• Track 390 : RoseMarie_27
• Track 391 : GardenSalsa_31, MrMagoo_31
• Track 392 : GenevaB15_31, Aziz_31
• Track 393 : Estes_32
• Track 394 : Rey_31
• Track 395 : Nanosmite_31
• Track 396 : Tailonex_23
• Track 397 : Juicebox_18
• Track 398 : REQ2_19
• Track 399 : DS6A_20
• Track 400 : LilSpotty_16
• Track 401 : Kumao_27
• Track 402 : REQ3_49

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

The start number called the most often in the published annotations is 53, it was called in 355 of the 1030 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ACFishhook_28, Abdiel_25, AgentM_23, Aglet_28, AgronaGT15_28, Airmid_23, Alatin_22, Albee_26, Alberto7_27, Alpacados_21, AngryOrchard_21, Annyong_26, Anubis_30, AppleCloud_20, Aragog_23, Archetta_23, Arturo_25, Astro_23, AugsMagnumOpus_30, Avle17_26, B1_24, Baby16_26, BabyJohn_25, BabyRay_26, BangNhom_26, Bartimeaus_26, Beauxregard13_28, Belenaria_22, BellusTerra_26, Benedict_23, Bigflo_28, Blackmoor_26, BlueBird_27, Bluefalcon_22, BobbyDazzler_22, Bombshell_26, Bonamassa_23, Bonanza_22, Bradshaw_22, BreSam8_28, Broseidon_26, Bruiser_25, Bryce_22, BubbleTrouble_26, Buckaroo_25, Bugatti_27, Burger_25, BuzzBuzz_27, Bxz2_27, Caelakin_26, Caitlin_23, Calvinny_28, Camperdownii_25, Cat_24, Caviar_27, CentreCat_26, Cerulean_27, Chadwick_24, ChampagnePapi_27, Chaph_26, Chiqui_25, Chupacabra_26, Cintron_26, Citius_26, Clammy_27, Clarenza_26, ClownCar_28,

Cocoaberry_26, Colbster_28, Commander_26, Connomayer_26, Conspiracy_23, Coog_23, CosmicSans_22, Croquant_29, Cuco_23, Cullens_28, DaHudson_28, Daishi_27, Danforth_22, Deano_26, Dhanush_26, Dieselweasel_28, Dinger_22, DirtyDunning_26, Discoknowium_23, Dixon_23, DontArgue_25, Drake94_25, DropBear_26, Druantia_26, Dublin_22, DustyMartin_30, Eagle_25, Eaglepride_27, Eapen_26, Edison31_26, ElTiger69_23, EpicPhail_28, Erik_22, Eris_25, Eros_26, Espica_22, EtoileNova_27, Eurydice_26, Expelliarmus_22, Farber_28, Fernando_28, Florean_26, Florence1_23, Florence4_24, Flux_26, ForGetIt_23, Fred313_26, Funston_26, Gadost_26, Gemma_28, George_22, Ghoulboy_23, GingkoMaracino_28, Giroux_27, Gollum_22, Goose1D_26, Goose1X_26, Goose_26, Grif_28, Groundhog_22, Groupthink_29, Grub_28, Grum1_28, GtownJaz_28, Gwennie_28, HamSlice_25, Happiness_26, Harlequin_22, HashRod_29, HaveUMetTed_29, Heathen_26, HelDan_26, Heliosoles_28, Hercules11_28, Hiro_22, Holli_26, Hookmount_27, Houdini22_26, HuhtaEnerson15_23, Huxley_26, ICleared_26, Iceman_27, Idleandcovert_26, Iracema64_27, Isca_26, JF2_26, JF4_26, JHC117_28, Jabiru_23, Jaykayelowell_26, JenCasNa_28, JeppNRM_29, Jester_22, JetBlade_26, Jobu08_28, JoongJeon_26, Jovo_23, Junimo_25, KADY_29, KFPoly_26, Kachowdy_26, Kalb97_29, Kalnoky_29, Kampy_26, KekoraPapaka_25, Kimona_23, Kingmustik0402_26, KittenMittens_25, Koan_26, Koreni_25, Kratark_26, Kremtemulon_26, Krishelle_22, Kristoff_27, Kyee_26, LBerry_28, LHTSCC_27, Lambert1_27, LappelDuVide_26, LarryKay_28, Lemur_26, LeoAvram_26, Lev2_23, Lilith_28, Lillie_22, LittleB_26, LittleCherry_23, LittleGuy_26, LochMonster_26, Lorenzo_26, Louie6_28, Lowa_28, LugYA_30, Lunsford_27, MA5_26, MK4_26, MadMarie_28, Mainiac_28, Malinsilva_30, Manu_29, MarQuardt_28, Marchesa_26, Margo_27, Marie_28, Marius_29, MarysWell_22, Maverick_26, Maxo_26, Mayonnaise_26, Mazhar510_26, Medusa_26, MeeZee_26, Melvin_26, Methuselah_27, Micasa_23, Microwolf_28, Midas2_23, Milcery_23, Millski_25, Misomonster_30, MoneyMay_28, Montavir_27, Morrow_26, MuchMore_30, MyraDee_24, Naca_23, Naiad_22, Nancinator_22, Natosaleda_22, NearlyHeadless_23, Nebs_26, Nemo27_26, Noella_27, Norbert_26, NorthStar_26, Northrop_26, NotAPhaseMom_26, Nyxis_26, OKCentral2016_26, OKaNui_27, Obama12_27, Ohfah_26, OlanP_28, Ollie_28, P28Green_28, PGHhamlin_30, Palestino_25, Panamaxus_26, Partridge_22, Pawn_28, PeaceMeal1_25, Peaches_26, Pembroke_28, Penny1_28, PeterPeter_26, PetterN_24, Phacado_26, PhailMary_21, Phantastic_26, Phelipe_26, Phighter1804_26, Phillis_23, PhishRPhriends_27, Phlorence_23, Phoebe_28, Phontbonne_26, Phoxy_28, Phrankenstein_22, Phranny_29, PickleBack_23, Pipcraft_26, Pistachio_27, Pocahontas_27, Polymorphads_26, Poompha_25, Popcicle_27, PotatoSplit_29, Prinashe11_23, Pumbaa_26, Puppy_27, PurpleHaze_28, QuinnKiro_26, RER2_15, RGL3_15, Rasputin_22, Reba_29, Rebeuca_27, Relief_26, ResDef_27, RexFury_22, Rhodalysa_22, RhynO_27, Roary_23, RockieBear_26, Rocksand_26, Rockstar_26, Roimos_26, Romney_26, Roosevelt_26, Rowdy_30, Ruin_26, Rummer_28, Sabertooth_26, Sabia_28, Sabinator_28, Saintus_23, SaturnRing_26, Scamp_26, Scorpia_24, Scout_26, SenorClean_26, Severus_25, Shaka_26, Shapes_30, SheldonCooper_27, Shep_26, Shuman_22, Skadoosh_26, Skipitt_26, Smeadley_23, Snickers_28, SoYo_28, SoilDragon_28, Soshari_30, Sparxx_26, Spike509_28, Spino_26, StCroix_22, Stagni_28, SteMason_26, StepMih_28, Stephig9_23, Sultana_26, Swann_22, Swirley_23, SydNat_23, TNguyen7_26, TWAMP_22, Tailonex_23, Takoda_22, Taquarus_26, Tarynearal_22, Taurus_28, Texage_26, Thanksgivukkah_26, Theia_21, Tiffany_28, Tiger_23, TinaFeyge_26, TinyPebbles_28, Tinybot_25, TiroTheta9_26, Todacoro_27, Topanga_26, Trike_24, TroyPia_26, Twigg_23, Twister_26, TygerBlood_26, UhSalsa_22, Ulysses_25, UnionJack_23, Veracruz_26, Vix_28, WalterMcMickey_26, Wander_26, Watson_28,

Wilbur_26, Wizard007_26, Wooldri_30, YoSam321_26, Yogi_22, Yoncess_22, Zarafa_26, Zetzy_27, Zolita_22,

Genes that have the "Most Annotated" start but do not call it:
• Rosa24_25,

Genes that do not have the "Most Annotated" start:
• 20ES_27, 40AC_30, AN3_27, AN9_30, ANI8_30, APunk_35, Abblin_34, AbbyPaige_29, AbbysRanger_26, Achebe_25, Acolyte_27, Acquire49_17, Adelaide_16, Adzzy_28, Aegeus_17, Affeca_32, Agape74_29, Agatha_17, AikoCarson_16, Ailee_32, Aleemily_18, Ali17_30, Aliter_28, Alma_28, Amok_16, Anaysia_29, AndPeggy_16, Aneem_27, Angelicage_32, AnnaL29_30, Anon_27, Anselm_27, Anthony_26, Appletree2_17, Apricot_18, ArcherNM_29, Archie_17, Arianna_18, Arissanae_26, Arri_33, Artemis2UCLA_30, Asapag_19, Ashertheman_34, Auspice_27, AvadaKedavra_17, Avani_18, AvatarAhPeg_27, Axym_17, Ayanochan_28, Azira_19, Aziz_31, BABullseye_30, BBQValindra_18, BENtherdunthat_19, BabyBack_29, Bachome_27, BackstagePass_18, Backyardigan_26, Bactobuster_28, Baddon_33, Badger_26, Baehexic_28, Bakery_31, Balloona_16, Baoshan_16, Barb_32, Barsten_34, Battleship_30, Baudelaire_17, Baumdotcom_33, Bavilard_17, Bazzle_17, Beemo_28, Bellis_18, Bellris_26, Belphegor_32, BengiVuitton_28, BennyP_30, Benvolio_27, BiancaTri92_29, Bibwit_33, BigCheese_17, BigChungus_16, BigHunkinEater_37, BillDoor_19, Biskit_18, Bizzy_34, Blarby_19, BlessJoy_30, Blinn1_30, Blondies_18, Blue7_30, BobBob_31, BobSwaget_30, BobsGarage_17, BogosyJay_28, Bongo_27, Boohoo_29, BotCity_19, BourbonZero_17, Bowser_18, Bowtie_27, Bradman_26, BrainDrainer_18, Bran_16, Brandonk123_35, Brawn1_30, Breezona_17, Bricole_27, Bromden_18, Bubble_17, Bud_27, Budski_19, Bugsy_29, Bumblebee11_26, Bunker_18, Burnsey_17, Button_18, Buttrmlkdreams_17, C3_25, CRB1_27, Cafasso_18, Calm_17, Candra_30, CanesSauce_17, CaramelLatte_17, Caraxes_26, Carsonalex_18, Catalina_28, Celestialunch_26, Centaur_29, ChadMasterC_34, Changeling_29, Chargerpower_27, Charm_27, Charming_34, Chartreuse_30, Chaser_17, Che12_29, Che9d_18, CheeseTouch_19, ChengKai98_17, CherryCola_33, CherryonLim_18, Chickadee_31, ChickenTender_19, ChipMunk_29, Chipko_18, ChocoMunchkin_17, ChutneyChips_17, CicholasNage_17, Cici_26, Cindaradix_25, ClamChowder_32, Claus_17, Clautastrophe_18, Cleo_17, CloudWang3_30, Clown_34, CocoaPuff_16, CogOmlette_25, Colin_30, Colleen_18, Colossa_19, Conquerage_28, Cookiedough_30, Coriander_18, CoveyB_32, Cozz_17, Crater_17, Crossroads_17, Crucio_27, D29_27, D32_30, DBQu4n_30, DHan_17, DS6A_20, DaVinci_30, Dalmatian_27, DanBing_16, Danyall_32, Darrell_29, DarthPhader_28, Datway_26, DeerParkTS_28, DekHockey33_29, Deloris_28, Delrey21_33, DelvinSonDorr_29, Demsculpinboyz_18, Derg_29, Dexdert_32, Dignity_29, Diminimus_28, Dina_16, DirkDirk_17, DirtyBoi_19, Dmitri_18, DoctorFroggo_33, Doggs_17, Dorothea_30, Douge_17, Douzhi_17, DrSeegs_17, Drake55_29, Dre3_17, DreamTeam1_27, DudeLittle_27, Dulcita_28, DuncansLeg_18, Duplo_30, DyoEdafos_18, EMoore_30, EZMoney23_31, EagleEye_29, Ebony_27, Echild_27, EdmundFerry_30, EdogawaKiddo_28, Egi03_30, Eidsmoe_28, ElJefes_16, Elephantoon_28, Elinal_18, Eliott_17, Elle_27, Ellson_18, Emalyn_16, EmyBug_28, Enceladus_17, Epsocamisio_29, Equemioh13_29, EricB_30, Estes_32, Et2Brutus_26, Evamon_30, EvilGenius_29, ExplosioNervosa_28, Eyes_18, Faith1_17, Fameo_27, FarmResident_17, FatCactus_25, Fayely_28, Feastonyeet_16, Fibonacci_27, Finemlucis_17, Finnry_18, Fireball_31, FiringLine_27, First_0027, Fitzgerald_32, Flare16_27, Flatwoods_34, Flaverint_27, ForesterFrank_29, Fosterous_32, FreakyGoo_28, Fribs8_18,

Frickyeah_19, Fryberger_52, FuegoCuervo_36, Fugax_32, GEazy_18, GTE2_15, GTE6_31, Gabriela_17, Gaea_33, Gail_26, Galadriel_34, Garak_31, Gardann_17, GardenSalsa_31, GaugeLDP_29, GenevaB15_31, Geodirt_31, Georgie2_28, Getalong_20, Gezellig_30, GiKK_20, Gibbous_17, Gilberta_27, Gladiator_30, Glaske16_28, GoldHunter_17, Gratitude_29, GreedyLawyer_30, Gruunaga_30, Guey18_57, Gustavo_33, GuuelaD_17, Hafay_17, Halena_17, Halo3_31, Hammer_30, HannahD_18, Hanray_28, Hans_34, HarryHoudini_29, Hedwig_19, Heffalump_29, Helmet_30, Herbertwm_24, Hexamo_30, Hexbug_19, HippoHollow_28, HippoPololi_19, Hiraya_17, Holex_28, Holliday_19, Hoot_30, Horseradish_18, HortumSL17_28, Horus_19, Hutc2_27, IPhane7_27, Imbriano_30, Indra_30, Insomnia_27, Inspectinfecti_33, IronMan_29, Isiphiwo_30, Itos_17, Iwokeuplikedis_28, Izel_28, JKSyngboy_31, JSwag_29, Jaan_30, Jabbawokkie_20, Jabberwocky_32, Jabith_27, Jambalaya_30, Jamzy_20, Jecs_19, Jeeves_26, Jeffabunny_30, Jerm_29, JewelBug_30, Jiawan_28, Jobypre_18, JoeDirt_17, JohnPork_30, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jsquared_26, Jubie_18, Juicebox_18, Kahlid_17, Kalpine_30, Kamaru_19, Kamashten_33, Katalie136_26, KatherineG_29, KayGee_17, Kazan_30, Keelan_50, Keitabear_34, Kenna_18, Kerberos_30, Kewpiedoll_33, Keziacharles14_26, Kiko_19, Kimba_27, KimmyK_32, KingCyrus_29, Kingsolomon_18, Kinmap_26, Kipper29_30, KirDoubleO7_16, KleverKiS_27, Klodlith_27, Koduck_28, Koko_30, Kroos_34, Kropertea_17, Krypton555_18, Kudefre_26, Kumao_27, Kwekel_31, Kwobi_35, L5_27, LadyBird_27, Landor_28, Larenn_28, LastResort_29, Lauer_16, LeBron_17, Lederberg_16, Lennon_34, Leogania_29, Leonard_32, Leroy_19, Leviathan_29, Lewan_17, LilDestine_17, LilHam_31, LilJank_27, LilSpotty_16, LilTurb_29, Lilbeanie_29, Lilbunny_30, LilhomieP_26, Lilleskat_28, LionsBait_28, LitninMcQueen_19, LiyuLake_18, Loadrie_17, LogiBear_29, Lokk_30, Lolly9_18, LoneWolf_28, Looper_30, Loser_30, Love_37, Luchador_28, Lucivia_27, Lucyedi_28, Lumos_18, Lutum_19, Lynnae_17, MAckerman_17, MAnor_17, MScarn_19, MaCh_27, MaVan_19, Mabel_27, MagicMan_18, MajorMajor_26, Malec_28, Malisha_20, Malvina_19, Maminiaina_28, Margaret_20, Mayweather_18, McCrothy_34, McDazzle_16, McFly_30, McKinley_36, MegTheThird_26, MelBins_33, MiculUcigas_27, MicyPS_16, Miko_30, Miley16_17, MinecraftSteve_30, MiniLon_18, MiniMac_18, Minispark_25, Miramae_26, MissWhite_27, MkaliMitinis3_17, ModicumRichard_18, Molivier_17, Moonflower_18, MoontowerMania_33, Moostard_18, Morgana_18, Morpher26_26, MrMagoo_31, MsGreen_18, Mulciber_27, Munch_27, Mundrea_26, MunkgeeRoachy_17, Mutzi_32, Myxus_28, NaLuna_18, NaSiaTalie_27, Naji_30, Nanosmite_31, Natkenzie_34, Nebulosus_29, Nedarya_28, Neeharika16_30, Netyap_17, Neville_27, Newrala_30, Nibbles_19, Nicholas_18, Nicholasp3_17, NicoleTera_31, Nina_18, Nodigi_19, Noelle_26, Nordenberg_28, NothingSpecial_29, Nubi_30, ObLaDi_18, Octobien14_27, Odin_26, OhShagHennessy_17, Onglai_27, Oofda_29, Opie_18, Orange_27, Orla_19, OverPar_17, PP_36, PSonyx_16, PYPDinur_17, PackMan_28, PainterBoy_28, Paries_36, PatriciaStar_17, PegLeg_27, Periwinkle_21, Perplexer_26, Petersenfast_27, PetiteSangsue_26, Ph8s_28, Phabuloso_19, Phaded_30, Phaeder_28, Pharaoh_27, Phauci_25, Phinally_32, Phistory_20, Phlei_22, Phlop_30, Phonnegut_28, PinkCoffee_32, Pioneer_28, Piro94_28, Pmask_30, Polyphemus_30, Pomar16_30, Pons_17, Poochiewood_17, Portcullis_30, PotPie_17, Poushou_18, Power_27, Priamo_30, Priya_28, Prudy_30, PsychoKiller_17, Pukovnik_29, PullumCavea_30, Pumpkiney_35, Qobbit_28, Quasar_17, Quby_17, QueenB2_27, QueenBeesly_27, Quokka_25, RADical_18, REQ2_19, REQ3_49, RSchmailzl_18, Rabbitrun_29, Rachaly_30, Rahalelujah_26, RanchParmCat_20, Ravana_29, RayTheFireFly_18, ReMo_29, Red305_18, RedBaron_19, RedRock_30, Refuge_30, Reindeer_25, Remus_29, Retro23_27, Rey_31, Ribeye_34, Rifter_30,

RiverRaider_34, RoadKill_29, Rofo_34, RogerDodger_33, Roksolana_30, Ronaldo_55, Rosalind_29, Rose5_17, RoseMarie_27, Rossetti_17, Rumpelstiltskin_17, RyeScarlet_28, Sachima_28, Salvador_30, Salz_27, SamW_16, Sampson_34, Samty_18, Sanjuju_32, Saronaya_33, Sarshaun_17, Saskia_27, Savbucketdawg_30, Scherzo_28, Schnabeltier_18, SchottB_32, Scioto_34, Sedona_34, SemperFi_29, Sendy_31, Sephiroth_27, Serenity_26, Sham4_27, SharkTale_30, ShawBrad_19, ShayRa_30, SheaKeira_27, SheckWes_16, Sheng711_17, Shinji_30, Shivanishola_35, Shygu2_26, SilverChicken_18, Silverleaf_17, Sitar_34, Sixsevenium_31, SketchMex_16, Skinny_28, Sknot_27, SlimJimmy_26, Smeagan_29, SmellyB_30, SmokingBunny_30, SnapTap_27, Snape_27, Snenia_18, SoJulia_17, Soap141_17, Socotra_18, Sopespian_17, SororFago_26, Soul22_18, Soups_29, Spooky_19, Spouty_28, Squiddly_21, StAB_16, StarStuff_30, Starburst_18, Stasia_27, SteamedHams_19, Steamy_28, Stichling_31, Stiles_16, Stink_27, StorminNorm_33, Strosahl_29, Stultus_32, SummitAcademy_16, Sunhee_26, SuperAwesome_30, SuperCallie99_30, Superchunk_26, Survivors_19, SweatNTears_19, SweetiePie_27, SwirlSquare_28, Switzerland_29, Syleon_27, Tangent_34, Tangerine_33, Taotie_16, Tardus_35, Tarnish_17, TaronosaurasRx_18, TarsusIV_27, Temprado_30, Terrific_29, Thing3_33, Tiamoceli_32, TillyBobJoe_30, Timothy_27, TinyTimmy_27, TipsytheTRex_26, Toaka_26, Togo_30, Tolls_19, Tomathan_30, ToneTone_28, TouchMeNot_18, Tourach_17, TpudiCK_28, Travvers_30, Trax_27, TriFive_18, Tristan_28, Trixie_30, Troje_17, Trooper_27, Troy_16, Tubs_28, Tucker_30, Turbido_29, Twister6_32, Twonlo_29, TyDawg_27, Tycho_33, Typhonomachy_17, Tyson_17, UPIE_17, Ugenie5_25, Underpass_17, Updawg_29, VA6_27, VC3_30, Valary_33, VanDeWege_33, VanLee_19, Vanisoa_26, Verity_33, Vetrix_17, ViaConlectus_34, Vine_18, Vivi2_36, VohminGhazi_30, Volt_54, Waits_29, Wallaby_21, Wamburgrxpress_17, Warrior24_29, WeiHuaDA_32, Whabigail7_29, Whirlwind_19, Whitney_20, WideWale_29, Wigglewiggle_17, Wiks_30, Wilder_17, Wile_26, Winky_17, Wizard_30, Wolfwood_19, Wolpertinger_26, WorldCup_25, WunderPhul_30, Wyatt2_17, Xena_26, XianYue_27, Yakult_18, Yarn_16, Yecey3_27, Yokurt_30, YorkOnyx_34, Yoshi_18, Yucky_17, Yummy_18, YungMoney_32, ZAYM_18, Zaka_30, Zakai_17, Zapner_19, Zareef_19, Zaria_17, ZhongYanYuan_16, Ziko_55, Zimmer_29, Zipp_33, Zitch_35, Zulu_30,

Summary by start number:

Start 23:
• Found in 1 of 1141 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 26:
• Found in 31 of 1141 (2.7%) of genes in pham
• Manual Annotations of this start: 29 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE2), BigHunkinEater_37 (DE4), Chickadee_31 (DE3), Delrey21_33 (DE4), Dexdert_32 (DE3), DoctorFroggo_33 (DE4), EMoore_30 (DE2), EdmundFerry_30 (DE3), GTE6_31 (DE3), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kwekel_31 (DE3), Leonard_32 (DE2), MelBins_33 (DE2), Natkenzie_34 (DE4), Phauci_25 (DE2), Phinally_32 (DE2), Pumpkiney_35 (DE4), RoadKill_29 (DE3), Sampson_34 (DE4), Scioto_34 (DE4), Tardus_35 (DE4), Tiamoceli_32 (DE3),

Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zipp_33 (DE4), Zitch_35 (DE4),

Start 27:
• Found in 1 of 1141 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilSpotty_16 (singleton),

Start 29:
• Found in 1 of 1141 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DS6A_20 (singleton),

Start 32:
• Found in 69 of 1141 (6.0%) of genes in pham
• Manual Annotations of this start: 53 of 1030
• Called 81.2% of time when present
• Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), Brawn1_30 (DE1), ChadMasterC_34 (DE1), Charming_34 (DE1), Derg_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31 (DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_35 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), McCrothy_34 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), Stichling_31 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 34:
• Found in 20 of 1141 (1.8%) of genes in pham
• Manual Annotations of this start: 9 of 1030
• Called 45.0% of time when present
• Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Calm_17 (L1), CicholasNage_17 (L1), JoeDirt_17 (L1), LeBron_17 (L1), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 35:
• Found in 5 of 1141 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 1030
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Juicebox_18 (singleton), Rabbitrun_29 (DU2),

Start 36:
• Found in 42 of 1141 (3.7%) of genes in pham
• Manual Annotations of this start: 36 of 1030

• Called 97.6% of time when present
• Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_33 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), Colleen_18 (EO), CoveyB_32 (DC1), Danyall_32 (DC1), Egi03_30 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_30 (DC1), Halo3_31 (DC1), Jambalaya_30 (DC1), JohnPork_30 (DC1), KimmyK_32 (DC1), Mutzi_32 (DC1), Nubi_30 (DC1), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), Poushou_18 (EO), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30 (DC1), Savbucketdawg_30 (DC1), Sendy_31 (DC1), SharkTale_30 (DC1), Shinji_30 (DC1), Sixsevenium_31 (DC1), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), TouchMeNot_18 (EO), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 37:
• Found in 1 of 1141 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumao_27 (singleton),

Start 38:
• Found in 4 of 1141 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Arianna_18 (EO),

Start 39:
• Found in 4 of 1141 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ), Reindeer_25 (M1), Taotie_16 (EQ),

Start 40:
• Found in 11 of 1141 (1.0%) of genes in pham
• Manual Annotations of this start: 8 of 1030
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Colossa_19 (KA), ModicumRichard_18 (DZ), Morgana_18 (DZ), ObLaDi_18 (DZ), Ronaldo_55 (DP), VanLee_19 (KA),

Start 41:
• Found in 27 of 1141 (2.4%) of genes in pham
• Manual Annotations of this start: 21 of 1030
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_28 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhane7_27 (M1), Izel_28 (M1), KleverKiS_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M1), Skinny_28 (M1), SlimJimmy_26 (M1), TpudiCK_28 (M1), TyDawg_27 (M1),

Start 42:
• Found in 15 of 1141 (1.3%) of genes in pham
• Manual Annotations of this start: 12 of 1030
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Avani_18 (F2), Blarby_19 (F), Che9d_18 (F2), Demsculpinboyz_18 (F2), Fryberger_52 (DP), Guey18_57 (DP), Jabbawokkie_20 (F2), Keelan_50 (DP), SilverChicken_18 (F2), Soul22_18 (F2), Volt_54 (DP), Yoshi_18 (F2), Zapner_19 (F2), Ziko_55 (DP),

Start 43:
• Found in 2 of 1141 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PP_36 (A7), Sunhee_26 (A14),

Start 44:
• Found in 9 of 1141 (0.8%) of genes in pham
• Manual Annotations of this start: 7 of 1030
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Kudefre_26 (DU1), LilJank_27 (DU2), Neville_27 (DU2), Octobien14_27 (DU1), Sephiroth_27 (DU1), Syleon_27 (DU1), Trax_27 (DU2),

Start 45:
• Found in 1 of 1141 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LoneWolf_28 (A9),

Start 46:
• Found in 321 of 1141 (28.1%) of genes in pham
• Manual Annotations of this start: 280 of 1030
• Called 94.1% of time when present
• Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adelaide_16 (EP), Adzzy_28 (A2), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), AvadaKedavra_17 (L1), Ayanochan_28 (A9), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Beemo_28 (A9), Bellris_26 (A9), BengiVuitton_28 (A2), BennyP_30 (A6), Benvolio_27 (A2), BiancaTri92_29 (A2), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BogosyJay_28 (A9), Bowtie_27 (A11), Bradman_26 (A2), BrainDrainer_18 (L4), Bran_16 (EP), Bromden_18 (L4), Bud_27 (A11), Bugsy_29 (A2), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caraxes_26 (A2), Catalina_28 (A9), Celestialunch_26 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A22), Charm_27 (A9), Chartreuse_30 (A6), Chaser_17 (L4), Che12_29 (A2), ChipMunk_29 (A2), ChutneyChips_17 (L4), CloudWang3_30 (A6), CogOmlette_25 (A9), Colin_30 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DaVinci_30 (A6), Dalmatian_27 (A2), Darrell_29 (A9), DarthPhader_28 (A12), DeerParkTS_28 (A2), Deloris_28 (A2), DelvinSonDorr_29 (A6), Dignity_29 (A2), Dina_16 (EP), DirkDirk_17 (L1), Dorothea_30 (A6), Douge_17 (L4), Douzhi_17 (L4), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), Duplo_30 (A2),

DyoEdafos_18 (L4), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_28 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), EmyBug_28 (A9), Enceladus_17 (L1), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Fameo_27 (A2), FarmResident_17 (L4), FatCactus_25 (A20), Fayely_28 (A9), Fibonacci_27 (A11), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), ForesterFrank_29 (A2), Gail_26 (A14), Garak_31 (A6), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), Gratitude_29 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), Halena_17 (L1), Hammer_30 (A6), Hanray_28 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_30 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), HippoHollow_28 (A2), Holex_28 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Hutc2_27 (A11), Imbriano_30 (A6), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Iwokeuplikedis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2), JewelBug_30 (A6), Jiawan_28 (A9), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), Kimba_27 (A11), KingCyrus_29 (A2), Kinmap_26 (A21), Kipper29_30 (A6), Klodlith_27 (A9), Koduck_28 (A2), Koko_30 (A6), Kropertea_17 (L4), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Lederberg_16 (EP), Leogania_29 (A2), Leviathan_29 (A2), LilTurb_29 (A2), Lilbunny_30 (A6), Lilleskat_28 (A9), LionsBait_28 (A2), Lokk_30 (A2), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), MAckerman_17 (L1), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminiaina_28 (A9), McFly_30 (A6), MegTheThird_26 (A9), MiculUcigas_27 (A2), Miko_30 (A2), Minispark_25 (A9), MissWhite_27 (A2), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Newrala_30 (A6), NicoleTera_31 (A2), NothingSpecial_29 (A2), Odin_26 (A2), OhShagHennessy_17 (L1), Onglai_27 (A9), Orange_27 (A11), PYPDinur_17 (L4), PackMan_28 (A9), PainterBoy_28 (A16), Petersenfast_27 (A11), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9), Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28 (A2), Pmask_30 (A6), Polyphemus_30 (A6), Pomar16_30 (A2), Poochiewood_17 (L1), Power_27 (A2), Priamo_30 (A6), Priya_28 (A9), Prudy_30 (A2), Pukovnik_29 (A2), Qobbit_28 (A9), Quby_17 (L4), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Rahalelujah_26 (A9), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), Rose5_17 (L1), RyeScarlet_28 (A9), Sachima_28 (A9), Salz_27 (A11), SamW_16 (EP), Saskia_27 (A11), Scherzo_28 (A9), SemperFi_29 (A2), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Silverleaf_17 (L1), Sknot_27 (A2), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), SororFago_26 (A14), Spouty_28 (A9), StAB_16 (EP), StarStuff_30 (A2), Steamy_28 (A12), Stiles_16 (EP), SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2), SweetiePie_27 (A2), SwirlSquare_28 (A2), TarsusIV_27 (A2), Temprado_30 (A6), Terrific_29 (A2), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Travvers_30 (A2), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Troy_16 (EP), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Tyson_17 (L1), Ugenie5_25 (A9), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VohminGhazi_30 (A6), Wamburgrxpress_17 (L1), WeiHuaDA_32 (A2), Whabigail7_29 (A2), WideWale_29 (A2), Wiks_30 (A6), Wolpertinger_26 (A11), WorldCup_25 (A9), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zimmer_29 (A12), Zulu_30 (A6),

Start 47:
• Found in 92 of 1141 (8.1%) of genes in pham
• Manual Annotations of this start: 67 of 1030
• Called 96.7% of time when present
• Phage (with cluster) where this start called: Archie_17 (L2), BBQValindra_18 (DB), BackstagePass_18 (DB), Baoshan_16 (L2), Bazzle_17 (L2), Bellis_18 (L3), BigCheese_17 (L2), BobsGarage_17 (L2), BourbonZero_17 (L3), Bowser_18 (DB), Breezona_17 (L2), Bunker_18 (DB), ChengKai98_17 (L2), Chipko_18 (DB), Claus_17 (L2), Clautastrophe_18 (L3), Coriander_18 (DB), Crossroads_17 (L2), DHan_17 (L2), DanBing_16 (L2), DirtyBoi_19 (DB), Dmitri_18 (DB), Doggs_17 (DB), DrSeegs_17 (L2), DuncansLeg_18 (L3), Ellson_18 (L3), Eyes_18 (DB), Faith1_17 (L2), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), GuuelaD_17 (L2), Hafay_17 (L2), HannahD_18 (DB), Hedwig_19 (DB), Hiraya_17 (L2), Itos_17 (L2), Jecs_19 (DB), Jobypre_18 (L3), Jubie_18 (L3), Kahlid_17 (L2), Kiko_19 (DB), Kingsolomon_18 (L3), KirDoubleO7_16 (L3), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), LiyuLake_18 (L3), Loadrie_17 (L2), Lolly9_18 (L3), Lumos_18 (L3), Lynnae_17 (L2), MagicMan_18 (DB), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Molivier_17 (L2), Moonflower_18 (DB), Moostard_18 (L3), MsGreen_18 (L3), NaLuna_18 (DB), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2), Opie_18 (DB), OverPar_17 (L2), PatriciaStar_17 (DB), RayTheFireFly_18 (DB), Red305_18 (L3), Rossetti_17 (L2), RumpelstiltskinL_17 (L2), Samty_18 (L3), Sarshaun_17 (L2), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), TaronosaurasRx_18 (DB), Tourach_17 (L2), TriFive_18 (L3), Underpass_17 (L2), Vetrix_17 (L2), Whirlwind_19 (L3), Wigglewiggle_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2),

Start 48:
• Found in 9 of 1141 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 1030
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Aegeus_17 (L5), Baudelaire_17 (L5), REQ3_49 (singleton),

Start 49:
• Found in 84 of 1141 (7.4%) of genes in pham
• Manual Annotations of this start: 68 of 1030
• Called 98.8% of time when present
• Phage (with cluster) where this start called: Agatha_17 (CT), AikoCarson_16 (CT), Amok_16 (CT), AndPeggy_16 (CT), Axym_17 (CT), Azira_19 (CT), Balloona_16 (CT), Bavilard_17 (CT), BigChungus_16 (CT), BillDoor_19 (CT), Biskit_18 (CT), Blondies_18 (CT), Bubble_17 (CT), Burnsey_17 (CT), Button_18 (CT), Buttrmlkdreams_17 (CT), CanesSauce_17 (CT), CaramelLatte_17 (CT), Carsonalex_18 (CT), CherryonLim_18 (CT), ChickenTender_19 (CT), ChocoMunchkin_17 (CT), Cleo_17 (CT), CocoaPuff_16 (CT), Cozz_17 (CT), Dre3_17 (CT), ElJefes_16 (CT), Elinal_18 (CT), Eliott_17 (CT), Emalyn_16 (CT), Feastonyeet_16 (CT), Fribs8_18 (CT), GiKK_20 (CT), Gibbous_17 (CT), GoldHunter_17 (CT), Hexbug_19 (CT), HippoPololi_19 (CT), Horseradish_18 (CT), Jamzy_20 (CT), KayGee_17 (CT), Lauer_16 (CT), MAnor_17 (CT), MScarn_19 (CT), MaVan_19 (CT), Malvina_19 (CT), Margaret_20 (CT), Mayweather_18 (CT), McDazzle_16 (CT), MunkgeeRoachy_17 (CT), Nedarya_28 (A15), Nibbles_19 (CT), Nina_18 (CT), Nodigi_19 (CT), Orla_19 (CT), Pons_17 (CT), PotPie_17 (CT), PsychoKiller_17 (CT), Quasar_17 (CT), RADical_18 (CT), RSchmailzl_18 (CT), RanchParmCat_20 (CT), RedBaron_19 (CT), SheckWes_16 (CT), SketchMex_16

(CT), Socotra_18 (CT), Sopespian_17 (CT), Starburst_18 (CT), SteamedHams_19 (CT), SummitAcademy_16 (CT), Survivors_19 (CT), SweatNTears_19 (CT), Tarnish_17 (CT), Tolls_19 (CT), Troje_17 (CT), Typhonomachy_17 (CT), Vine_18 (CT), Wallaby_21 (CT), Wolfwood_19 (CT), Yakult_18 (CT), Yarn_16 (CT), Yucky_17 (CT), Yummy_18 (CT), Zareef_19 (CT),

Start 50:
• Found in 25 of 1141 (2.2%) of genes in pham
• Manual Annotations of this start: 24 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_29 (A15), Anon_27 (A15), Battleship_30 (A15), Boohoo_29 (A15), DekHockey33_29 (A15), Elle_27 (A15), Epsocamisio_29 (A15), JSwag_29 (A15), KatherineG_29 (A15), LastResort_29 (A15), LogiBear_29 (A15), Looper_30 (A15), MinecraftSteve_30 (A15), Nebulosus_29 (A15), Oofda_29 (A15), Ravana_29 (A15), ReMo_29 (A15), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), Soups_29 (A15), Strosahl_29 (A15), Switzerland_29 (A15), Waits_29 (A15), Warrior24_29 (A15),

Start 51:
• Found in 2 of 1141 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apricot_18 (DN3), Crater_17 (DN3),

Start 52:
• Found in 21 of 1141 (1.8%) of genes in pham
• Manual Annotations of this start: 21 of 1030
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbysRanger_26 (A4), Achebe_25 (A4), AvatarAhPeg_27 (A4), Backyardigan_26 (A4), Badger_26 (A4), Bumblebee11_26 (A4), Cici_26 (A4), Cindaradix_25 (A4), Datway_26 (A4), Katalie136_26 (A4), Miramae_26 (A4), Morpher26_26 (A4), Mundrea_26 (A4), Noelle_26 (A4), Perplexer_26 (A4), PetiteSangsue_26 (A4), Shygu2_26 (A4), Stasia_27 (A4), Stink_27 (A4), Wile_26 (A4), Xena_26 (A4),

Start 53:
• Found in 384 of 1141 (33.7%) of genes in pham
• Manual Annotations of this start: 355 of 1030
• Called 99.7% of time when present
• Phage (with cluster) where this start called: ACFishhook_28 (A3), Abdiel_25 (A4), AgentM_23 (A5), Aglet_28 (A3), AgronaGT15_28 (A3), Airmid_23 (A5), Alatin_22 (CA), Albee_26 (A4), Alberto7_27 (A4), Alpacados_21 (CA), AngryOrchard_21 (CA), Annyong_26 (A4), Anubis_30 (A3), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Arturo_25 (A4), Astro_23 (A8), AugsMagnumOpus_30 (A3), Avle17_26 (A4), B1_24 (A3), Baby16_26 (A4), BabyJohn_25 (A3), BabyRay_26 (A3), BangNhom_26 (A4), Bartimeaus_26 (A4), Beauxregard13_28 (A3), Belenaria_22 (CA), BellusTerra_26 (A4), Benedict_23 (A5), Bigflo_28 (A3), Blackmoor_26 (A4), BlueBird_27 (A3), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bombshell_26 (A4), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), BreSam8_28 (A3), Broseidon_26 (A4), Bruiser_25 (A4), Bryce_22 (CA), BubbleTrouble_26 (A4), Buckaroo_25 (A4), Bugatti_27 (A3), Burger_25 (A4), BuzzBuzz_27 (A3), Bxz2_27 (A3), Caelakin_26 (A4), Caitlin_23 (A8), Calvinny_28 (A3), Camperdownii_25 (A4), Cat_24 (A3), Caviar_27 (A3), CentreCat_26 (A4), Cerulean_27 (A4), Chadwick_24

(A5), ChampagnePapi_27 (A4), Chaph_26 (A4), Chiqui_25 (A3), Chupacabra_26 (A10), Cintron_26 (A4), Citius_26 (A4), Clammy_27 (A3), Clarenza_26 (A4), ClownCar_28 (A3), Cocoaberry_26 (A4), Colbster_28 (A3), Commander_26 (A4), Connomayer_26 (A4), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Croquant_29 (A3), Cuco_23 (A5), Cullens_28 (A3), DaHudson_28 (A3), Daishi_27 (A3), Danforth_22 (A8), Deano_26 (A4), Dhanush_26 (A4), Dieselweasel_28 (A3), Dinger_22 (CA), DirtyDunning_26 (A4), Discoknowium_23 (A5), Dixon_23 (A8), DontArgue_25 (A10), Drake94_25 (A10), DropBear_26 (A3), Druantia_26 (A4), Dublin_22 (A5), DustyMartin_30 (A10), Eagle_25 (A4), Eaglepride_27 (A10), Eapen_26 (A4), Edison31_26 (A10), ElTiger69_23 (A5), EpicPhail_28 (A3), Erik_22 (CA), Eris_25 (A4), Eros_26 (A4), Espica_22 (CA), EtoileNova_27 (A3), Eurydice_26 (A4), Expelliarmus_22 (A8), Farber_28 (A3), Fernando_28 (A3), Florean_26 (A4), Florence1_23 (A5), Florence4_24 (A5), Flux_26 (A4), ForGetIt_23 (A5), Fred313_26 (A3), Funston_26 (A4), Gadost_26 (A4), Gemma_28 (A3), George_22 (A5), Ghoulboy_23 (A5), GingkoMaracino_28 (A3), Giroux_27 (A3), Gollum_22 (CA), Goose1D_26 (A3), Goose1X_26 (A3), Goose_26 (A10), Grif_28 (A3), Groundhog_22 (A8), Groupthink_29 (A3), Grub_28 (A3), Grum1_28 (A3), GtownJaz_28 (A3), Gwennie_28 (A3), HamSlice_25 (A4), Happiness_26 (A4), Harlequin_22 (CA), HashRod_29 (A3), HaveUMetTed_29 (A3), Heathen_26 (A3), HelDan_26 (A3), Heliosoles_28 (A3), Hercules11_28 (A3), Hiro_22 (CA), Holli_26 (A4), Hookmount_27 (A3), Houdini22_26 (A4), HuhtaEnerson15_23 (A5), Huxley_26 (A4), ICleared_26 (A4), Iceman_27 (A4), Idleandcovert_26 (A3), Iracema64_27 (A4), Isca_26 (A3), JF2_26 (A3), JF4_26 (A3), JHC117_28 (A3), Jabiru_23 (A5), Jaykayelowell_26 (A4), JenCasNa_28 (A3), JeppNRM_29 (A3), Jester_22 (CA), JetBlade_26 (A4), Jobu08_28 (A3), JoongJeon_26 (A4), Jovo_23 (A5), Junimo_25 (A4), KADY_29 (A3), KFPoly_26 (A4), Kachowdy_26 (A3), Kalb97_29 (A3), Kalnoky_29 (A3), Kampy_26 (A4), KekoraPapaka_25 (A4), Kimona_23 (A19), Kingmustik0402_26 (A4), KittenMittens_25 (A10), Koan_26 (A4), Koreni_25 (A4), Kratark_26 (A4), Kremtemulon_26 (A4), Krishelle_22 (CA), Kristoff_27 (A10), Kyee_26 (A4), LBerry_28 (A3), LHTSCC_27 (A4), Lambert1_27 (A3), LappelDuVide_26 (A4), LarryKay_28 (A3), Lemur_26 (A4), LeoAvram_26 (A4), Lev2_23 (A5), Lilith_28 (A3), Lillie_22 (CA), LittleB_26 (A4), LittleCherry_23 (A5), LittleGuy_26 (A4), LochMonster_26 (A4), Lorenzo_26 (A4), Louie6_28 (A3), Lowa_28 (A3), LugYA_30 (A3), Lunsford_27 (A4), MA5_26 (A3), MK4_26 (A3), MadMarie_28 (A3), Mainiac_28 (A3), Malinsilva_30 (A3), Manu_29 (A3), MarQuardt_28 (A3), Marchesa_26 (A3), Margo_27 (A3), Marie_28 (A3), Marius_29 (A3), MarysWell_22 (A5), Maverick_26 (A4), Maxo_26 (A4), Mayonnaise_26 (A4), Mazhar510_26 (A4), Medusa_26 (A4), MeeZee_26 (A4), Melvin_26 (A4), Methuselah_27 (A3), Micasa_23 (A5), Microwolf_28 (A3), Midas2_23 (A5), Milcery_23 (A5), Millski_25 (A4), Misomonster_30 (A3), MoneyMay_28 (A3), Montavir_27 (A3), Morrow_26 (A4), MuchMore_30 (A3), MyraDee_24 (A18), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), NearlyHeadless_23 (A8), Nebs_26 (A4), Nemo27_26 (A4), Noella_27 (A3), Norbert_26 (A3), NorthStar_26 (A4), Northrop_26 (A4), NotAPhaseMom_26 (A4), Nyxis_26 (A4), OKCentral2016_26 (A10), OKaNui_27 (A4), Obama12_27 (A4), Ohfah_26 (A4), OlanP_28 (A3), Ollie_28 (A3), P28Green_28 (A3), PGHhamlin_30 (A3), Palestino_25 (A4), Panamaxus_26 (A3), Partridge_22 (CA), Pawn_28 (A3), PeaceMeal1_25 (A10), Peaches_26 (A4), Pembroke_28 (A3), Penny1_28 (A3), PeterPeter_26 (A4), PetterN_24 (A5), Phacado_26 (A4), PhailMary_21 (CA), Phantastic_26 (A3), Phelipe_26 (A4), Phighter1804_26 (A4), Phillis_23 (A8), PhishRPhriends_27 (A3), Phlorence_23 (A5), Phoebe_28 (A3), Phontbonne_26 (A4), Phoxy_28 (A3), Phrankenstein_22 (CA), Phranny_29 (A3), PickleBack_23 (A5), Pipcraft_26 (A4), Pistachio_27 (A3), Pocahontas_27 (A3), Polymorphads_26 (A4), Poompha_25 (A10), Popcicle_27 (A3), PotatoSplit_29 (A3), Prinashe11_23 (A5), Pumbaa_26 (A4),

Puppy_27 (A3), PurpleHaze_28 (A3), QuinnKiro_26 (A3), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), Reba_29 (A3), Rebeuca_27 (A10), Relief_26 (A4), ResDef_27 (A3), RexFury_22 (CA), Rhodalysa_22 (CA), RhynO_27 (A10), Roary_23 (A8), RockieBear_26 (A4), Rocksand_26 (A4), Rockstar_26 (A3), Roimos_26 (A3), Romney_26 (A4), Roosevelt_26 (A4), Rowdy_30 (A10), Ruin_26 (A4), Rummer_28 (A3), Sabertooth_26 (A4), Sabia_28 (A3), Sabinator_28 (A3), Saintus_23 (A8), SaturnRing_26 (A3), Scamp_26 (A4), Scorpia_24 (A5), Scout_26 (A3), SenorClean_26 (A4), Severus_25 (A10), Shaka_26 (A4), Shapes_30 (A10), SheldonCooper_27 (A4), Shep_26 (A3), Shuman_22 (CA), Skadoosh_26 (A4), Skipitt_26 (A4), Smeadley_23 (A8), Snickers_28 (A3), SoYo_28 (A3), SoilDragon_28 (A3), Soshari_30 (A3), Sparxx_26 (A4), Spike509_28 (A3), Spino_26 (A4), StCroix_22 (CA), Stagni_28 (A3), SteMason_26 (A4), StepMih_28 (A3), Stephig9_23 (A8), Sultana_26 (A4), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TNguyen7_26 (A3), TWAMP_22 (CA), Tailonex_23 (singleton), Takoda_22 (CA), Taquarus_26 (A4), Tarynearal_22 (A5), Taurus_28 (A3), Texage_26 (A3), Thanksgivukkah_26 (A4), Theia_21 (A5), Tiffany_28 (A3), Tiger_23 (A5), TinaFeyge_26 (A4), TinyPebbles_28 (A3), Tinybot_25 (A4), TiroTheta9_26 (A4), Todacoro_27 (A3), Topanga_26 (A10), Trike_24 (A10), TroyPia_26 (A4), Twigg_23 (A5), Twister_26 (A10), TygerBlood_26 (A4), UhSalsa_22 (CA), Ulysses_25 (A4), UnionJack_23 (A5), Veracruz_26 (A3), Vix_28 (A3), WalterMcMickey_26 (A10), Wander_26 (A4), Watson_28 (A3), Wilbur_26 (A4), Wizard007_26 (A4), Wooldri_30 (A3), YoSam321_26 (A4), Yogi_22 (CA), Yoncess_22 (CA), Zarafa_26 (A3), Zetzy_27 (A3), Zolita_22 (A5),

Start 54:
• Found in 22 of 1141 (1.9%) of genes in pham
• Manual Annotations of this start: 16 of 1030
• Called 77.3% of time when present
• Phage (with cluster) where this start called: Asapag_19 (DN1), BENtherdunthat_19 (DN1), BotCity_19 (DN), Budski_19 (DN), Frickyeah_19 (DN1), Getalong_20 (DN1), Horus_19 (DN1), Kamaru_19 (DN1), Kenna_18 (DN1), Leroy_19 (DN1), LitninMcQueen_19 (DN1), Periwinkle_21 (DN1), Phistory_20 (DN1), ShawBrad_19 (DN1), Spooky_19 (DN2), Squiddly_21 (DN2), Whitney_20 (DN1),

Start 56:
• Found in 42 of 1141 (3.7%) of genes in pham
• Manual Annotations of this start: 6 of 1030
• Called 14.3% of time when present
• Phage (with cluster) where this start called: CheeseTouch_19 (DN1), GEazy_18 (DB), Holliday_19 (DN1), Lutum_19 (DN1), Malisha_20 (DN), Phabuloso_19 (DN1),

Start 66:
• Found in 92 of 1141 (8.1%) of genes in pham
• No Manual Annotations of this start.
• Called 1.1% of time when present
• Phage (with cluster) where this start called: GTE2_15 (CT),

Start 70:
• Found in 11 of 1141 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 1030
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Schnabeltier_18 (DB), ZAYM_18 (DB),

Start 71:
• Found in 106 of 1141 (9.3%) of genes in pham
• No Manual Annotations of this start.
• Called 0.9% of time when present
• Phage (with cluster) where this start called: Sheng711_17 (L4),

Start 74:
• Found in 487 of 1141 (42.7%) of genes in pham
• No Manual Annotations of this start.
• Called 0.2% of time when present
• Phage (with cluster) where this start called: Rosa24_25 (A4),

Start 120:
• Found in 1 of 1141 (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: REQ2_19 (singleton),

Summary by clusters:

There are 54 clusters represented in this pham: DN, singleton, DB, DU1, DZ, M3, M2, DP, A15, A14, A17, A16, A11, A10, A13, A12, EQ, A19, A18, A3, A2, DN1, A4, A7, DN2, A9, A5, DU2, CT, EO, DN3, F, CA, A6, KA, A22, L4, L5, L2, L3, L1, DC2, EP, DC1, A20, A21, F2, DE1, DE2, DE3, DE4, DE5, A8, M1,

Info for manual annotations of cluster A10:
•Start number 53 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 46 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 46 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 43 was manually annotated 1 time for cluster A14.
•Start number 46 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 49 was manually annotated 1 time for cluster A15.
•Start number 50 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 46 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 53 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 46 was manually annotated 117 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 46 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 46 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 46 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 53 was manually annotated 125 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 52 was manually annotated 21 times for cluster A4.
•Start number 53 was manually annotated 123 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 53 was manually annotated 40 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 46 was manually annotated 50 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 43 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 53 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 45 was manually annotated 1 time for cluster A9.
•Start number 46 was manually annotated 45 times for cluster A9.

Info for manual annotations of cluster CA:
•Start number 53 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CT:
•Start number 49 was manually annotated 67 times for cluster CT.

Info for manual annotations of cluster DB:
•Start number 47 was manually annotated 16 times for cluster DB.
•Start number 56 was manually annotated 1 time for cluster DB.
•Start number 70 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 36 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 36 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

•Start number 32 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 26 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 26 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 26 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 23 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DN:
•Start number 54 was manually annotated 2 times for cluster DN.
•Start number 56 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 54 was manually annotated 12 times for cluster DN1.
•Start number 56 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 54 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 51 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DP:
•Start number 40 was manually annotated 1 time for cluster DP.
•Start number 42 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 44 was manually annotated 4 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 DZ:
•Start number 40 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EO:
•Start number 36 was manually annotated 3 times for cluster EO.
•Start number 38 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster EP:
•Start number 46 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster EQ:
•Start number 39 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F2:
•Start number 42 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster KA:
•Start number 40 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L1:
•Start number 34 was manually annotated 9 times for cluster L1.
•Start number 46 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 47 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 47 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 46 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 48 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 39 was manually annotated 1 time for cluster M1.
•Start number 41 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 41 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 41 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 46
Candidate Starts for 20ES_27:
(Start: 46 @19219 has 280 MA's), (67, 19273), (78, 19312), (133, 19528), (149, 19594), (163, 19633), (164, 19636), (255, 19864), (271, 19897), (309, 19999), (316, 20020), (338, 20074), (345, 20086), (389, 20176),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 46
Candidate Starts for 40AC_30:
(Start: 46 @21412 has 280 MA's), (74, 21487), (78, 21505), (88, 21541), (98, 21580), (140, 21757), (149, 21787), (163, 21826), (164, 21829), (222, 21985), (309, 22192), (338, 22267), (345, 22279), (389, 22369),

Gene: ACFishhook_28 Start: 19171, Stop: 20544, Start Num: 53
Candidate Starts for ACFishhook_28:
(Start: 53 @19171 has 355 MA's), (78, 19267), (85, 19291), (87, 19297), (142, 19522), (164, 19588), (182, 19645), (212, 19723), (270, 19855), (306, 19942), (313, 19963), (364, 20083), (387, 20134), (400, 20179), (405, 20221), (408, 20230), (422, 20401), (426, 20467), (427, 20491), (428, 20497),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 46
Candidate Starts for AN3_27:
(Start: 46 @19197 has 280 MA's), (67, 19251), (78, 19290), (98, 19365), (133, 19506), (149, 19572), (163, 19611), (164, 19614), (255, 19842), (303, 19962), (309, 19977), (338, 20052), (345, 20064), (356, 20088), (389, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 46
Candidate Starts for AN9_30:
(Start: 46 @19185 has 280 MA's), (67, 19239), (74, 19260), (78, 19278), (121, 19449), (149, 19560), (163, 19599), (164, 19602), (178, 19647), (212, 19737), (303, 19950), (309, 19965), (338, 20040), (345, 20052), (356, 20076), (389, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 46
Candidate Starts for ANI8_30:
(Start: 46 @19185 has 280 MA's), (67, 19239), (74, 19260), (78, 19278), (121, 19449), (149, 19560), (163, 19599), (164, 19602), (178, 19647), (212, 19737), (303, 19950), (309, 19965), (338, 20040), (345, 20052), (356, 20076), (389, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 26
Candidate Starts for APunk_35:
(Start: 26 @29234 has 29 MA's), (74, 29357), (84, 29393), (114, 29495), (123, 29549), (140, 29621), (160, 29684), (163, 29693), (180, 29750), (192, 29783), (205, 29816), (208, 29819), (256, 29936), (273, 29972), (283, 30005), (286, 30014), (295, 30035), (308, 30062), (318, 30092), (320, 30098), (332, 30131), (333, 30134), (359, 30188), (368, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 26
Candidate Starts for Abblin_34:
(Start: 26 @29777 has 29 MA's), (62, 29852), (64, 29864), (74, 29900), (84, 29936), (114, 30038), (123, 30092), (140, 30164), (160, 30227), (163, 30236), (180, 30293), (192, 30326), (205, 30359), (208, 30362), (227, 30419), (273, 30515), (283, 30548), (286, 30557), (295, 30578), (308, 30605), (314, 30626), (318, 30635), (320, 30641), (332, 30674), (333, 30677), (359, 30731), (368, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 46
Candidate Starts for AbbyPaige_29:
(Start: 46 @19684 has 280 MA's), (74, 19759), (78, 19777), (88, 19813), (98, 19852), (149, 20059), (163, 20098), (164, 20101), (193, 20188), (271, 20368), (309, 20470), (338, 20545), (345, 20557),

Gene: AbbysRanger_26 Start: 18503, Stop: 19843, Start Num: 52
Candidate Starts for AbbysRanger_26:
(Start: 52 @18503 has 21 MA's), (74, 18581), (78, 18599), (140, 18848), (148, 18872), (164, 18920), (178, 18965), (182, 18977), (216, 19067), (306, 19274), (346, 19376), (364, 19415), (371, 19427), (400, 19505), (409, 19556), (411, 19565), (421, 19688), (422, 19700), (427, 19790), (429, 19835),

Gene: Abdiel_25 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Abdiel_25:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Achebe_25 Start: 18483, Stop: 19826, Start Num: 52
Candidate Starts for Achebe_25:

(Start: 52 @18483 has 21 MA's), (74, 18561), (78, 18579), (87, 18609), (140, 18828), (148, 18852), (164, 18900), (178, 18945), (182, 18957), (216, 19047), (230, 19074), (306, 19254), (346, 19359), (364, 19398), (400, 19488), (409, 19539), (411, 19548), (421, 19671), (422, 19683), (427, 19773), (429, 19818),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 46
Candidate Starts for Acolyte_27:
(Start: 46 @19734 has 280 MA's), (78, 19827), (88, 19863), (98, 19902), (149, 20109), (163, 20148), (164, 20151), (178, 20196), (212, 20286), (255, 20379), (309, 20514), (338, 20589), (345, 20601), (356, 20625), (389, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 34
Candidate Starts for Acquire49_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: Adelaide_16 Start: 15151, Stop: 16317, Start Num: 46
Candidate Starts for Adelaide_16:
(Start: 46 @15151 has 280 MA's), (85, 15280), (162, 15562), (164, 15568), (172, 15592), (180, 15619), (196, 15661), (213, 15706), (241, 15793), (243, 15796), (263, 15844), (269, 15859), (280, 15892), (287, 15910), (290, 15919), (301, 15952), (312, 15985), (327, 16030), (330, 16039), (335, 16051), (339, 16063), (351, 16087), (380, 16144), (398, 16192), (402, 16240), (404, 16249), (408, 16264), (410, 16276), (412, 16282), (414, 16306),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 46
Candidate Starts for Adzzy_28:
(Start: 46 @17912 has 280 MA's), (74, 17987), (78, 18005), (88, 18041), (149, 18287), (163, 18326), (164, 18329), (212, 18464), (255, 18557), (271, 18590), (316, 18713), (327, 18743), (345, 18779), (356, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 48
Candidate Starts for Aegeus_17:
(30, 15389), (33, 15404), (Start: 48 @15428 has 2 MA's), (60, 15452), (71, 15497), (74, 15512), (78, 15530), (101, 15608), (140, 15761), (144, 15770), (164, 15833), (208, 15944), (209, 15950), (211, 15956), (233, 15992), (244, 16019), (254, 16043), (261, 16061), (265, 16070), (267, 16073), (281, 16112), (291, 16139), (309, 16187), (315, 16208), (361, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 32
Candidate Starts for Affeca_32:
(Start: 32 @29693 has 53 MA's), (93, 29879), (96, 29891), (105, 29918), (152, 30089), (166, 30125), (179, 30158), (186, 30173), (188, 30185), (206, 30215), (211, 30221), (238, 30281), (277, 30371), (309, 30461), (316, 30485), (321, 30497), (350, 30563), (358, 30578), (373, 30602), (379, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 46
Candidate Starts for Agape74_29:
(Start: 46 @19660 has 280 MA's), (74, 19735), (78, 19753), (88, 19789), (98, 19828), (149, 20035), (163, 20074), (164, 20077), (193, 20164), (271, 20344), (309, 20446), (338, 20521), (345, 20533),

Gene: Agatha_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Agatha_17:

(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (307, 15535), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 53
Candidate Starts for AgentM_23:
(Start: 53 @18724 has 355 MA's), (78, 18820), (87, 18853), (88, 18856), (98, 18895), (112, 18943), (149, 19096), (156, 19114), (164, 19138), (177, 19180), (303, 19492), (345, 19594), (358, 19621), (389, 19684),

Gene: Aglet_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for Aglet_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: AgronaGT15_28 Start: 18920, Stop: 20290, Start Num: 53
Candidate Starts for AgronaGT15_28:
(Start: 53 @18920 has 355 MA's), (78, 19016), (85, 19040), (87, 19046), (142, 19271), (164, 19337), (182, 19394), (212, 19472), (270, 19604), (306, 19691), (364, 19832), (400, 19928), (405, 19970), (416, 20030), (419, 20102), (422, 20147), (426, 20213), (427, 20237), (428, 20243),

Gene: AikoCarson_16 Start: 14069, Stop: 15040, Start Num: 49
Candidate Starts for AikoCarson_16:
(Start: 49 @14069 has 68 MA's), (66, 14114), (71, 14135), (78, 14171), (100, 14252), (121, 14330), (123, 14339), (124, 14342), (137, 14396), (141, 14408), (159, 14456), (175, 14498), (191, 14546), (215, 14597), (225, 14627), (238, 14657), (245, 14672), (246, 14675), (282, 14771), (289, 14789), (308, 14843), (309, 14846), (318, 14873), (321, 14882), (325, 14897), (353, 14954), (381, 15002), (388, 15026), (392, 15032),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 32
Candidate Starts for Ailee_32:
(Start: 32 @30183 has 53 MA's), (93, 30369), (96, 30381), (105, 30408), (110, 30429), (125, 30489), (150, 30576), (152, 30579), (166, 30615), (179, 30648), (186, 30663), (188, 30675), (206, 30705), (211, 30711), (238, 30771), (277, 30861), (309, 30951), (316, 30975), (321, 30987), (350, 31053), (379, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 53
Candidate Starts for Airmid_23:
(Start: 53 @17965 has 355 MA's), (78, 18061), (87, 18094), (88, 18097), (98, 18136), (133, 18271), (138, 18301), (148, 18331), (149, 18337), (156, 18355), (164, 18379), (177, 18421), (246, 18592), (345, 18835), (358, 18862), (389, 18925),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Alatin_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Albee_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Albee_26:

(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Alberto7_27 Start: 18792, Stop: 20132, Start Num: 53
Candidate Starts for Alberto7_27:
(11, 18594), (16, 18651), (20, 18690), (22, 18723), (Start: 53 @18792 has 355 MA's), (58, 18804), (74, 18870), (78, 18888), (87, 18918), (140, 19137), (164, 19209), (178, 19254), (182, 19266), (240, 19410), (306, 19563), (346, 19665), (364, 19704), (387, 19749), (397, 19770), (400, 19794), (406, 19836), (421, 19977), (422, 19989), (427, 20079), (428, 20085), (429, 20124),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 40
Candidate Starts for Aleemily_18:
(1, 15193), (Start: 40 @15646 has 8 MA's), (58, 15673), (66, 15706), (92, 15808), (99, 15835), (107, 15859), (133, 15961), (140, 15994), (147, 16024), (162, 16060), (164, 16066), (167, 16075), (193, 16153), (208, 16183), (209, 16189), (214, 16204), (258, 16309), (285, 16375), (321, 16474), (339, 16507), (357, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 26
Candidate Starts for Ali17_30:
(Start: 26 @27429 has 29 MA's), (74, 27552), (84, 27588), (100, 27648), (123, 27744), (151, 27855), (159, 27876), (192, 27978), (208, 28014), (293, 28230), (295, 28236), (302, 28251), (308, 28266), (320, 28302), (332, 28335), (333, 28338), (368, 28404),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 46
Candidate Starts for Aliter_28:
(Start: 46 @20455 has 280 MA's), (58, 20473), (74, 20530), (78, 20548), (88, 20584), (133, 20764), (140, 20800), (149, 20830), (164, 20872), (222, 21031), (284, 21175), (309, 21238), (338, 21313), (345, 21325), (356, 21349),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 46
Candidate Starts for Alma_28:
(Start: 46 @20534 has 280 MA's), (58, 20552), (74, 20609), (78, 20627), (88, 20663), (133, 20843), (140, 20879), (149, 20909), (164, 20951), (222, 21110), (284, 21254), (309, 21317), (338, 21392), (345, 21404), (356, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 53
Candidate Starts for Alpacados_21:
(Start: 53 @15416 has 355 MA's), (64, 15455), (85, 15536), (87, 15542), (106, 15611), (124, 15689), (131, 15716), (164, 15827), (216, 15923), (309, 16052), (315, 16070), (345, 16139), (401, 16277),

Gene: Amok_16 Start: 14066, Stop: 15037, Start Num: 49
Candidate Starts for Amok_16:
(Start: 49 @14066 has 68 MA's), (66, 14111), (71, 14132), (78, 14168), (100, 14249), (121, 14327), (123, 14336), (124, 14339), (137, 14393), (141, 14405), (159, 14453), (175, 14495), (191, 14543), (215, 14594), (225, 14624), (238, 14654), (245, 14669), (246, 14672), (282, 14768), (289, 14786), (308, 14840), (309, 14843), (318, 14870), (321, 14879), (325, 14894), (329, 14903), (353, 14951), (381, 14999), (388, 15023), (392, 15029),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 50
Candidate Starts for Anaysia_29:

(Start: 50 @18122 has 24 MA's), (85, 18236), (87, 18242), (88, 18245), (146, 18479), (251, 18746), (282, 18800), (345, 18956),

Gene: AndPeggy_16 Start: 14429, Stop: 15400, Start Num: 49
Candidate Starts for AndPeggy_16:
(Start: 49 @14429 has 68 MA's), (66, 14474), (71, 14495), (74, 14510), (78, 14531), (91, 14582), (100, 14612), (108, 14639), (121, 14690), (123, 14699), (124, 14702), (137, 14756), (141, 14768), (159, 14816), (191, 14906), (215, 14957), (225, 14987), (238, 15017), (246, 15035), (282, 15131), (289, 15149), (307, 15200), (308, 15203), (318, 15233), (321, 15242), (325, 15257), (353, 15314), (381, 15362), (388, 15386), (392, 15392),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 46
Candidate Starts for Aneem_27:
(Start: 46 @19736 has 280 MA's), (67, 19793), (85, 19868), (117, 19997), (133, 20057), (148, 20117), (149, 20123), (164, 20165), (178, 20210), (180, 20216), (212, 20300), (230, 20333), (345, 20615), (349, 20624), (356, 20639), (389, 20705),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 32
Candidate Starts for Angelicage_32:
(Start: 32 @30110 has 53 MA's), (93, 30296), (96, 30308), (105, 30335), (110, 30356), (125, 30416), (152, 30506), (166, 30542), (179, 30575), (186, 30590), (188, 30602), (206, 30632), (211, 30638), (238, 30698), (277, 30788), (309, 30878), (316, 30902), (321, 30914), (350, 30980), (379, 31031),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 53
Candidate Starts for AngryOrchard_21:
(Start: 53 @15399 has 355 MA's), (64, 15438), (87, 15525), (106, 15594), (124, 15672), (164, 15810), (216, 15906), (309, 16035), (315, 16053), (345, 16122), (401, 16260),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 46
Candidate Starts for AnnaL29_30:
(Start: 46 @21011 has 280 MA's), (58, 21029), (78, 21104), (88, 21140), (98, 21179), (133, 21320), (149, 21386), (163, 21425), (164, 21428), (178, 21473), (255, 21659), (271, 21692), (345, 21881),

Gene: Annyong_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Annyong_26:
(10, 18257), (11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 50
Candidate Starts for Anon_27:
(Start: 50 @18753 has 24 MA's), (64, 18795), (81, 18852), (85, 18867), (87, 18873), (88, 18876), (112, 18963), (146, 19110), (201, 19260), (345, 19587), (376, 19647), (389, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 46
Candidate Starts for Anselm_27:
(Start: 46 @19280 has 280 MA's), (74, 19355), (78, 19373), (88, 19409), (98, 19448), (149, 19655), (163, 19694), (164, 19697), (271, 19964), (309, 20066), (338, 20141), (345, 20153), (389, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 46
Candidate Starts for Anthony_26:

(Start: 46 @17668 has 280 MA's), (78, 17761), (88, 17797), (133, 17977), (149, 18043), (163, 18082), (164, 18085), (212, 18220), (271, 18346), (306, 18439), (309, 18448), (345, 18535), (356, 18559), (374, 18592), (389, 18625),

Gene: Anubis_30 Start: 18898, Stop: 20268, Start Num: 53
Candidate Starts for Anubis_30:
(Start: 53 @18898 has 355 MA's), (78, 18994), (85, 19018), (87, 19024), (142, 19249), (164, 19315), (182, 19372), (212, 19450), (270, 19582), (306, 19669), (364, 19810), (400, 19906), (405, 19948), (416, 20008), (419, 20080), (422, 20125), (426, 20191), (427, 20215), (428, 20221),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 53
Candidate Starts for AppleCloud_20:
(Start: 53 @15445 has 355 MA's), (64, 15484), (87, 15571), (106, 15640), (124, 15718), (131, 15745), (164, 15856), (216, 15952), (309, 16081), (315, 16099), (345, 16168), (401, 16306),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 34
Candidate Starts for Appletree2_17:
(24, 15764), (25, 15767), (Start: 34 @15800 has 9 MA's), (Start: 46 @15818 has 280 MA's), (60, 15842), (67, 15872), (71, 15887), (78, 15920), (119, 16064), (138, 16145), (163, 16220), (164, 16223), (166, 16229), (182, 16274), (192, 16301), (208, 16334), (209, 16340), (229, 16373), (233, 16382), (244, 16409), (291, 16529), (309, 16577), (318, 16604), (339, 16643), (342, 16649), (361, 16688),

Gene: Apricot_18 Start: 15047, Stop: 15973, Start Num: 51
Candidate Starts for Apricot_18:
(Start: 51 @15047 has 2 MA's), (Start: 56 @15053 has 6 MA's), (64, 15083), (78, 15143), (85, 15167), (90, 15182), (94, 15197), (96, 15206), (100, 15218), (106, 15239), (111, 15257), (115, 15269), (123, 15314), (137, 15368), (139, 15371), (140, 15374), (145, 15386), (159, 15416), (165, 15434), (186, 15488), (188, 15500), (191, 15506), (204, 15527), (228, 15575), (235, 15593), (238, 15599), (245, 15614), (246, 15617), (307, 15770), (308, 15773), (310, 15779), (323, 15812), (329, 15830), (347, 15863), (375, 15914), (382, 15929), (395, 15965),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 53
Candidate Starts for Aragog_23:
(Start: 53 @18754 has 355 MA's), (78, 18850), (87, 18883), (88, 18886), (98, 18925), (112, 18973), (149, 19126), (156, 19144), (164, 19168), (177, 19210), (303, 19522), (345, 19624), (358, 19651), (389, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 46
Candidate Starts for ArcherNM_29:
(Start: 46 @20956 has 280 MA's), (78, 21049), (88, 21085), (98, 21124), (149, 21331), (163, 21370), (164, 21373), (178, 21418), (255, 21604), (271, 21637), (345, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 53
Candidate Starts for Archetta_23:
(Start: 53 @18467 has 355 MA's), (78, 18563), (87, 18596), (88, 18599), (98, 18638), (112, 18686), (149, 18839), (156, 18857), (164, 18881), (177, 18923), (303, 19235), (345, 19337), (358, 19364),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 47
Candidate Starts for Archie_17:
(Start: 47 @16290 has 67 MA's), (60, 16314), (67, 16344), (88, 16425), (162, 16695), (163, 16698), (164, 16701), (196, 16788), (208, 16812), (209, 16818), (244, 16887), (249, 16905), (258, 16923), (259, 16926), (309, 17055), (318, 17082), (322, 17094), (361, 17184), (366, 17196),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 38
Candidate Starts for Arianna_18:
(Start: 36 @16550 has 36 MA's), (Start: 38 @16553 has 1 MA's), (71, 16637), (107, 16775), (196, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 46
Candidate Starts for Arissanae_26:
(Start: 46 @18593 has 280 MA's), (57, 18608), (58, 18611), (78, 18686), (140, 18938), (149, 18968), (164, 19010), (216, 19160), (239, 19205), (260, 19256), (262, 19262), (309, 19385), (345, 19472),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 36
Candidate Starts for Arri_33:
(Start: 36 @25616 has 36 MA's), (74, 25721), (91, 25790), (93, 25796), (100, 25820), (105, 25835), (238, 26195), (245, 26210), (252, 26228), (293, 26330), (309, 26372), (321, 26408), (367, 26504), (390, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 46
Candidate Starts for Artemis2UCLA_30:
(Start: 46 @18860 has 280 MA's), (58, 18878), (67, 18914), (78, 18953), (107, 19058), (149, 19235), (163, 19274), (164, 19277), (193, 19364), (200, 19385), (255, 19511), (284, 19583), (345, 19733), (349, 19742), (389, 19823),

Gene: Arturo_25 Start: 18601, Stop: 19842, Start Num: 53
Candidate Starts for Arturo_25:
(16, 18460), (19, 18490), (20, 18499), (22, 18532), (Start: 53 @18601 has 355 MA's), (58, 18613), (74, 18679), (78, 18697), (87, 18727), (140, 18946), (164, 19018), (178, 19063), (182, 19075), (240, 19219), (279, 19309), (306, 19372), (309, 19381), (346, 19474), (364, 19513), (387, 19558), (400, 19603), (406, 19645), (421, 19786), (422, 19798), (425, 19834),

Gene: Asapag_19 Start: 15508, Stop: 16431, Start Num: 54
Candidate Starts for Asapag_19:
(Start: 54 @15508 has 16 MA's), (Start: 56 @15511 has 6 MA's), (60, 15523), (64, 15541), (75, 15586), (85, 15625), (96, 15664), (106, 15697), (108, 15703), (123, 15772), (137, 15826), (139, 15829), (140, 15832), (145, 15844), (159, 15874), (165, 15892), (186, 15946), (188, 15958), (191, 15964), (204, 15985), (228, 16033), (238, 16057), (245, 16072), (246, 16075), (257, 16096), (307, 16228), (308, 16231), (310, 16237), (323, 16270), (329, 16288), (347, 16321), (375, 16372), (382, 16387), (395, 16423),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 32
Candidate Starts for Ashertheman_34:
(Start: 32 @28975 has 53 MA's), (93, 29161), (96, 29173), (100, 29185), (105, 29200), (108, 29212), (116, 29239), (118, 29254), (125, 29281), (152, 29371), (166, 29407), (188, 29467), (198, 29491), (211, 29503), (238, 29563), (277, 29653), (316, 29767), (321, 29779), (350, 29845), (358, 29860), (373, 29884), (379, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 53
Candidate Starts for Astro_23:
(Start: 53 @17636 has 355 MA's), (85, 17759), (87, 17765), (107, 17837), (133, 17942), (136, 17969), (164, 18059), (240, 18260), (253, 18290), (255, 18293), (338, 18503), (358, 18542), (384, 18590), (389, 18605),

Gene: AugsMagnumOpus_30 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for AugsMagnumOpus_30:

(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for Auspice_27:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for AvadaKedavra_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: Avani_18 Start: 12813, Stop: 13742, Start Num: 42
Candidate Starts for Avani_18:
(Start: 42 @12813 has 12 MA's), (68, 12873), (78, 12924), (106, 13023), (108, 13029), (113, 13044), (145, 13164), (155, 13182), (178, 13248), (183, 13260), (204, 13305), (225, 13344), (228, 13350), (238, 13374), (239, 13377), (240, 13380), (245, 13389), (246, 13392), (276, 13458), (282, 13479), (283, 13482), (296, 13518), (307, 13545), (308, 13548), (323, 13587), (329, 13605), (331, 13611), (350, 13647), (353, 13653), (367, 13677), (372, 13683), (375, 13689),

Gene: AvatarAhPeg_27 Start: 18768, Stop: 20108, Start Num: 52
Candidate Starts for AvatarAhPeg_27:
(Start: 52 @18768 has 21 MA's), (74, 18846), (78, 18864), (87, 18894), (140, 19113), (164, 19185), (178, 19230), (182, 19242), (240, 19386), (270, 19452), (306, 19539), (346, 19641), (364, 19680), (400, 19770), (409, 19821), (411, 19830), (421, 19953), (422, 19965), (427, 20055), (429, 20100),

Gene: Avle17_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Avle17_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Axym_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Axym_17:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (307, 15535), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: Ayanochan_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Ayanochan_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Azira_19 Start: 15745, Stop: 16710, Start Num: 49

Candidate Starts for Azira_19:
(Start: 49 @15745 has 68 MA's), (66, 15790), (74, 15826), (78, 15847), (85, 15874), (100, 15928), (121, 16009), (123, 16018), (124, 16021), (141, 16090), (159, 16138), (167, 16162), (191, 16228), (198, 16243), (221, 16282), (282, 16438), (307, 16504), (308, 16507), (309, 16510), (318, 16537), (321, 16546), (329, 16570), (347, 16603), (355, 16621), (378, 16666), (388, 16696), (392, 16702),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 41
Candidate Starts for Aziz_31:
(Start: 41 @22046 has 21 MA's), (Start: 48 @22055 has 2 MA's), (67, 22109), (75, 22145), (76, 22148), (81, 22166), (85, 22181), (88, 22190), (106, 22250), (107, 22253), (163, 22478), (164, 22481), (175, 22511), (209, 22598), (275, 22739), (291, 22787), (304, 22820), (360, 22943),

Gene: B1_24 Start: 18222, Stop: 19595, Start Num: 53
Candidate Starts for B1_24:
(Start: 53 @18222 has 355 MA's), (74, 18300), (78, 18318), (87, 18348), (107, 18420), (164, 18639), (165, 18642), (178, 18684), (182, 18696), (306, 18993), (334, 19074), (346, 19095), (387, 19185), (400, 19230), (415, 19326), (417, 19386), (422, 19452), (424, 19479), (426, 19518), (427, 19542), (428, 19548),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for BABullseye_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: BBQValindra_18 Start: 15702, Stop: 16631, Start Num: 47
Candidate Starts for BBQValindra_18:
(9, 15468), (15, 15567), (Start: 32 @15681 has 53 MA's), (Start: 47 @15702 has 67 MA's), (Start: 56 @15711 has 6 MA's), (68, 15753), (Start: 70 @15765 has 1 MA's), (126, 15987), (148, 16056), (154, 16062), (157, 16071), (159, 16077), (169, 16107), (180, 16137), (191, 16167), (194, 16173), (228, 16236), (238, 16260), (264, 16317), (274, 16338), (296, 16404), (323, 16473), (377, 16578), (388, 16611),

Gene: BENtherdunthat_19 Start: 15508, Stop: 16431, Start Num: 54
Candidate Starts for BENtherdunthat_19:
(Start: 54 @15508 has 16 MA's), (Start: 56 @15511 has 6 MA's), (60, 15523), (64, 15541), (75, 15586), (85, 15625), (96, 15664), (106, 15697), (108, 15703), (123, 15772), (137, 15826), (139, 15829), (140, 15832), (145, 15844), (159, 15874), (165, 15892), (186, 15946), (188, 15958), (191, 15964), (204, 15985), (228, 16033), (238, 16057), (245, 16072), (246, 16075), (257, 16096), (307, 16228), (308, 16231), (310, 16237), (323, 16270), (329, 16288), (347, 16321), (375, 16372), (382, 16387), (395, 16423),

Gene: Baby16_26 Start: 18499, Stop: 19839, Start Num: 53
Candidate Starts for Baby16_26:
(11, 18301), (16, 18358), (20, 18397), (22, 18430), (Start: 53 @18499 has 355 MA's), (58, 18511), (74, 18577), (78, 18595), (87, 18625), (117, 18748), (140, 18844), (164, 18916), (178, 18961), (182, 18973), (240, 19117), (306, 19270), (346, 19372), (364, 19411), (387, 19456), (397, 19477), (400, 19501), (406, 19543), (421, 19684), (422, 19696), (427, 19786), (428, 19792), (429, 19831),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 46
Candidate Starts for BabyBack_29:
(Start: 46 @20784 has 280 MA's), (78, 20877), (88, 20913), (98, 20952), (149, 21159), (163, 21198), (164, 21201), (309, 21564), (345, 21651), (356, 21675),

Gene: BabyJohn_25 Start: 18806, Stop: 20179, Start Num: 53
Candidate Starts for BabyJohn_25:
(Start: 53 @18806 has 355 MA's), (74, 18884), (78, 18902), (87, 18932), (107, 19004), (164, 19223), (165, 19226), (178, 19268), (182, 19280), (306, 19577), (346, 19679), (387, 19769), (400, 19814), (405, 19856), (415, 19910), (416, 19919), (417, 19970), (422, 20036), (424, 20063), (426, 20102), (427, 20126), (428, 20132),

Gene: BabyRay_26 Start: 18782, Stop: 20155, Start Num: 53
Candidate Starts for BabyRay_26:
(Start: 53 @18782 has 355 MA's), (74, 18860), (78, 18878), (87, 18908), (107, 18980), (164, 19199), (165, 19202), (178, 19244), (182, 19256), (306, 19553), (334, 19634), (346, 19655), (387, 19745), (400, 19790), (411, 19856), (415, 19886), (416, 19895), (417, 19946), (422, 20012), (424, 20039), (426, 20078), (427, 20102), (428, 20108),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 46
Candidate Starts for Bachome_27:
(Start: 46 @19727 has 280 MA's), (67, 19784), (85, 19859), (117, 19988), (133, 20048), (148, 20108), (149, 20114), (164, 20156), (178, 20201), (180, 20207), (212, 20291), (230, 20324), (345, 20606), (349, 20615), (356, 20630), (389, 20696),

Gene: BackstagePass_18 Start: 15842, Stop: 16771, Start Num: 47
Candidate Starts for BackstagePass_18:
(Start: 47 @15842 has 67 MA's), (Start: 56 @15851 has 6 MA's), (68, 15893), (Start: 70 @15905 has 1 MA's), (106, 16043), (126, 16127), (148, 16196), (154, 16202), (157, 16211), (159, 16217), (169, 16247), (180, 16277), (191, 16307), (194, 16313), (228, 16376), (238, 16400), (264, 16457), (274, 16478), (296, 16544), (323, 16613), (388, 16751),

Gene: Backyardigan_26 Start: 18495, Stop: 19838, Start Num: 52
Candidate Starts for Backyardigan_26:
(Start: 52 @18495 has 21 MA's), (74, 18573), (78, 18591), (87, 18621), (140, 18840), (148, 18864), (164, 18912), (178, 18957), (182, 18969), (216, 19059), (230, 19086), (306, 19266), (346, 19371), (364, 19410), (400, 19500), (409, 19551), (411, 19560), (421, 19683), (422, 19695), (427, 19785), (429, 19830),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 46
Candidate Starts for Bactobuster_28:
(Start: 46 @20771 has 280 MA's), (74, 20846), (78, 20864), (98, 20939), (133, 21080), (138, 21110), (149, 21146), (164, 21188), (195, 21278), (208, 21314), (212, 21329), (271, 21455), (303, 21542), (345, 21644), (356, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 32
Candidate Starts for Baddon_33:
(Start: 32 @29772 has 53 MA's), (85, 29928), (93, 29958), (96, 29970), (97, 29973), (100, 29982), (105, 29997), (108, 30009), (152, 30168), (166, 30204), (188, 30264), (211, 30300), (238, 30360), (277, 30450), (309, 30540), (316, 30564), (321, 30576), (350, 30642), (358, 30657), (373, 30681), (379, 30693),

Gene: Badger_26 Start: 18484, Stop: 19827, Start Num: 52
Candidate Starts for Badger_26:
(Start: 52 @18484 has 21 MA's), (74, 18562), (78, 18580), (87, 18610), (140, 18829), (148, 18853), (164, 18901), (178, 18946), (182, 18958), (216, 19048), (230, 19075), (306, 19255), (346, 19360), (364, 19399), (400, 19489), (409, 19540), (411, 19549), (421, 19672), (422, 19684), (427, 19774), (429, 19819),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 46
Candidate Starts for Baehexic_28:
(Start: 46 @19662 has 280 MA's), (74, 19737), (78, 19755), (88, 19791), (98, 19830), (140, 20007), (149, 20037), (163, 20076), (164, 20079), (345, 20535), (356, 20559),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 36
Candidate Starts for Bakery_31:
(Start: 36 @24839 has 36 MA's), (74, 24935), (91, 25004), (93, 25010), (96, 25022), (97, 25025), (100, 25034), (105, 25049), (152, 25223), (166, 25259), (225, 25376), (238, 25406), (293, 25541), (307, 25577), (316, 25607), (321, 25619), (355, 25694), (367, 25715),

Gene: Balloona_16 Start: 14468, Stop: 15424, Start Num: 49
Candidate Starts for Balloona_16:
(Start: 49 @14468 has 68 MA's), (66, 14513), (78, 14570), (85, 14597), (100, 14651), (108, 14678), (121, 14729), (122, 14732), (123, 14738), (124, 14741), (137, 14795), (143, 14810), (159, 14855), (167, 14879), (174, 14894), (191, 14945), (238, 15041), (308, 15227), (318, 15257), (321, 15266), (347, 15323), (375, 15374), (388, 15410), (392, 15416),

Gene: BangNhom_26 Start: 18801, Stop: 20141, Start Num: 53
Candidate Starts for BangNhom_26:
(16, 18660), (19, 18690), (20, 18699), (22, 18732), (Start: 53 @18801 has 355 MA's), (74, 18879), (78, 18897), (87, 18927), (140, 19146), (164, 19218), (178, 19263), (182, 19275), (240, 19419), (303, 19566), (306, 19572), (346, 19674), (364, 19713), (400, 19803), (421, 19986), (422, 19998), (427, 20088), (428, 20094), (429, 20133),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 47
Candidate Starts for Baoshan_16:
(Start: 47 @15899 has 67 MA's), (60, 15923), (67, 15953), (88, 16034), (101, 16079), (162, 16304), (163, 16307), (164, 16310), (175, 16340), (196, 16397), (209, 16427), (244, 16496), (249, 16514), (281, 16589), (285, 16601), (309, 16664), (318, 16691), (342, 16754), (361, 16793), (366, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 36
Candidate Starts for Barb_32:
(Start: 36 @25634 has 36 MA's), (74, 25739), (91, 25808), (93, 25814), (100, 25838), (105, 25853), (238, 26213), (245, 26228), (252, 26246), (293, 26348), (309, 26390), (321, 26426), (367, 26522), (390, 26573),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 32
Candidate Starts for Barsten_34:
(Start: 32 @29324 has 53 MA's), (93, 29510), (96, 29522), (105, 29549), (110, 29570), (125, 29630), (150, 29717), (152, 29720), (166, 29756), (179, 29789), (186, 29804), (188, 29816), (206, 29846), (211, 29852), (238, 29912), (277, 30002), (309, 30092), (316, 30116), (321, 30128), (350, 30194), (379, 30245),

Gene: Bartimeaus_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Bartimeaus_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 50

Candidate Starts for Battleship_30:
(Start: 50 @18234 has 24 MA's), (85, 18348), (87, 18354), (88, 18357), (146, 18591), (251, 18858), (282, 18912), (345, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 48
Candidate Starts for Baudelaire_17:
(30, 15389), (33, 15404), (Start: 48 @15428 has 2 MA's), (60, 15452), (71, 15497), (74, 15512), (78, 15530), (101, 15608), (140, 15761), (144, 15770), (164, 15833), (208, 15944), (209, 15950), (211, 15956), (233, 15992), (244, 16019), (254, 16043), (261, 16061), (265, 16070), (267, 16073), (281, 16112), (291, 16139), (309, 16187), (315, 16208), (361, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 32
Candidate Starts for Baumdotcom_33:
(Start: 32 @28596 has 53 MA's), (93, 28782), (96, 28794), (100, 28806), (105, 28821), (108, 28833), (116, 28860), (118, 28875), (125, 28902), (152, 28992), (166, 29028), (188, 29088), (198, 29112), (211, 29124), (238, 29184), (277, 29274), (316, 29388), (321, 29400), (350, 29466), (358, 29481), (373, 29505), (379, 29517),

Gene: Bavilard_17 Start: 15254, Stop: 16210, Start Num: 49
Candidate Starts for Bavilard_17:
(Start: 49 @15254 has 68 MA's), (66, 15299), (78, 15356), (85, 15383), (100, 15437), (108, 15464), (121, 15515), (122, 15518), (123, 15524), (124, 15527), (137, 15581), (143, 15596), (159, 15641), (167, 15665), (174, 15680), (191, 15731), (238, 15827), (308, 16013), (318, 16043), (321, 16052), (329, 16076), (347, 16109), (388, 16196), (392, 16202),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 47
Candidate Starts for Bazzle_17:
(Start: 47 @16039 has 67 MA's), (60, 16063), (67, 16093), (101, 16219), (162, 16444), (163, 16447), (164, 16450), (196, 16537), (208, 16561), (209, 16567), (244, 16636), (249, 16654), (258, 16672), (259, 16675), (309, 16804), (318, 16831), (322, 16843), (361, 16933), (366, 16945),

Gene: Beauxregard13_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for Beauxregard13_28:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 46
Candidate Starts for Beemo_28:
(Start: 46 @20561 has 280 MA's), (58, 20579), (74, 20636), (78, 20654), (88, 20690), (133, 20870), (140, 20906), (149, 20936), (164, 20978), (222, 21137), (284, 21281), (309, 21344), (338, 21419), (345, 21431), (356, 21455),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Belenaria_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 47
Candidate Starts for Bellis_18:
(Start: 47 @16492 has 67 MA's), (60, 16516), (71, 16561), (74, 16576), (78, 16597), (107, 16693), (140, 16828), (144, 16837), (163, 16897), (164, 16900), (166, 16906), (192, 16978), (208, 17011),

(244, 17086), (267, 17140), (276, 17161), (292, 17212), (309, 17254), (361, 17365), (363, 17368),

Gene: Bellris_26 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for Bellris_26:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (107, 18785), (140, 18932), (149, 18962), (164, 19004), (200, 19109), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (266, 19265), (309, 19379), (327, 19430), (338, 19454), (345, 19466), (389, 19556),

Gene: BellusTerra_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for BellusTerra_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 26
Candidate Starts for Belphegor_32:
(Start: 26 @29032 has 29 MA's), (84, 29191), (100, 29251), (123, 29347), (124, 29350), (151, 29458), (159, 29479), (192, 29581), (208, 29617), (285, 29809), (293, 29833), (295, 29839), (302, 29854), (320, 29905), (332, 29938), (333, 29941), (368, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 53
Candidate Starts for Benedict_23:
(Start: 53 @17968 has 355 MA's), (87, 18097), (88, 18100), (98, 18139), (133, 18274), (138, 18304), (148, 18334), (149, 18340), (156, 18358), (164, 18382), (177, 18424), (345, 18838), (389, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 46
Candidate Starts for BengiVuitton_28:
(Start: 46 @19613 has 280 MA's), (78, 19706), (88, 19742), (98, 19781), (149, 19988), (163, 20027), (164, 20030), (255, 20258), (271, 20291), (309, 20393), (316, 20414), (338, 20468), (345, 20480), (389, 20570),

Gene: BennyP_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for BennyP_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 46
Candidate Starts for Benvolio_27:
(Start: 46 @19279 has 280 MA's), (74, 19354), (78, 19372), (88, 19408), (98, 19447), (149, 19654), (163, 19693), (164, 19696), (309, 20065), (338, 20140), (345, 20152),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 46
Candidate Starts for BiancaTri92_29:
(Start: 46 @20966 has 280 MA's), (74, 21041), (78, 21059), (88, 21095), (98, 21134), (140, 21311), (149, 21341), (163, 21380), (164, 21383), (255, 21611), (309, 21746), (338, 21821), (345, 21833), (389, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 32
Candidate Starts for Bibwit_33:
(Start: 32 @29511 has 53 MA's), (93, 29697), (96, 29709), (105, 29736), (152, 29907), (166, 29943), (179, 29976), (186, 29991), (188, 30003), (206, 30033), (211, 30039), (238, 30099), (277, 30189), (309, 30279), (316, 30303), (321, 30315), (350, 30381), (379, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for BigCheese_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: BigChungus_16 Start: 14508, Stop: 15464, Start Num: 49
Candidate Starts for BigChungus_16:
(Start: 49 @14508 has 68 MA's), (66, 14553), (78, 14610), (85, 14637), (100, 14691), (108, 14718), (121, 14769), (122, 14772), (123, 14778), (124, 14781), (137, 14835), (143, 14850), (159, 14895), (167, 14919), (191, 14985), (238, 15081), (308, 15267), (318, 15297), (321, 15306), (329, 15330), (347, 15363), (388, 15450), (392, 15456),

Gene: BigHunkinEater_37 Start: 29015, Stop: 29992, Start Num: 26
Candidate Starts for BigHunkinEater_37:
(Start: 26 @29015 has 29 MA's), (62, 29090), (64, 29102), (74, 29138), (84, 29174), (114, 29276), (123, 29330), (140, 29402), (160, 29465), (163, 29474), (180, 29531), (192, 29564), (205, 29597), (208, 29600), (227, 29657), (273, 29753), (283, 29786), (286, 29795), (295, 29816), (308, 29843), (314, 29864), (318, 29873), (320, 29879), (332, 29912), (333, 29915), (359, 29969), (368, 29981),

Gene: Bigflo_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for Bigflo_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: BillDoor_19 Start: 14397, Stop: 15368, Start Num: 49
Candidate Starts for BillDoor_19:
(Start: 49 @14397 has 68 MA's), (66, 14442), (71, 14463), (74, 14478), (78, 14499), (91, 14550), (100, 14580), (108, 14607), (121, 14658), (123, 14667), (124, 14670), (137, 14724), (141, 14736), (159, 14784), (191, 14874), (215, 14925), (225, 14955), (238, 14985), (246, 15003), (282, 15099), (289, 15117), (307, 15168), (308, 15171), (318, 15201), (321, 15210), (325, 15225), (353, 15282), (381, 15330), (388, 15354), (392, 15360),

Gene: Biskit_18 Start: 14412, Stop: 15383, Start Num: 49
Candidate Starts for Biskit_18:
(Start: 49 @14412 has 68 MA's), (66, 14457), (71, 14478), (85, 14541), (91, 14565), (100, 14595), (121, 14673), (123, 14682), (124, 14685), (141, 14751), (159, 14799), (175, 14841), (186, 14871), (191, 14889), (215, 14940), (238, 15000), (245, 15015), (246, 15018), (255, 15042), (282, 15114), (289, 15132), (307, 15183), (308, 15186), (318, 15216), (321, 15225), (325, 15240), (353, 15297), (381, 15345), (388, 15369), (392, 15375),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 32
Candidate Starts for Bizzy_34:
(Start: 32 @28919 has 53 MA's), (85, 29075), (93, 29105), (96, 29117), (100, 29129), (105, 29144), (108, 29156), (152, 29315), (166, 29351), (188, 29411), (211, 29447), (238, 29507), (277, 29597), (309, 29687), (316, 29711), (321, 29723), (350, 29789), (358, 29804), (373, 29828), (379, 29840),

Gene: Blackmoor_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Blackmoor_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182,

18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Blarby_19 Start: 13331, Stop: 14263, Start Num: 42
Candidate Starts for Blarby_19:
(Start: 42 @13331 has 12 MA's), (78, 13442), (106, 13541), (108, 13547), (113, 13562), (122, 13604), (145, 13682), (155, 13700), (178, 13766), (204, 13823), (225, 13862), (238, 13892), (245, 13907), (246, 13910), (257, 13931), (276, 13976), (282, 13997), (283, 14000), (296, 14036), (307, 14063), (308, 14066), (323, 14105), (329, 14123), (350, 14165), (367, 14195), (369, 14198), (372, 14204), (375, 14210),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for BlessJoy_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831), (349, 19840), (389, 19921),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 46
Candidate Starts for Blinn1_30:
(Start: 46 @19032 has 280 MA's), (67, 19086), (78, 19125), (88, 19161), (107, 19230), (140, 19377), (149, 19407), (163, 19446), (164, 19449), (178, 19494), (200, 19554), (255, 19680), (284, 19752), (345, 19902), (349, 19911),

Gene: Blondies_18 Start: 14395, Stop: 15366, Start Num: 49
Candidate Starts for Blondies_18:
(Start: 49 @14395 has 68 MA's), (66, 14440), (71, 14461), (85, 14524), (91, 14548), (100, 14578), (121, 14656), (123, 14665), (124, 14668), (141, 14734), (159, 14782), (175, 14824), (186, 14854), (191, 14872), (215, 14923), (238, 14983), (245, 14998), (246, 15001), (255, 15025), (282, 15097), (289, 15115), (307, 15166), (308, 15169), (318, 15199), (321, 15208), (325, 15223), (353, 15280), (381, 15328), (388, 15352), (392, 15358),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 46
Candidate Starts for Blue7_30:
(Start: 46 @18950 has 280 MA's), (58, 18968), (67, 19004), (78, 19043), (107, 19148), (149, 19325), (163, 19364), (164, 19367), (193, 19454), (200, 19475), (255, 19601), (284, 19673), (345, 19823), (349, 19832), (389, 19913),

Gene: BlueBird_27 Start: 18534, Stop: 19907, Start Num: 53
Candidate Starts for BlueBird_27:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 53
Candidate Starts for Bluefalcon_22:
(Start: 53 @18724 has 355 MA's), (78, 18820), (87, 18853), (88, 18856), (98, 18895), (112, 18943), (149, 19096), (156, 19114), (164, 19138), (177, 19180), (303, 19492), (345, 19594), (358, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 32
Candidate Starts for BobBob_31:
(Start: 32 @28792 has 53 MA's), (93, 28978), (96, 28990), (105, 29017), (110, 29038), (125, 29098), (152, 29188), (166, 29224), (179, 29257), (186, 29272), (188, 29284), (206, 29314), (211, 29320),

(238, 29380), (277, 29470), (309, 29560), (316, 29584), (321, 29596), (350, 29662), (358, 29677), (373, 29701), (379, 29713), (390, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 46
Candidate Starts for BobSwaget_30:
(Start: 46 @20811 has 280 MA's), (78, 20904), (88, 20940), (98, 20979), (149, 21186), (163, 21225), (164, 21228), (178, 21273), (212, 21363), (255, 21456), (271, 21489), (309, 21591), (338, 21666), (345, 21678), (389, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 53
Candidate Starts for BobbyDazzler_22:
(Start: 53 @15525 has 355 MA's), (64, 15564), (85, 15645), (87, 15651), (106, 15720), (124, 15798), (131, 15825), (164, 15936), (216, 16032), (309, 16161), (315, 16179), (345, 16248), (401, 16386),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for BobsGarage_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 46
Candidate Starts for BogosyJay_28:
(Start: 46 @20290 has 280 MA's), (58, 20308), (74, 20365), (78, 20383), (88, 20419), (133, 20599), (140, 20635), (149, 20665), (164, 20707), (222, 20866), (260, 20953), (345, 21169), (356, 21193),

Gene: Bombshell_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Bombshell_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 53
Candidate Starts for Bonamassa_23:
(Start: 53 @18648 has 355 MA's), (78, 18744), (87, 18777), (88, 18780), (133, 18954), (148, 19014), (149, 19020), (156, 19038), (164, 19062), (177, 19104), (303, 19416), (345, 19518), (389, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 53
Candidate Starts for Bonanza_22:
(Start: 53 @15454 has 355 MA's), (64, 15493), (85, 15574), (87, 15580), (106, 15649), (124, 15727), (131, 15754), (164, 15865), (216, 15961), (309, 16090), (315, 16108), (345, 16177), (401, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for Bongo_27:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 50
Candidate Starts for Boohoo_29:
(Start: 50 @18122 has 24 MA's), (85, 18236), (87, 18242), (88, 18245), (146, 18479), (251, 18746), (282, 18800), (345, 18956),

Gene: BotCity_19 Start: 15506, Stop: 16429, Start Num: 54
Candidate Starts for BotCity_19:
(Start: 54 @15506 has 16 MA's), (Start: 56 @15509 has 6 MA's), (60, 15521), (64, 15539), (75, 15584), (85, 15623), (96, 15662), (106, 15695), (108, 15701), (123, 15770), (137, 15824), (139, 15827), (140, 15830), (145, 15842), (159, 15872), (165, 15890), (186, 15944), (188, 15956), (191, 15962), (204, 15983), (228, 16031), (238, 16055), (245, 16070), (246, 16073), (257, 16094), (307, 16226), (308, 16229), (310, 16235), (323, 16268), (329, 16286), (347, 16319), (375, 16370), (382, 16385), (395, 16421),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 47
Candidate Starts for BourbonZero_17:
(Start: 47 @16488 has 67 MA's), (60, 16512), (71, 16557), (74, 16572), (78, 16593), (107, 16689), (109, 16698), (140, 16824), (144, 16833), (163, 16893), (164, 16896), (166, 16902), (192, 16974), (208, 17007), (211, 17019), (244, 17082), (276, 17157), (292, 17208), (309, 17250), (361, 17361), (363, 17364),

Gene: Bowser_18 Start: 15695, Stop: 16621, Start Num: 47
Candidate Starts for Bowser_18:
(2, 15356), (5, 15431), (Start: 32 @15677 has 53 MA's), (Start: 47 @15695 has 67 MA's), (Start: 56 @15704 has 6 MA's), (68, 15746), (Start: 70 @15758 has 1 MA's), (126, 15980), (139, 16025), (148, 16049), (154, 16055), (157, 16064), (159, 16070), (169, 16100), (180, 16130), (191, 16160), (194, 16166), (226, 16226), (228, 16229), (238, 16253), (264, 16310), (274, 16331), (296, 16397), (323, 16466), (348, 16520), (388, 16604),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 46
Candidate Starts for Bowtie_27:
(Start: 46 @19736 has 280 MA's), (67, 19793), (85, 19868), (117, 19997), (133, 20057), (148, 20117), (149, 20123), (164, 20165), (178, 20210), (180, 20216), (212, 20300), (230, 20333), (345, 20615), (349, 20624), (356, 20639), (389, 20705),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 46
Candidate Starts for Bradman_26:
(Start: 46 @18067 has 280 MA's), (67, 18121), (74, 18142), (78, 18160), (98, 18235), (149, 18442), (163, 18481), (164, 18484), (178, 18529), (255, 18712), (271, 18745), (309, 18847), (345, 18934), (389, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Bradshaw_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 46
Candidate Starts for BrainDrainer_18:
(Start: 46 @15831 has 280 MA's), (60, 15855), (66, 15882), (67, 15885), (71, 15900), (78, 15933), (107, 16029), (140, 16164), (144, 16173), (163, 16233), (164, 16236), (192, 16314), (197, 16329), (209, 16353), (229, 16386), (244, 16422), (254, 16446), (261, 16464), (265, 16473), (281, 16515), (291, 16542), (309, 16590), (318, 16617), (361, 16701),

Gene: Bran_16 Start: 15156, Stop: 16322, Start Num: 46
Candidate Starts for Bran_16:
(Start: 46 @15156 has 280 MA's), (85, 15285), (162, 15567), (164, 15573), (172, 15597), (180, 15624), (196, 15666), (207, 15693), (213, 15711), (243, 15801), (263, 15849), (269, 15864), (280, 15897),

(287, 15915), (290, 15924), (301, 15957), (312, 15990), (327, 16035), (330, 16044), (335, 16056), (339, 16068), (351, 16092), (380, 16149), (398, 16197), (402, 16245), (404, 16254), (408, 16269), (410, 16281), (412, 16287), (414, 16311),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 32
Candidate Starts for Brandonk123_35:
(Start: 32 @29858 has 53 MA's), (93, 30044), (96, 30056), (105, 30083), (110, 30104), (125, 30164), (152, 30254), (166, 30290), (179, 30323), (186, 30338), (188, 30350), (206, 30380), (211, 30386), (238, 30446), (277, 30536), (309, 30626), (316, 30650), (321, 30662), (350, 30728), (373, 30767), (379, 30779),

Gene: Brawn1_30 Start: 28666, Stop: 29622, Start Num: 32
Candidate Starts for Brawn1_30:
(Start: 32 @28666 has 53 MA's), (93, 28852), (96, 28864), (105, 28891), (110, 28912), (125, 28972), (152, 29062), (166, 29098), (179, 29131), (186, 29146), (188, 29158), (206, 29188), (211, 29194), (238, 29254), (277, 29344), (309, 29434), (316, 29458), (321, 29470), (350, 29536), (379, 29587),

Gene: BreSam8_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for BreSam8_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Breezona_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 41
Candidate Starts for Bricole_27:
(Start: 41 @21443 has 21 MA's), (76, 21545), (81, 21563), (85, 21578), (107, 21650), (109, 21659), (129, 21737), (162, 21872), (163, 21875), (164, 21878), (187, 21947), (208, 21989), (209, 21995), (275, 22136), (281, 22157), (285, 22169), (336, 22292), (342, 22304),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 46
Candidate Starts for Bromden_18:
(Start: 46 @16160 has 280 MA's), (60, 16184), (66, 16211), (67, 16214), (71, 16229), (78, 16262), (107, 16358), (140, 16493), (144, 16502), (164, 16565), (192, 16643), (197, 16658), (209, 16682), (244, 16751), (254, 16775), (261, 16793), (267, 16805), (291, 16871), (309, 16919), (318, 16946), (361, 17030),

Gene: Broseidon_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Broseidon_26:
(11, 18292), (16, 18349), (18, 18367), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Bruiser_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Bruiser_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182,

18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 53
Candidate Starts for Bryce_22:
(Start: 53 @15454 has 355 MA's), (64, 15493), (85, 15574), (87, 15580), (106, 15649), (124, 15727), (131, 15754), (164, 15865), (216, 15961), (309, 16090), (315, 16108), (338, 16165), (345, 16177), (401, 16315),

Gene: Bubble_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Bubble_17:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: BubbleTrouble_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for BubbleTrouble_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Buckaroo_25 Start: 18494, Stop: 19834, Start Num: 53
Candidate Starts for Buckaroo_25:
(11, 18296), (16, 18353), (18, 18371), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 46
Candidate Starts for Bud_27:
(Start: 46 @19742 has 280 MA's), (67, 19799), (85, 19874), (117, 20003), (133, 20063), (148, 20123), (149, 20129), (164, 20171), (178, 20216), (180, 20222), (212, 20306), (230, 20339), (345, 20621), (349, 20630), (356, 20645), (389, 20711),

Gene: Budski_19 Start: 15501, Stop: 16424, Start Num: 54
Candidate Starts for Budski_19:
(Start: 54 @15501 has 16 MA's), (Start: 56 @15504 has 6 MA's), (60, 15516), (64, 15534), (75, 15579), (85, 15618), (96, 15657), (106, 15690), (108, 15696), (123, 15765), (137, 15819), (139, 15822), (140, 15825), (145, 15837), (155, 15855), (157, 15861), (159, 15867), (165, 15885), (186, 15939), (188, 15951), (191, 15957), (204, 15978), (228, 16026), (235, 16044), (238, 16050), (245, 16065), (246, 16068), (307, 16221), (308, 16224), (310, 16230), (323, 16263), (329, 16281), (347, 16314), (375, 16365), (382, 16380), (395, 16416),

Gene: Bugatti_27 Start: 18534, Stop: 19907, Start Num: 53
Candidate Starts for Bugatti_27:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Bugsy_29 Start: 19683, Stop: 20699, Start Num: 46
Candidate Starts for Bugsy_29:
(Start: 46 @19683 has 280 MA's), (74, 19758), (78, 19776), (88, 19812), (98, 19851), (149, 20058), (163, 20097), (164, 20100), (193, 20187), (271, 20367), (309, 20469), (338, 20544), (345, 20556),

Gene: Bumblebee11_26 Start: 18489, Stop: 19829, Start Num: 52
Candidate Starts for Bumblebee11_26:
(Start: 52 @18489 has 21 MA's), (74, 18567), (78, 18585), (140, 18834), (148, 18858), (164, 18906), (178, 18951), (182, 18963), (216, 19053), (306, 19260), (346, 19362), (364, 19401), (371, 19413), (400, 19491), (409, 19542), (411, 19551), (421, 19674), (422, 19686), (427, 19776), (429, 19821),

Gene: Bunker_18 Start: 15822, Stop: 16751, Start Num: 47
Candidate Starts for Bunker_18:
(7, 15585), (Start: 32 @15801 has 53 MA's), (Start: 47 @15822 has 67 MA's), (Start: 56 @15831 has 6 MA's), (68, 15873), (Start: 70 @15885 has 1 MA's), (126, 16107), (139, 16152), (148, 16176), (154, 16182), (157, 16191), (159, 16197), (169, 16227), (180, 16257), (191, 16287), (194, 16293), (228, 16356), (238, 16380), (264, 16437), (274, 16458), (296, 16524), (323, 16593), (388, 16731),

Gene: Burger_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Burger_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Burnsey_17 Start: 14765, Stop: 15736, Start Num: 49
Candidate Starts for Burnsey_17:
(Start: 49 @14765 has 68 MA's), (66, 14810), (71, 14831), (85, 14894), (91, 14918), (100, 14948), (111, 14987), (121, 15026), (123, 15035), (124, 15038), (141, 15104), (159, 15152), (175, 15194), (191, 15242), (215, 15293), (238, 15353), (245, 15368), (246, 15371), (251, 15389), (255, 15395), (274, 15440), (282, 15467), (289, 15485), (308, 15539), (318, 15569), (321, 15578), (325, 15593), (353, 15650), (381, 15698), (388, 15722), (392, 15728),

Gene: Button_18 Start: 13831, Stop: 14790, Start Num: 49
Candidate Starts for Button_18:
(Start: 49 @13831 has 68 MA's), (67, 13879), (68, 13882), (85, 13960), (109, 14047), (123, 14101), (143, 14173), (151, 14197), (159, 14218), (191, 14308), (204, 14323), (211, 14338), (238, 14410), (274, 14497), (307, 14590), (308, 14593), (318, 14623), (321, 14632), (329, 14656), (347, 14689), (350, 14698), (353, 14704), (382, 14755), (388, 14776), (392, 14782),

Gene: Buttrmlkdreams_17 Start: 14394, Stop: 15365, Start Num: 49
Candidate Starts for Buttrmlkdreams_17:
(Start: 49 @14394 has 68 MA's), (66, 14439), (71, 14460), (85, 14523), (91, 14547), (100, 14577), (121, 14655), (123, 14664), (124, 14667), (141, 14733), (159, 14781), (175, 14823), (186, 14853), (191, 14871), (215, 14922), (238, 14982), (245, 14997), (246, 15000), (255, 15024), (282, 15096), (289, 15114), (307, 15165), (308, 15168), (318, 15198), (321, 15207), (325, 15222), (353, 15279), (381, 15327), (388, 15351), (392, 15357),

Gene: BuzzBuzz_27 Start: 19096, Stop: 20466, Start Num: 53
Candidate Starts for BuzzBuzz_27:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (364, 20008), (400, 20104), (405, 20146), (416, 20206), (419, 20278), (422, 20323), (426, 20389), (427, 20413), (428, 20419),

Gene: Bxz2_27 Start: 19106, Stop: 20476, Start Num: 53
Candidate Starts for Bxz2_27:
(Start: 53 @19106 has 355 MA's), (78, 19202), (85, 19226), (87, 19232), (142, 19457), (164, 19523), (182, 19580), (212, 19658), (270, 19790), (306, 19877), (364, 20018), (400, 20114), (405, 20156), (416, 20216), (419, 20288), (422, 20333), (426, 20399), (427, 20423), (428, 20429),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 46
Candidate Starts for C3_25:
(Start: 46 @19185 has 280 MA's), (67, 19239), (74, 19260), (78, 19278), (121, 19449), (149, 19560), (163, 19599), (164, 19602), (178, 19647), (212, 19737), (303, 19950), (309, 19965), (338, 20040), (345, 20052), (356, 20076), (389, 20142),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 46
Candidate Starts for CRB1_27:
(Start: 46 @19176 has 280 MA's), (67, 19230), (78, 19269), (98, 19344), (133, 19485), (149, 19551), (163, 19590), (164, 19593), (255, 19821), (309, 19956), (316, 19977), (338, 20031), (345, 20043), (389, 20133),

Gene: Caelakin_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Caelakin_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 40
Candidate Starts for Cafasso_18:
(1, 15190), (Start: 40 @15643 has 8 MA's), (58, 15670), (66, 15703), (92, 15805), (99, 15832), (107, 15856), (133, 15958), (140, 15991), (147, 16021), (162, 16057), (164, 16063), (167, 16072), (193, 16150), (208, 16180), (209, 16186), (214, 16201), (258, 16306), (285, 16372), (321, 16471), (339, 16504), (357, 16540),

Gene: Caitlin_23 Start: 17633, Stop: 18655, Start Num: 53
Candidate Starts for Caitlin_23:
(Start: 53 @17633 has 355 MA's), (85, 17756), (87, 17762), (107, 17834), (133, 17939), (136, 17966), (164, 18056), (240, 18257), (253, 18287), (255, 18290), (338, 18500), (358, 18539), (384, 18587), (389, 18602),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 34
Candidate Starts for Calm_17:
(Start: 34 @15861 has 9 MA's), (Start: 46 @15879 has 280 MA's), (60, 15903), (67, 15933), (71, 15948), (78, 15981), (119, 16125), (138, 16206), (163, 16281), (164, 16284), (166, 16290), (182, 16335), (192, 16362), (208, 16395), (209, 16401), (229, 16434), (233, 16443), (244, 16470), (291, 16590), (309, 16638), (339, 16704), (342, 16710), (361, 16749),

Gene: Calvinny_28 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Calvinny_28:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: Camperdownii_25 Start: 18109, Stop: 19449, Start Num: 53

Candidate Starts for Camperdownii_25:
(11, 17911), (16, 17968), (20, 18007), (22, 18040), (Start: 53 @18109 has 355 MA's), (58, 18121), (74, 18187), (78, 18205), (87, 18235), (140, 18454), (164, 18526), (178, 18571), (182, 18583), (240, 18727), (303, 18874), (306, 18880), (346, 18982), (364, 19021), (400, 19111), (421, 19294), (422, 19306), (427, 19396), (429, 19441),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 46
Candidate Starts for Candra_30:
(Start: 46 @19002 has 280 MA's), (67, 19056), (78, 19095), (107, 19200), (140, 19347), (149, 19377), (163, 19416), (164, 19419), (178, 19464), (200, 19524), (284, 19722), (345, 19872), (349, 19881), (389, 19962),

Gene: CanesSauce_17 Start: 14430, Stop: 15401, Start Num: 49
Candidate Starts for CanesSauce_17:
(Start: 49 @14430 has 68 MA's), (66, 14475), (71, 14496), (74, 14511), (78, 14532), (91, 14583), (100, 14613), (108, 14640), (121, 14691), (123, 14700), (124, 14703), (137, 14757), (141, 14769), (159, 14817), (168, 14844), (191, 14907), (215, 14958), (225, 14988), (238, 15018), (246, 15036), (282, 15132), (289, 15150), (307, 15201), (308, 15204), (318, 15234), (321, 15243), (325, 15258), (353, 15315), (381, 15363), (388, 15387), (392, 15393),

Gene: CaramelLatte_17 Start: 14430, Stop: 15401, Start Num: 49
Candidate Starts for CaramelLatte_17:
(Start: 49 @14430 has 68 MA's), (66, 14475), (71, 14496), (74, 14511), (78, 14532), (91, 14583), (100, 14613), (108, 14640), (121, 14691), (123, 14700), (124, 14703), (137, 14757), (141, 14769), (159, 14817), (168, 14844), (191, 14907), (215, 14958), (225, 14988), (238, 15018), (246, 15036), (282, 15132), (289, 15150), (307, 15201), (308, 15204), (318, 15234), (321, 15243), (325, 15258), (353, 15315), (381, 15363), (388, 15387), (392, 15393),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 46
Candidate Starts for Caraxes_26:
(Start: 46 @17822 has 280 MA's), (77, 17915), (81, 17930), (88, 17957), (149, 18203), (163, 18242), (164, 18245), (178, 18290), (212, 18380), (255, 18473), (271, 18506), (309, 18608), (327, 18659), (338, 18683), (345, 18695), (356, 18719), (389, 18785),

Gene: Carsonalex_18 Start: 14822, Stop: 15793, Start Num: 49
Candidate Starts for Carsonalex_18:
(Start: 49 @14822 has 68 MA's), (66, 14867), (71, 14888), (85, 14951), (91, 14975), (100, 15005), (111, 15044), (121, 15083), (123, 15092), (124, 15095), (141, 15161), (159, 15209), (175, 15251), (191, 15299), (215, 15350), (238, 15410), (245, 15425), (246, 15428), (251, 15446), (255, 15452), (274, 15497), (282, 15524), (289, 15542), (307, 15593), (308, 15596), (318, 15626), (321, 15635), (325, 15650), (353, 15707), (381, 15755), (388, 15779), (392, 15785),

Gene: Cat_24 Start: 18401, Stop: 19774, Start Num: 53
Candidate Starts for Cat_24:
(Start: 53 @18401 has 355 MA's), (74, 18479), (78, 18497), (87, 18527), (107, 18599), (164, 18818), (165, 18821), (178, 18863), (182, 18875), (306, 19172), (334, 19253), (346, 19274), (387, 19364), (400, 19409), (405, 19451), (416, 19514), (417, 19565), (418, 19568), (422, 19631), (424, 19658), (426, 19697), (427, 19721), (428, 19727),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 46
Candidate Starts for Catalina_28:
(Start: 46 @20528 has 280 MA's), (58, 20546), (74, 20603), (78, 20621), (88, 20657), (133, 20837), (140, 20873), (149, 20903), (164, 20945), (222, 21104), (284, 21248), (309, 21311), (338, 21386),

(345, 21398), (356, 21422),

Gene: Caviar_27 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Caviar_27:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Celestialunch_26 Start: 18672, Stop: 19694, Start Num: 46
Candidate Starts for Celestialunch_26:
(Start: 46 @18672 has 280 MA's), (74, 18747), (78, 18765), (88, 18801), (117, 18921), (133, 18981), (140, 19017), (149, 19047), (164, 19089), (216, 19239), (242, 19290), (260, 19335), (262, 19341), (284, 19401), (298, 19437), (345, 19551),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 46
Candidate Starts for Centaur_29:
(Start: 46 @19640 has 280 MA's), (74, 19715), (78, 19733), (88, 19769), (98, 19808), (140, 19985), (149, 20015), (163, 20054), (164, 20057), (345, 20513), (356, 20537),

Gene: CentreCat_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for CentreCat_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (117, 18740), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: Cerulean_27 Start: 18802, Stop: 20142, Start Num: 53
Candidate Starts for Cerulean_27:
(16, 18661), (19, 18691), (20, 18700), (22, 18733), (Start: 53 @18802 has 355 MA's), (74, 18880), (78, 18898), (87, 18928), (140, 19147), (164, 19219), (178, 19264), (182, 19276), (240, 19420), (303, 19567), (306, 19573), (346, 19675), (364, 19714), (400, 19804), (421, 19987), (422, 19999), (427, 20089), (428, 20095), (429, 20134),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 32
Candidate Starts for ChadMasterC_34:
(Start: 32 @30723 has 53 MA's), (93, 30909), (96, 30921), (105, 30948), (110, 30969), (125, 31029), (150, 31116), (152, 31119), (166, 31155), (179, 31188), (186, 31203), (188, 31215), (206, 31245), (211, 31251), (238, 31311), (277, 31401), (309, 31491), (316, 31515), (321, 31527), (350, 31593), (373, 31632), (379, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 53
Candidate Starts for Chadwick_24:
(Start: 53 @17936 has 355 MA's), (78, 18032), (87, 18065), (88, 18068), (98, 18107), (133, 18242), (138, 18272), (148, 18302), (149, 18308), (156, 18326), (164, 18350), (177, 18392), (345, 18806), (389, 18896),

Gene: ChampagnePapi_27 Start: 18801, Stop: 20141, Start Num: 53
Candidate Starts for ChampagnePapi_27:
(16, 18660), (19, 18690), (20, 18699), (22, 18732), (Start: 53 @18801 has 355 MA's), (74, 18879), (78, 18897), (87, 18927), (140, 19146), (164, 19218), (178, 19263), (182, 19275), (240, 19419), (303, 19566), (306, 19572), (346, 19674), (364, 19713), (400, 19803), (421, 19986), (422, 19998), (427, 20088), (428, 20094), (429, 20133),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 46
Candidate Starts for Changeling_29:
(Start: 46 @21010 has 280 MA's), (78, 21103), (88, 21139), (98, 21178), (149, 21385), (163, 21424), (164, 21427), (178, 21472), (255, 21658), (271, 21691), (284, 21730), (345, 21880),

Gene: Chaph_26 Start: 18499, Stop: 19839, Start Num: 53
Candidate Starts for Chaph_26:
(11, 18301), (16, 18358), (20, 18397), (22, 18430), (Start: 53 @18499 has 355 MA's), (58, 18511), (74, 18577), (78, 18595), (87, 18625), (117, 18748), (140, 18844), (164, 18916), (178, 18961), (182, 18973), (240, 19117), (306, 19270), (346, 19372), (364, 19411), (387, 19456), (397, 19477), (400, 19501), (406, 19543), (421, 19684), (422, 19696), (427, 19786), (428, 19792), (429, 19831),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 46
Candidate Starts for Chargerpower_27:
(Start: 46 @18273 has 280 MA's), (58, 18291), (78, 18366), (88, 18402), (98, 18441), (117, 18522), (133, 18582), (149, 18648), (164, 18690), (246, 18900), (260, 18936), (345, 19152), (349, 19161), (389, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 46
Candidate Starts for Charm_27:
(Start: 46 @18681 has 280 MA's), (58, 18699), (67, 18735), (78, 18774), (133, 18990), (140, 19026), (149, 19056), (164, 19098), (178, 19143), (216, 19248), (248, 19320), (260, 19344), (262, 19350), (338, 19548), (345, 19560), (349, 19569), (356, 19584), (389, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 32
Candidate Starts for Charming_34:
(Start: 32 @29358 has 53 MA's), (93, 29544), (96, 29556), (105, 29583), (110, 29604), (125, 29664), (152, 29754), (166, 29790), (179, 29823), (186, 29838), (188, 29850), (206, 29880), (211, 29886), (238, 29946), (277, 30036), (309, 30126), (316, 30150), (321, 30162), (350, 30228), (358, 30243), (373, 30267), (379, 30279), (390, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 46
Candidate Starts for Chartreuse_30:
(Start: 46 @18913 has 280 MA's), (67, 18967), (78, 19006), (107, 19111), (140, 19258), (149, 19288), (163, 19327), (164, 19330), (178, 19375), (200, 19435), (284, 19633), (345, 19783), (349, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 46
Candidate Starts for Chaser_17:
(Start: 46 @15760 has 280 MA's), (60, 15784), (66, 15811), (67, 15814), (71, 15829), (78, 15862), (107, 15958), (140, 16093), (144, 16102), (163, 16162), (164, 16165), (192, 16243), (197, 16258), (209, 16282), (233, 16324), (244, 16351), (254, 16375), (261, 16393), (281, 16444), (291, 16471), (309, 16519), (318, 16546), (361, 16630),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 46
Candidate Starts for Che12_29:
(Start: 46 @18081 has 280 MA's), (78, 18174), (88, 18210), (142, 18432), (149, 18456), (163, 18495), (164, 18498), (212, 18633), (255, 18726), (345, 18948), (356, 18972), (389, 19038),

Gene: Che9d_18 Start: 12821, Stop: 13750, Start Num: 42
Candidate Starts for Che9d_18:
(Start: 42 @12821 has 12 MA's), (68, 12881), (78, 12932), (106, 13031), (108, 13037), (113, 13052), (145, 13172), (178, 13256), (183, 13268), (204, 13313), (225, 13352), (228, 13358), (238, 13382),

(239, 13385), (240, 13388), (276, 13466), (282, 13487), (283, 13490), (296, 13526), (307, 13553), (308, 13556), (323, 13595), (329, 13613), (331, 13619), (350, 13655), (353, 13661), (367, 13685), (372, 13691), (375, 13697),

Gene: CheeseTouch_19 Start: 15504, Stop: 16424, Start Num: 56
Candidate Starts for CheeseTouch_19:
(Start: 54 @15501 has 16 MA's), (Start: 56 @15504 has 6 MA's), (60, 15516), (64, 15534), (75, 15579), (85, 15618), (96, 15657), (106, 15690), (108, 15696), (123, 15765), (139, 15822), (140, 15825), (145, 15837), (157, 15861), (159, 15867), (165, 15885), (186, 15939), (188, 15951), (191, 15957), (204, 15978), (228, 16026), (235, 16044), (238, 16050), (245, 16065), (246, 16068), (307, 16221), (308, 16224), (310, 16230), (323, 16263), (347, 16314), (375, 16365), (382, 16380), (395, 16416),

Gene: ChengKai98_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for ChengKai98_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: CherryCola_33 Start: 25854, Stop: 26798, Start Num: 36
Candidate Starts for CherryCola_33:
(Start: 36 @25854 has 36 MA's), (74, 25959), (91, 26028), (93, 26034), (100, 26058), (105, 26073), (238, 26433), (245, 26448), (252, 26466), (293, 26568), (309, 26610), (321, 26646), (367, 26742), (390, 26793),

Gene: CherryonLim_18 Start: 15217, Stop: 16173, Start Num: 49
Candidate Starts for CherryonLim_18:
(Start: 49 @15217 has 68 MA's), (66, 15262), (85, 15346), (100, 15400), (108, 15427), (121, 15478), (122, 15481), (123, 15487), (124, 15490), (143, 15559), (159, 15604), (167, 15628), (191, 15694), (238, 15790), (299, 15952), (307, 15973), (308, 15976), (318, 16006), (321, 16015), (347, 16072), (388, 16159), (392, 16165),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 26
Candidate Starts for Chickadee_31:
(Start: 26 @26548 has 29 MA's), (31, 26560), (Start: 46 @26587 has 280 MA's), (64, 26635), (65, 26638), (78, 26689), (100, 26767), (123, 26863), (140, 26935), (180, 27064), (192, 27097), (208, 27133), (283, 27319), (295, 27349), (308, 27376), (320, 27412), (332, 27445), (368, 27514),

Gene: ChickenTender_19 Start: 14814, Stop: 15800, Start Num: 49
Candidate Starts for ChickenTender_19:
(Start: 49 @14814 has 68 MA's), (60, 14835), (66, 14859), (71, 14880), (74, 14895), (91, 14967), (100, 14997), (121, 15075), (123, 15084), (124, 15087), (137, 15141), (141, 15153), (159, 15201), (165, 15219), (175, 15243), (191, 15291), (215, 15357), (238, 15417), (245, 15432), (246, 15435), (255, 15459), (282, 15531), (289, 15549), (307, 15600), (308, 15603), (318, 15633), (321, 15642), (325, 15657), (353, 15714), (381, 15762), (388, 15786), (392, 15792),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 46
Candidate Starts for ChipMunk_29:
(Start: 46 @19587 has 280 MA's), (74, 19662), (78, 19680), (88, 19716), (98, 19755), (149, 19962), (163, 20001), (164, 20004), (193, 20091), (271, 20271), (309, 20373), (338, 20448), (345, 20460),

Gene: Chipko_18 Start: 16574, Stop: 17521, Start Num: 47
Candidate Starts for Chipko_18:

(Start: 47 @16574 has 67 MA's), (104, 16769), (123, 16850), (126, 16862), (148, 16934), (154, 16940), (159, 16955), (180, 17015), (191, 17045), (194, 17051), (228, 17114), (238, 17138), (255, 17180), (274, 17222), (282, 17249), (296, 17291), (323, 17360), (324, 17363), (328, 17375), (353, 17426), (370, 17450), (392, 17501), (393, 17504),

Gene: Chiqui_25 Start: 18806, Stop: 20179, Start Num: 53
Candidate Starts for Chiqui_25:
(Start: 53 @18806 has 355 MA's), (74, 18884), (78, 18902), (87, 18932), (107, 19004), (164, 19223), (165, 19226), (178, 19268), (182, 19280), (306, 19577), (346, 19679), (387, 19769), (400, 19814), (405, 19856), (415, 19910), (416, 19919), (417, 19970), (422, 20036), (424, 20063), (426, 20102), (427, 20126), (428, 20132),

Gene: ChocoMunchkin_17 Start: 14430, Stop: 15401, Start Num: 49
Candidate Starts for ChocoMunchkin_17:
(Start: 49 @14430 has 68 MA's), (66, 14475), (71, 14496), (74, 14511), (78, 14532), (91, 14583), (100, 14613), (108, 14640), (121, 14691), (123, 14700), (124, 14703), (137, 14757), (141, 14769), (159, 14817), (168, 14844), (191, 14907), (215, 14958), (225, 14988), (238, 15018), (246, 15036), (282, 15132), (289, 15150), (307, 15201), (308, 15204), (318, 15234), (321, 15243), (325, 15258), (353, 15315), (381, 15363), (388, 15387), (392, 15393),

Gene: Chupacabra_26 Start: 18421, Stop: 19788, Start Num: 53
Candidate Starts for Chupacabra_26:
(8, 18172), (16, 18280), (Start: 53 @18421 has 355 MA's), (74, 18499), (78, 18517), (87, 18547), (88, 18550), (109, 18628), (164, 18838), (177, 18880), (208, 18958), (237, 19030), (240, 19039), (306, 19192), (324, 19246), (346, 19300), (362, 19336), (387, 19384), (400, 19429), (407, 19474), (417, 19579), (422, 19645), (423, 19654), (427, 19735), (428, 19741),

Gene: ChutneyChips_17 Start: 15753, Stop: 16640, Start Num: 46
Candidate Starts for ChutneyChips_17:
(Start: 46 @15753 has 280 MA's), (60, 15777), (66, 15804), (67, 15807), (71, 15822), (78, 15855), (107, 15951), (140, 16086), (144, 16095), (163, 16155), (164, 16158), (192, 16236), (197, 16251), (209, 16275), (229, 16308), (244, 16344), (254, 16368), (261, 16386), (281, 16437), (291, 16464), (309, 16512), (318, 16539), (361, 16623),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 34
Candidate Starts for CicholasNage_17:
(Start: 34 @15849 has 9 MA's), (Start: 46 @15867 has 280 MA's), (60, 15891), (67, 15921), (71, 15936), (78, 15969), (119, 16113), (138, 16194), (163, 16269), (164, 16272), (166, 16278), (182, 16323), (192, 16350), (208, 16383), (209, 16389), (229, 16422), (233, 16431), (244, 16458), (291, 16578), (309, 16626), (339, 16692), (342, 16698), (361, 16737),

Gene: Cici_26 Start: 18480, Stop: 19823, Start Num: 52
Candidate Starts for Cici_26:
(Start: 52 @18480 has 21 MA's), (74, 18558), (78, 18576), (87, 18606), (140, 18825), (148, 18849), (164, 18897), (178, 18942), (182, 18954), (216, 19044), (230, 19071), (306, 19251), (346, 19356), (364, 19395), (400, 19485), (409, 19536), (411, 19545), (421, 19668), (422, 19680), (427, 19770), (429, 19815),

Gene: Cindaradix_25 Start: 18214, Stop: 19554, Start Num: 52
Candidate Starts for Cindaradix_25:
(Start: 52 @18214 has 21 MA's), (74, 18292), (78, 18310), (87, 18340), (140, 18559), (148, 18583), (164, 18631), (178, 18676), (182, 18688), (264, 18889), (306, 18985), (346, 19087), (364, 19126), (400, 19216), (409, 19267), (411, 19276), (421, 19399), (422, 19411), (427, 19501), (429, 19546),

Gene: Cintron_26 Start: 18538, Stop: 19878, Start Num: 53
Candidate Starts for Cintron_26:
(16, 18397), (19, 18427), (20, 18436), (22, 18469), (Start: 53 @18538 has 355 MA's), (58, 18550), (74, 18616), (78, 18634), (87, 18664), (140, 18883), (164, 18955), (178, 19000), (182, 19012), (240, 19156), (306, 19309), (346, 19411), (364, 19450), (387, 19495), (397, 19516), (400, 19540), (406, 19582), (421, 19723), (422, 19735), (427, 19825), (428, 19831), (429, 19870),

Gene: Citius_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Citius_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 36
Candidate Starts for ClamChowder_32:
(Start: 36 @25634 has 36 MA's), (74, 25739), (91, 25808), (93, 25814), (100, 25838), (105, 25853), (238, 26213), (245, 26228), (252, 26246), (293, 26348), (309, 26390), (321, 26426), (367, 26522), (390, 26573),

Gene: Clammy_27 Start: 18534, Stop: 19907, Start Num: 53
Candidate Starts for Clammy_27:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Clarenza_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Clarenza_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 47
Candidate Starts for Claus_17:
(Start: 47 @16055 has 67 MA's), (60, 16079), (67, 16109), (88, 16190), (101, 16235), (162, 16460), (163, 16463), (164, 16466), (175, 16496), (196, 16553), (209, 16583), (244, 16652), (249, 16670), (281, 16745), (285, 16757), (309, 16820), (318, 16847), (342, 16910), (361, 16949), (366, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for Clautastrophe_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Cleo_17 Start: 15020, Stop: 15991, Start Num: 49
Candidate Starts for Cleo_17:
(21, 14945), (Start: 49 @15020 has 68 MA's), (66, 15065), (85, 15149), (100, 15203), (116, 15260), (121, 15284), (123, 15293), (124, 15296), (137, 15353), (159, 15413), (165, 15431), (191, 15503), (198, 15524), (282, 15719), (308, 15788), (309, 15791), (318, 15818), (321, 15827), (329, 15851),

(347, 15884), (355, 15902), (378, 15947), (388, 15977),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 46
Candidate Starts for CloudWang3_30:
(Start: 46 @18960 has 280 MA's), (58, 18978), (67, 19014), (78, 19053), (107, 19158), (149, 19335), (163, 19374), (164, 19377), (193, 19464), (200, 19485), (255, 19611), (284, 19683), (345, 19833), (349, 19842), (389, 19923),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 36
Candidate Starts for Clown_34:
(Start: 36 @27669 has 36 MA's), (Start: 41 @27678 has 21 MA's), (65, 27726), (74, 27765), (85, 27810), (93, 27840), (100, 27864), (105, 27879), (118, 27936), (152, 28053), (153, 28056), (238, 28236), (293, 28371), (307, 28407), (309, 28413), (321, 28449), (348, 28509), (350, 28515), (355, 28524), (367, 28545),

Gene: ClownCar_28 Start: 19082, Stop: 20455, Start Num: 53
Candidate Starts for ClownCar_28:
(Start: 53 @19082 has 355 MA's), (78, 19178), (85, 19202), (87, 19208), (142, 19433), (164, 19499), (182, 19556), (212, 19634), (270, 19766), (306, 19853), (313, 19874), (364, 19994), (387, 20045), (400, 20090), (405, 20132), (408, 20141), (422, 20312), (426, 20378), (427, 20402), (428, 20408),

Gene: CocoaPuff_16 Start: 14462, Stop: 15418, Start Num: 49
Candidate Starts for CocoaPuff_16:
(Start: 49 @14462 has 68 MA's), (66, 14507), (78, 14564), (85, 14591), (100, 14645), (108, 14672), (121, 14723), (122, 14726), (123, 14732), (124, 14735), (137, 14789), (143, 14804), (159, 14849), (167, 14873), (174, 14888), (191, 14939), (238, 15035), (308, 15221), (318, 15251), (321, 15260), (329, 15284), (347, 15317), (388, 15404), (392, 15410),

Gene: Cocoaberry_26 Start: 18494, Stop: 19834, Start Num: 53
Candidate Starts for Cocoaberry_26:
(11, 18296), (16, 18353), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (397, 19472), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: CogOmlette_25 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for CogOmlette_25:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (107, 18785), (140, 18932), (149, 18962), (164, 19004), (200, 19109), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (266, 19265), (309, 19379), (327, 19430), (338, 19454), (345, 19466), (389, 19556),

Gene: Colbster_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for Colbster_28:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Colin_30 Start: 20885, Stop: 21898, Start Num: 46
Candidate Starts for Colin_30:
(Start: 46 @20885 has 280 MA's), (58, 20903), (74, 20960), (78, 20978), (88, 21014), (98, 21053), (149, 21260), (163, 21299), (164, 21302), (178, 21347), (200, 21407), (212, 21440), (253, 21530), (255, 21533), (271, 21566), (345, 21755), (349, 21764),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 36
Candidate Starts for Colleen_18:
(Start: 36 @16550 has 36 MA's), (Start: 38 @16553 has 1 MA's), (71, 16637), (107, 16775), (196, 17063),

Gene: Colossa_19 Start: 15551, Stop: 16441, Start Num: 40
Candidate Starts for Colossa_19:
(Start: 40 @15551 has 8 MA's), (55, 15569), (67, 15611), (71, 15626), (80, 15668), (107, 15761), (135, 15881), (140, 15896), (147, 15926), (162, 15962), (167, 15977), (208, 16085), (209, 16091), (218, 16115), (285, 16265), (321, 16361), (352, 16421),

Gene: Commander_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Commander_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Connomayer_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Connomayer_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 46
Candidate Starts for Conquerage_28:
(Start: 46 @20557 has 280 MA's), (58, 20575), (74, 20632), (78, 20650), (88, 20686), (133, 20866), (140, 20902), (149, 20932), (164, 20974), (222, 21133), (284, 21277), (309, 21340), (338, 21415), (345, 21427), (356, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 53
Candidate Starts for Conspiracy_23:
(Start: 53 @18474 has 355 MA's), (78, 18570), (87, 18603), (88, 18606), (98, 18645), (112, 18693), (149, 18846), (156, 18864), (164, 18888), (177, 18930), (303, 19242), (345, 19344), (358, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 53
Candidate Starts for Coog_23:
(Start: 53 @18617 has 355 MA's), (78, 18713), (87, 18746), (88, 18749), (98, 18788), (133, 18923), (148, 18983), (149, 18989), (156, 19007), (164, 19031), (177, 19073), (303, 19385), (345, 19487), (358, 19514), (389, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for Cookiedough_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: Coriander_18 Start: 16561, Stop: 17508, Start Num: 47
Candidate Starts for Coriander_18:
(Start: 47 @16561 has 67 MA's), (104, 16756), (123, 16837), (126, 16849), (148, 16921), (154, 16927), (159, 16942), (191, 17032), (194, 17038), (228, 17101), (238, 17125), (239, 17128), (240, 17131), (255, 17167), (282, 17236), (296, 17278), (307, 17305), (323, 17347), (324, 17350), (328, 17362), (370, 17437), (393, 17491),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for CosmicSans_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: CoveyB_32 Start: 25434, Stop: 26378, Start Num: 36
Candidate Starts for CoveyB_32:
(Start: 36 @25434 has 36 MA's), (74, 25539), (91, 25608), (93, 25614), (100, 25638), (105, 25653), (238, 26013), (245, 26028), (252, 26046), (293, 26148), (309, 26190), (321, 26226), (367, 26322), (390, 26373),

Gene: Cozz_17 Start: 14765, Stop: 15736, Start Num: 49
Candidate Starts for Cozz_17:
(Start: 49 @14765 has 68 MA's), (66, 14810), (71, 14831), (85, 14894), (91, 14918), (100, 14948), (111, 14987), (121, 15026), (123, 15035), (124, 15038), (141, 15104), (159, 15152), (175, 15194), (191, 15242), (215, 15293), (238, 15353), (245, 15368), (246, 15371), (251, 15389), (255, 15395), (274, 15440), (282, 15467), (289, 15485), (308, 15539), (318, 15569), (321, 15578), (325, 15593), (353, 15650), (381, 15698), (388, 15722), (392, 15728),

Gene: Crater_17 Start: 15047, Stop: 15973, Start Num: 51
Candidate Starts for Crater_17:
(Start: 51 @15047 has 2 MA's), (Start: 56 @15053 has 6 MA's), (64, 15083), (78, 15143), (85, 15167), (90, 15182), (94, 15197), (96, 15206), (100, 15218), (106, 15239), (111, 15257), (115, 15269), (123, 15314), (137, 15368), (139, 15371), (140, 15374), (145, 15386), (159, 15416), (165, 15434), (186, 15488), (188, 15500), (191, 15506), (204, 15527), (228, 15575), (235, 15593), (238, 15599), (245, 15614), (246, 15617), (307, 15770), (308, 15773), (310, 15779), (323, 15812), (329, 15830), (347, 15863), (375, 15914), (382, 15929), (395, 15965),

Gene: Croquant_29 Start: 19010, Stop: 20380, Start Num: 53
Candidate Starts for Croquant_29:
(Start: 53 @19010 has 355 MA's), (78, 19106), (85, 19130), (87, 19136), (142, 19361), (164, 19427), (182, 19484), (212, 19562), (270, 19694), (306, 19781), (364, 19922), (400, 20018), (405, 20060), (416, 20120), (419, 20192), (422, 20237), (426, 20303), (427, 20327), (428, 20333),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Crossroads_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for Crucio_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 53
Candidate Starts for Cuco_23:
(Start: 53 @18647 has 355 MA's), (78, 18743), (87, 18776), (88, 18779), (98, 18818), (133, 18953), (148, 19013), (149, 19019), (156, 19037), (164, 19061), (177, 19103), (303, 19415), (345, 19517), (389, 19607),

Gene: Cullens_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for Cullens_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for D29_27:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for D32_30:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for DBQu4n_30:
(Start: 46 @19042 has 280 MA's), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 47
Candidate Starts for DHan_17:
(Start: 47 @15991 has 67 MA's), (60, 16015), (67, 16045), (88, 16126), (101, 16171), (162, 16396), (163, 16399), (164, 16402), (175, 16432), (196, 16489), (209, 16519), (244, 16588), (249, 16606), (281, 16681), (285, 16693), (309, 16756), (318, 16783), (342, 16846), (361, 16885), (366, 16897),

Gene: DS6A_20 Start: 16001, Stop: 16972, Start Num: 29
Candidate Starts for DS6A_20:
(Start: 29 @16001 has 1 MA's), (58, 16064), (85, 16178), (86, 16181), (103, 16241), (108, 16259), (116, 16286), (154, 16415), (155, 16418), (158, 16427), (169, 16460), (203, 16538), (204, 16541), (238, 16613), (298, 16760), (299, 16763), (300, 16769), (307, 16784), (312, 16799), (348, 16880), (370, 16919), (377, 16931),

Gene: DaHudson_28 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for DaHudson_28:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 46
Candidate Starts for DaVinci_30:
(Start: 46 @18967 has 280 MA's), (67, 19021), (78, 19060), (107, 19165), (140, 19312), (149, 19342), (163, 19381), (164, 19384), (178, 19429), (200, 19489), (284, 19687), (345, 19837), (349, 19846),

Gene: Daishi_27 Start: 17937, Stop: 19307, Start Num: 53
Candidate Starts for Daishi_27:
(Start: 53 @17937 has 355 MA's), (78, 18033), (85, 18057), (87, 18063), (142, 18288), (164, 18354), (182, 18411), (212, 18489), (270, 18621), (306, 18708), (364, 18849), (400, 18945), (405, 18987), (416, 19047), (419, 19119), (422, 19164), (426, 19230), (427, 19254), (428, 19260),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 46
Candidate Starts for Dalmatian_27:
(Start: 46 @19252 has 280 MA's), (74, 19327), (78, 19345), (88, 19381), (98, 19420), (149, 19627), (163, 19666), (164, 19669), (271, 19936), (309, 20038), (338, 20113), (345, 20125), (389, 20215), (391, 20218),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 47
Candidate Starts for DanBing_16:
(Start: 47 @15895 has 67 MA's), (60, 15919), (67, 15949), (88, 16030), (101, 16075), (162, 16300), (163, 16303), (164, 16306), (175, 16336), (196, 16393), (209, 16423), (244, 16492), (249, 16510), (281, 16585), (285, 16597), (309, 16660), (318, 16687), (342, 16750), (361, 16789), (366, 16801),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 53
Candidate Starts for Danforth_22:
(Start: 53 @17615 has 355 MA's), (85, 17738), (87, 17744), (107, 17816), (133, 17921), (136, 17948), (164, 18038), (240, 18239), (253, 18269), (255, 18272), (338, 18482), (358, 18521), (384, 18569), (389, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 36
Candidate Starts for Danyall_32:
(Start: 36 @25434 has 36 MA's), (74, 25539), (91, 25608), (93, 25614), (100, 25638), (105, 25653), (238, 26013), (245, 26028), (252, 26046), (293, 26148), (309, 26190), (321, 26226), (367, 26322), (390, 26373),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 46
Candidate Starts for Darrell_29:
(Start: 46 @20724 has 280 MA's), (58, 20742), (64, 20769), (74, 20799), (78, 20817), (133, 21033), (140, 21069), (149, 21099), (164, 21141), (216, 21291), (222, 21300), (260, 21387), (284, 21453), (338, 21591), (345, 21603), (349, 21612), (356, 21627),

Gene: DarthPhader_28 Start: 20722, Stop: 21738, Start Num: 46
Candidate Starts for DarthPhader_28:
(Start: 46 @20722 has 280 MA's), (74, 20797), (78, 20815), (88, 20851), (98, 20890), (149, 21097), (163, 21136), (164, 21139), (212, 21280), (246, 21352), (345, 21595),

Gene: Datway_26 Start: 18495, Stop: 19838, Start Num: 52
Candidate Starts for Datway_26:
(Start: 52 @18495 has 21 MA's), (74, 18573), (78, 18591), (87, 18621), (140, 18840), (148, 18864), (164, 18912), (178, 18957), (182, 18969), (216, 19059), (230, 19086), (306, 19266), (346, 19371), (364, 19410), (400, 19500), (409, 19551), (411, 19560), (421, 19683), (422, 19695), (427, 19785), (429, 19830),

Gene: Deano_26 Start: 18498, Stop: 19838, Start Num: 53
Candidate Starts for Deano_26:
(11, 18300), (16, 18357), (20, 18396), (22, 18429), (Start: 53 @18498 has 355 MA's), (58, 18510), (74, 18576), (78, 18594), (87, 18624), (140, 18843), (164, 18915), (178, 18960), (182, 18972), (240, 19116), (306, 19269), (346, 19371), (364, 19410), (387, 19455), (397, 19476), (400, 19500), (406, 19542), (421, 19683), (422, 19695), (427, 19785), (428, 19791), (429, 19830),

Gene: DeerParkTS_28 Start: 19239, Stop: 20249, Start Num: 46
Candidate Starts for DeerParkTS_28:
(Start: 46 @19239 has 280 MA's), (74, 19314), (78, 19332), (88, 19368), (98, 19407), (102, 19422), (149, 19614), (163, 19653), (164, 19656), (309, 20019), (338, 20094), (345, 20106), (389, 20196),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for DekHockey33_29:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 46
Candidate Starts for Deloris_28:
(Start: 46 @19613 has 280 MA's), (78, 19706), (88, 19742), (98, 19781), (149, 19988), (163, 20027), (164, 20030), (255, 20258), (271, 20291), (309, 20393), (316, 20414), (338, 20468), (345, 20480), (389, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 26
Candidate Starts for Delrey21_33:
(Start: 26 @29967 has 29 MA's), (64, 30054), (74, 30090), (84, 30126), (123, 30282), (124, 30285), (140, 30354), (160, 30417), (163, 30426), (192, 30516), (205, 30549), (208, 30552), (273, 30705), (286, 30747), (295, 30768), (308, 30795), (314, 30816), (318, 30825), (320, 30831), (332, 30864), (333, 30867), (355, 30912), (359, 30921), (368, 30933),

Gene: DelvinSonDorr_29 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for DelvinSonDorr_29:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: Demsculpinboyz_18 Start: 12806, Stop: 13735, Start Num: 42
Candidate Starts for Demsculpinboyz_18:
(Start: 42 @12806 has 12 MA's), (68, 12866), (78, 12917), (106, 13016), (108, 13022), (113, 13037), (145, 13157), (155, 13175), (178, 13241), (183, 13253), (204, 13298), (225, 13337), (228, 13343), (238, 13367), (239, 13370), (240, 13373), (276, 13451), (282, 13472), (283, 13475), (296, 13511), (307, 13538), (308, 13541), (323, 13580), (329, 13598), (331, 13604), (350, 13640), (353, 13646), (367, 13670), (372, 13676), (375, 13682),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 32
Candidate Starts for Derg_29:
(Start: 32 @28515 has 53 MA's), (85, 28671), (93, 28701), (96, 28713), (97, 28716), (100, 28725), (105, 28740), (108, 28752), (152, 28911), (166, 28947), (188, 29007), (211, 29043), (238, 29103), (277, 29193), (309, 29283), (316, 29307), (321, 29319), (350, 29385), (358, 29400), (373, 29424), (379, 29436),

Gene: Dexdert_32 Start: 26991, Stop: 27968, Start Num: 26
Candidate Starts for Dexdert_32:
(Start: 26 @26991 has 29 MA's), (31, 27003), (Start: 46 @27030 has 280 MA's), (64, 27078), (65, 27081), (78, 27132), (100, 27210), (123, 27306), (131, 27339), (140, 27378), (180, 27507), (192, 27540), (208, 27576), (283, 27762), (295, 27792), (308, 27819), (320, 27855), (332, 27888), (368, 27957),

Gene: Dhanush_26 Start: 18493, Stop: 19833, Start Num: 53
Candidate Starts for Dhanush_26:
(11, 18295), (16, 18352), (20, 18391), (22, 18424), (Start: 53 @18493 has 355 MA's), (58, 18505), (74, 18571), (78, 18589), (87, 18619), (117, 18742), (140, 18838), (164, 18910), (178, 18955), (182, 18967), (240, 19111), (306, 19264), (346, 19366), (364, 19405), (387, 19450), (397, 19471), (400, 19495), (406, 19537), (421, 19678), (422, 19690), (427, 19780), (428, 19786), (429, 19825),

Gene: Dieselweasel_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for Dieselweasel_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 46
Candidate Starts for Dignity_29:
(Start: 46 @19628 has 280 MA's), (74, 19703), (78, 19721), (88, 19757), (98, 19796), (149, 20003), (163, 20042), (164, 20045), (193, 20132), (271, 20312), (309, 20414), (338, 20489), (345, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for Diminimus_28:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: Dina_16 Start: 15119, Stop: 16285, Start Num: 46
Candidate Starts for Dina_16:
(Start: 46 @15119 has 280 MA's), (85, 15248), (162, 15530), (172, 15560), (180, 15587), (196, 15629), (213, 15674), (263, 15812), (280, 15860), (287, 15878), (290, 15887), (330, 16007), (351, 16055), (380, 16112), (402, 16208), (404, 16217), (408, 16232), (410, 16244), (412, 16250), (414, 16274),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 53
Candidate Starts for Dinger_22:
(Start: 53 @15450 has 355 MA's), (64, 15489), (87, 15576), (106, 15645), (124, 15723), (164, 15861), (309, 16086), (315, 16104), (345, 16173), (401, 16311),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 46
Candidate Starts for DirkDirk_17:
(24, 15804), (25, 15807), (Start: 34 @15840 has 9 MA's), (Start: 46 @15858 has 280 MA's), (60, 15882), (67, 15912), (71, 15927), (78, 15960), (119, 16104), (138, 16185), (163, 16260), (164, 16263), (166, 16269), (182, 16314), (192, 16341), (208, 16374), (209, 16380), (229, 16413), (233, 16422), (244, 16449), (291, 16569), (309, 16617), (318, 16644), (339, 16683), (342, 16689), (361, 16728),

Gene: DirtyBoi_19 Start: 16014, Stop: 16961, Start Num: 47
Candidate Starts for DirtyBoi_19:
(Start: 47 @16014 has 67 MA's), (104, 16209), (123, 16290), (126, 16302), (148, 16374), (154, 16380), (159, 16395), (180, 16455), (191, 16485), (194, 16491), (228, 16554), (238, 16578), (239, 16581), (255, 16620), (282, 16689), (296, 16731), (307, 16758), (323, 16800), (324, 16803), (328, 16815), (353, 16866), (370, 16890),

Gene: DirtyDunning_26 Start: 18486, Stop: 19826, Start Num: 53
Candidate Starts for DirtyDunning_26:
(11, 18288), (16, 18345), (20, 18384), (22, 18417), (Start: 53 @18486 has 355 MA's), (58, 18498), (74, 18564), (78, 18582), (87, 18612), (140, 18831), (164, 18903), (178, 18948), (182, 18960), (240, 19104), (306, 19257), (346, 19359), (364, 19398), (387, 19443), (397, 19464), (400, 19488), (406, 19530), (421, 19671), (422, 19683), (427, 19773), (428, 19779), (429, 19818),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 53
Candidate Starts for Discoknowium_23:
(Start: 53 @18763 has 355 MA's), (78, 18859), (87, 18892), (88, 18895), (98, 18934), (112, 18982), (149, 19135), (156, 19153), (164, 19177), (177, 19219), (303, 19531), (345, 19633), (358, 19660),

(389, 19723),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 53
Candidate Starts for Dixon_23:
(Start: 53 @17634 has 355 MA's), (85, 17757), (87, 17763), (107, 17835), (133, 17940), (136, 17967), (164, 18057), (240, 18258), (253, 18288), (255, 18291), (338, 18501), (358, 18540), (384, 18588), (389, 18603),

Gene: Dmitri_18 Start: 16558, Stop: 17505, Start Num: 47
Candidate Starts for Dmitri_18:
(Start: 47 @16558 has 67 MA's), (104, 16753), (123, 16834), (126, 16846), (148, 16918), (154, 16924), (159, 16939), (180, 16999), (191, 17029), (194, 17035), (228, 17098), (238, 17122), (239, 17125), (255, 17164), (282, 17233), (296, 17275), (323, 17344), (324, 17347), (328, 17359), (353, 17410), (370, 17434), (392, 17485), (393, 17488),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 26
Candidate Starts for DoctorFroggo_33:
(Start: 26 @29967 has 29 MA's), (64, 30054), (74, 30090), (84, 30126), (123, 30282), (124, 30285), (140, 30354), (160, 30417), (163, 30426), (192, 30516), (205, 30549), (208, 30552), (273, 30705), (286, 30747), (295, 30768), (308, 30795), (314, 30816), (318, 30825), (320, 30831), (332, 30864), (333, 30867), (355, 30912), (359, 30921), (368, 30933),

Gene: Doggs_17 Start: 16261, Stop: 17208, Start Num: 47
Candidate Starts for Doggs_17:
(Start: 47 @16261 has 67 MA's), (104, 16456), (123, 16537), (126, 16549), (148, 16621), (154, 16627), (159, 16642), (180, 16702), (191, 16732), (194, 16738), (228, 16801), (238, 16825), (239, 16828), (255, 16867), (282, 16936), (296, 16978), (307, 17005), (318, 17038), (323, 17047), (324, 17050), (328, 17062), (353, 17113), (370, 17137), (392, 17188), (393, 17191),

Gene: DontArgue_25 Start: 16784, Stop: 18148, Start Num: 53
Candidate Starts for DontArgue_25:
(13, 16619), (Start: 53 @16784 has 355 MA's), (74, 16862), (78, 16880), (87, 16910), (88, 16913), (164, 17201), (177, 17243), (240, 17402), (306, 17555), (346, 17660), (364, 17699), (386, 17738), (387, 17744), (400, 17789), (409, 17840), (417, 17939), (422, 18005), (423, 18014), (427, 18095), (428, 18101),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 46
Candidate Starts for Dorothea_30:
(Start: 46 @18967 has 280 MA's), (67, 19021), (78, 19060), (107, 19165), (140, 19312), (149, 19342), (163, 19381), (164, 19384), (178, 19429), (200, 19489), (284, 19687), (345, 19837), (349, 19846),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 46
Candidate Starts for Douge_17:
(Start: 46 @15701 has 280 MA's), (60, 15725), (66, 15752), (67, 15755), (71, 15770), (78, 15803), (107, 15899), (140, 16034), (144, 16043), (163, 16103), (164, 16106), (192, 16184), (197, 16199), (209, 16223), (244, 16292), (254, 16316), (261, 16334), (281, 16385), (291, 16412), (309, 16460), (318, 16487), (361, 16571),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 46
Candidate Starts for Douzhi_17:
(Start: 46 @15692 has 280 MA's), (60, 15716), (66, 15743), (67, 15746), (71, 15761), (78, 15794), (107, 15890), (140, 16025), (144, 16034), (163, 16094), (164, 16097), (192, 16175), (197, 16190), (209, 16214), (229, 16247), (244, 16283), (254, 16307), (261, 16325), (265, 16334), (281, 16376),

(291, 16403), (309, 16451), (318, 16478), (361, 16562),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for DrSeegs_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 46
Candidate Starts for Drake55_29:
(Start: 46 @19657 has 280 MA's), (74, 19732), (78, 19750), (88, 19786), (98, 19825), (140, 20002), (149, 20032), (163, 20071), (164, 20074), (345, 20530), (356, 20554),

Gene: Drake94_25 Start: 16517, Stop: 17884, Start Num: 53
Candidate Starts for Drake94_25:
(Start: 53 @16517 has 355 MA's), (74, 16595), (78, 16613), (87, 16643), (88, 16646), (117, 16766), (164, 16934), (177, 16976), (240, 17135), (303, 17282), (306, 17288), (324, 17342), (346, 17396), (362, 17432), (386, 17474), (387, 17480), (400, 17525), (407, 17570), (417, 17675), (422, 17741), (423, 17750), (424, 17768), (427, 17831), (428, 17837),

Gene: Dre3_17 Start: 14967, Stop: 15938, Start Num: 49
Candidate Starts for Dre3_17:
(21, 14892), (Start: 49 @14967 has 68 MA's), (66, 15012), (85, 15096), (100, 15150), (116, 15207), (121, 15231), (123, 15240), (124, 15243), (137, 15300), (159, 15360), (165, 15378), (191, 15450), (198, 15471), (238, 15552), (282, 15666), (308, 15735), (309, 15738), (318, 15765), (321, 15774), (329, 15798), (347, 15831), (355, 15849), (378, 15894), (388, 15924),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 46
Candidate Starts for DreamTeam1_27:
(Start: 46 @18680 has 280 MA's), (58, 18698), (67, 18734), (78, 18773), (133, 18989), (140, 19025), (149, 19055), (164, 19097), (178, 19142), (216, 19247), (248, 19319), (260, 19343), (262, 19349), (338, 19547), (345, 19559), (349, 19568), (356, 19583), (389, 19649),

Gene: DropBear_26 Start: 18597, Stop: 19970, Start Num: 53
Candidate Starts for DropBear_26:
(Start: 53 @18597 has 355 MA's), (74, 18675), (78, 18693), (87, 18723), (88, 18726), (107, 18795), (164, 19014), (165, 19017), (178, 19059), (182, 19071), (306, 19368), (334, 19449), (346, 19470), (387, 19560), (400, 19605), (405, 19647), (416, 19710), (417, 19761), (418, 19764), (422, 19827), (424, 19854), (426, 19893), (427, 19917), (428, 19923),

Gene: Druantia_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Druantia_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (117, 18740), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 53
Candidate Starts for Dublin_22:
(Start: 53 @18616 has 355 MA's), (78, 18712), (87, 18745), (88, 18748), (98, 18787), (133, 18922), (148, 18982), (149, 18988), (156, 19006), (164, 19030), (177, 19072), (303, 19384), (345, 19486), (358, 19513), (389, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 46
Candidate Starts for DudeLittle_27:
(Start: 46 @19254 has 280 MA's), (74, 19329), (78, 19347), (88, 19383), (98, 19422), (149, 19629), (163, 19668), (164, 19671), (271, 19938), (309, 20040), (338, 20115), (345, 20127), (389, 20217), (391, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for Dulcita_28:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for DuncansLeg_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (109, 16700), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 46
Candidate Starts for Duplo_30:
(Start: 46 @19080 has 280 MA's), (74, 19155), (78, 19173), (121, 19344), (149, 19455), (163, 19494), (164, 19497), (178, 19542), (309, 19860), (338, 19935), (345, 19947), (356, 19971), (389, 20037),

Gene: DustyMartin_30 Start: 18497, Stop: 19858, Start Num: 53
Candidate Starts for DustyMartin_30:
(20, 18395), (Start: 53 @18497 has 355 MA's), (74, 18575), (78, 18593), (87, 18623), (88, 18626), (109, 18704), (138, 18836), (164, 18914), (177, 18956), (208, 19034), (303, 19262), (306, 19268), (321, 19313), (324, 19322), (331, 19343), (346, 19370), (387, 19454), (400, 19499), (403, 19526), (417, 19649), (422, 19715), (427, 19805), (428, 19811),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 46
Candidate Starts for DyoEdafos_18:
(Start: 46 @15909 has 280 MA's), (60, 15933), (66, 15960), (67, 15963), (71, 15978), (78, 16011), (107, 16107), (140, 16242), (144, 16251), (163, 16311), (164, 16314), (192, 16392), (197, 16407), (209, 16431), (244, 16500), (254, 16524), (291, 16620), (309, 16668), (318, 16695), (339, 16734), (361, 16779),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 26
Candidate Starts for EMoore_30:
(Start: 26 @28525 has 29 MA's), (84, 28684), (100, 28744), (109, 28774), (121, 28831), (123, 28840), (140, 28912), (151, 28951), (159, 28972), (166, 28990), (192, 29074), (199, 29095), (208, 29110), (247, 29215), (249, 29218), (280, 29290), (285, 29302), (293, 29326), (295, 29332), (302, 29347), (309, 29365), (320, 29398), (332, 29431), (333, 29434), (368, 29500),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 46
Candidate Starts for EZMoney23_31:
(Start: 46 @21135 has 280 MA's), (78, 21228), (88, 21264), (98, 21303), (149, 21510), (163, 21549), (164, 21552), (178, 21597), (200, 21657), (255, 21783), (271, 21816), (345, 22005), (356, 22029),

Gene: Eagle_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Eagle_25:

(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 46
Candidate Starts for EagleEye_29:
(Start: 46 @19925 has 280 MA's), (58, 19943), (78, 20018), (98, 20093), (116, 20156), (149, 20300), (163, 20339), (164, 20342), (193, 20429), (296, 20681), (303, 20696), (316, 20732), (345, 20798), (353, 20816), (356, 20822),

Gene: Eaglepride_27 Start: 18452, Stop: 19810, Start Num: 53
Candidate Starts for Eaglepride_27:
(20, 18350), (Start: 53 @18452 has 355 MA's), (74, 18530), (78, 18548), (87, 18578), (88, 18581), (109, 18659), (164, 18869), (177, 18911), (240, 19070), (306, 19223), (324, 19277), (331, 19298), (346, 19325), (364, 19364), (387, 19415), (400, 19460), (401, 19463), (417, 19601), (422, 19667), (424, 19694), (426, 19733), (427, 19757), (428, 19763),

Gene: Eapen_26 Start: 18489, Stop: 19829, Start Num: 53
Candidate Starts for Eapen_26:
(11, 18291), (16, 18348), (20, 18387), (22, 18420), (Start: 53 @18489 has 355 MA's), (58, 18501), (74, 18567), (78, 18585), (87, 18615), (117, 18738), (140, 18834), (164, 18906), (178, 18951), (182, 18963), (240, 19107), (306, 19260), (346, 19362), (364, 19401), (387, 19446), (397, 19467), (400, 19491), (406, 19533), (421, 19674), (422, 19686), (427, 19776), (428, 19782), (429, 19821),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 46
Candidate Starts for Ebony_27:
(Start: 46 @19779 has 280 MA's), (67, 19836), (85, 19911), (117, 20040), (133, 20100), (148, 20160), (149, 20166), (164, 20208), (178, 20253), (180, 20259), (212, 20343), (230, 20376), (345, 20658), (349, 20667), (356, 20682), (389, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 46
Candidate Starts for Echild_27:
(Start: 46 @19279 has 280 MA's), (74, 19354), (78, 19372), (88, 19408), (98, 19447), (149, 19654), (163, 19693), (164, 19696), (309, 20065), (338, 20140), (345, 20152),

Gene: Edison31_26 Start: 18461, Stop: 19825, Start Num: 53
Candidate Starts for Edison31_26:
(20, 18359), (Start: 53 @18461 has 355 MA's), (74, 18539), (78, 18557), (87, 18587), (88, 18590), (109, 18668), (138, 18800), (164, 18878), (177, 18920), (208, 18998), (306, 19232), (321, 19277), (324, 19286), (346, 19337), (387, 19421), (400, 19466), (406, 19508), (409, 19517), (417, 19616), (420, 19646), (422, 19682), (427, 19772), (428, 19778),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 26
Candidate Starts for EdmundFerry_30:
(Start: 26 @26577 has 29 MA's), (31, 26589), (Start: 46 @26616 has 280 MA's), (64, 26664), (65, 26667), (78, 26718), (100, 26796), (123, 26892), (140, 26964), (180, 27093), (192, 27126), (208, 27162), (283, 27348), (295, 27378), (308, 27405), (320, 27441), (332, 27474), (368, 27543),

Gene: EdogawaKiddo_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for EdogawaKiddo_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385),

(345, 21397), (356, 21421),

Gene: Egi03_30 Start: 25124, Stop: 26056, Start Num: 36
Candidate Starts for Egi03_30:
(Start: 36 @25124 has 36 MA's), (74, 25220), (91, 25289), (93, 25295), (100, 25319), (105, 25334), (166, 25544), (204, 25622), (228, 25667), (238, 25691), (257, 25730), (293, 25826), (309, 25868), (321, 25904), (331, 25934), (355, 25979), (367, 26000), (390, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 46
Candidate Starts for Eidsmoe_28:
(Start: 46 @20557 has 280 MA's), (58, 20575), (74, 20632), (78, 20650), (88, 20686), (133, 20866), (140, 20902), (149, 20932), (164, 20974), (222, 21133), (284, 21277), (309, 21340), (338, 21415), (345, 21427), (356, 21451),

Gene: ElJefes_16 Start: 14940, Stop: 15896, Start Num: 49
Candidate Starts for ElJefes_16:
(Start: 49 @14940 has 68 MA's), (66, 14985), (85, 15069), (100, 15123), (108, 15150), (121, 15201), (122, 15204), (123, 15210), (124, 15213), (137, 15267), (143, 15282), (158, 15324), (159, 15327), (167, 15351), (191, 15417), (238, 15513), (307, 15696), (308, 15699), (318, 15729), (321, 15738), (347, 15795), (375, 15846), (388, 15882), (392, 15888),

Gene: ElTiger69_23 Start: 17966, Stop: 18979, Start Num: 53
Candidate Starts for ElTiger69_23:
(Start: 53 @17966 has 355 MA's), (87, 18095), (88, 18098), (98, 18137), (133, 18272), (138, 18302), (148, 18332), (149, 18338), (156, 18356), (164, 18380), (177, 18422), (246, 18593), (345, 18836), (389, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 46
Candidate Starts for Elephantoon_28:
(Start: 46 @20168 has 280 MA's), (58, 20186), (64, 20213), (74, 20243), (78, 20261), (88, 20297), (133, 20477), (140, 20513), (149, 20543), (164, 20585), (216, 20735), (222, 20744), (260, 20831), (284, 20897), (338, 21035), (345, 21047), (349, 21056), (356, 21071),

Gene: Elinal_18 Start: 14465, Stop: 15421, Start Num: 49
Candidate Starts for Elinal_18:
(Start: 49 @14465 has 68 MA's), (66, 14510), (78, 14567), (85, 14594), (100, 14648), (108, 14675), (121, 14726), (122, 14729), (123, 14735), (124, 14738), (137, 14792), (143, 14807), (158, 14849), (159, 14852), (167, 14876), (174, 14891), (191, 14942), (238, 15038), (308, 15224), (318, 15254), (321, 15263), (329, 15287), (347, 15320), (388, 15407), (392, 15413),

Gene: Eliott_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Eliott_17:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: Elle_27 Start: 18087, Stop: 19064, Start Num: 50
Candidate Starts for Elle_27:
(Start: 50 @18087 has 24 MA's), (64, 18129), (81, 18186), (85, 18201), (87, 18207), (88, 18210), (112, 18297), (146, 18444), (201, 18594), (268, 18741), (345, 18921), (376, 18981), (385, 18996), (389, 19011),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 47
Candidate Starts for Ellson_18:
(Start: 47 @16498 has 67 MA's), (60, 16522), (71, 16567), (74, 16582), (78, 16603), (107, 16699), (109, 16708), (140, 16834), (144, 16843), (163, 16903), (164, 16906), (166, 16912), (192, 16984), (208, 17017), (211, 17029), (244, 17092), (276, 17167), (292, 17218), (309, 17260), (361, 17371), (363, 17374),

Gene: Emalyn_16 Start: 14065, Stop: 15036, Start Num: 49
Candidate Starts for Emalyn_16:
(Start: 49 @14065 has 68 MA's), (66, 14110), (71, 14131), (78, 14167), (100, 14248), (121, 14326), (123, 14335), (124, 14338), (137, 14392), (141, 14404), (159, 14452), (175, 14494), (191, 14542), (215, 14593), (225, 14623), (238, 14653), (245, 14668), (246, 14671), (282, 14767), (289, 14785), (308, 14839), (309, 14842), (318, 14869), (321, 14878), (325, 14893), (353, 14950), (381, 14998), (388, 15022), (392, 15028),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 46
Candidate Starts for EmyBug_28:
(Start: 46 @20557 has 280 MA's), (58, 20575), (74, 20632), (78, 20650), (88, 20686), (133, 20866), (140, 20902), (149, 20932), (164, 20974), (222, 21133), (284, 21277), (309, 21340), (338, 21415), (345, 21427), (356, 21451),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 46
Candidate Starts for Enceladus_17:
(24, 15805), (25, 15808), (Start: 34 @15841 has 9 MA's), (Start: 46 @15859 has 280 MA's), (60, 15883), (67, 15913), (71, 15928), (78, 15961), (119, 16105), (138, 16186), (163, 16261), (164, 16264), (166, 16270), (182, 16315), (192, 16342), (208, 16375), (209, 16381), (229, 16414), (233, 16423), (244, 16450), (291, 16570), (309, 16618), (318, 16645), (339, 16684), (342, 16690), (361, 16729),

Gene: EpicPhail_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for EpicPhail_28:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 50
Candidate Starts for Epsocamisio_29:
(Start: 50 @18119 has 24 MA's), (85, 18233), (87, 18239), (88, 18242), (146, 18476), (251, 18743), (282, 18797), (345, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 46
Candidate Starts for Equemioh13_29:
(Start: 46 @19643 has 280 MA's), (74, 19718), (78, 19736), (88, 19772), (98, 19811), (140, 19988), (149, 20018), (163, 20057), (164, 20060), (345, 20516), (356, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for EricB_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 53
Candidate Starts for Erik_22:

(Start: 53 @15479 has 355 MA's), (64, 15518), (85, 15599), (87, 15605), (106, 15674), (124, 15752), (133, 15785), (138, 15812), (164, 15890), (216, 15986), (309, 16115), (315, 16133), (338, 16190), (345, 16202), (365, 16244), (401, 16340),

Gene: Eris_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Eris_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Eros_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Eros_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Espica_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 41
Candidate Starts for Estes_32:
(Start: 41 @22177 has 21 MA's), (Start: 48 @22186 has 2 MA's), (67, 22240), (75, 22276), (76, 22279), (81, 22297), (85, 22312), (106, 22381), (107, 22384), (163, 22609), (164, 22612), (175, 22642), (208, 22723), (209, 22729), (285, 22903), (291, 22918), (304, 22951), (360, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 46
Candidate Starts for Et2Brutus_26:
(Start: 46 @19739 has 280 MA's), (67, 19796), (85, 19871), (117, 20000), (133, 20060), (148, 20120), (149, 20126), (164, 20168), (178, 20213), (180, 20219), (212, 20303), (230, 20336), (345, 20618), (349, 20627), (356, 20642), (389, 20708),

Gene: EtoileNova_27 Start: 19089, Stop: 20462, Start Num: 53
Candidate Starts for EtoileNova_27:
(Start: 53 @19089 has 355 MA's), (74, 19167), (78, 19185), (85, 19209), (88, 19218), (109, 19296), (164, 19506), (165, 19509), (178, 19551), (182, 19563), (212, 19641), (306, 19860), (346, 19962), (387, 20052), (400, 20097), (405, 20139), (416, 20202), (417, 20253), (422, 20319), (424, 20346), (426, 20385), (427, 20409), (428, 20415),

Gene: Eurydice_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Eurydice_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 36
Candidate Starts for Evamon_30:

(Start: 36 @24920 has 36 MA's), (74, 25025), (91, 25094), (93, 25100), (100, 25124), (105, 25139), (238, 25499), (245, 25514), (252, 25532), (293, 25634), (309, 25676), (321, 25712), (355, 25787), (367, 25808), (390, 25859),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 46
Candidate Starts for EvilGenius_29:
(Start: 46 @19596 has 280 MA's), (74, 19671), (78, 19689), (88, 19725), (98, 19764), (149, 19971), (163, 20010), (164, 20013), (193, 20100), (271, 20280), (309, 20382), (338, 20457), (345, 20469),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 53
Candidate Starts for Expelliarmus_22:
(Start: 53 @17601 has 355 MA's), (85, 17724), (87, 17730), (107, 17802), (133, 17907), (136, 17934), (164, 18024), (240, 18225), (253, 18255), (255, 18258), (338, 18468), (358, 18507), (384, 18555), (389, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for ExplosioNervosa_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Eyes_18 Start: 15709, Stop: 16635, Start Num: 47
Candidate Starts for Eyes_18:
(3, 15391), (10, 15490), (15, 15577), (Start: 32 @15691 has 53 MA's), (Start: 47 @15709 has 67 MA's), (Start: 56 @15718 has 6 MA's), (68, 15760), (Start: 70 @15772 has 1 MA's), (126, 15994), (139, 16039), (148, 16063), (154, 16069), (157, 16078), (159, 16084), (169, 16114), (180, 16144), (191, 16174), (194, 16180), (204, 16195), (226, 16240), (228, 16243), (238, 16267), (264, 16324), (274, 16345), (296, 16411), (323, 16480), (348, 16534), (388, 16618),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Faith1_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 46
Candidate Starts for Fameo_27:
(Start: 46 @19223 has 280 MA's), (74, 19298), (78, 19316), (88, 19352), (98, 19391), (149, 19598), (163, 19637), (164, 19640), (271, 19907), (309, 20009), (338, 20084), (345, 20096), (389, 20186),

Gene: Farber_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for Farber_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 46
Candidate Starts for FarmResident_17:
(Start: 46 @15745 has 280 MA's), (60, 15769), (66, 15796), (67, 15799), (71, 15814), (78, 15847), (107, 15943), (140, 16078), (144, 16087), (163, 16147), (164, 16150), (192, 16228), (197, 16243), (209, 16267), (244, 16336), (254, 16360), (261, 16378), (281, 16429), (291, 16456), (309, 16504), (318, 16531), (361, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 46
Candidate Starts for FatCactus_25:
(Start: 46 @17601 has 280 MA's), (74, 17676), (78, 17694), (88, 17730), (98, 17769), (117, 17850), (149, 17976), (163, 18015), (164, 18018), (212, 18153), (271, 18279), (306, 18372), (309, 18381), (316, 18402), (345, 18468), (356, 18492), (374, 18525), (389, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Fayely_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Feastonyeet_16 Start: 14508, Stop: 15464, Start Num: 49
Candidate Starts for Feastonyeet_16:
(Start: 49 @14508 has 68 MA's), (66, 14553), (78, 14610), (85, 14637), (100, 14691), (108, 14718), (121, 14769), (122, 14772), (123, 14778), (124, 14781), (137, 14835), (143, 14850), (159, 14895), (167, 14919), (191, 14985), (238, 15081), (308, 15267), (318, 15297), (321, 15306), (329, 15330), (347, 15363), (388, 15450), (392, 15456),

Gene: Fernando_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for Fernando_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Fibonacci_27:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 47
Candidate Starts for Finemlucis_17:
(Start: 47 @16080 has 67 MA's), (60, 16104), (67, 16134), (101, 16260), (119, 16332), (162, 16485), (163, 16488), (164, 16491), (175, 16521), (196, 16578), (208, 16602), (209, 16608), (244, 16677), (249, 16695), (259, 16716), (285, 16782), (309, 16845), (361, 16974), (366, 16986),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 47
Candidate Starts for Finnry_18:
(Start: 47 @16494 has 67 MA's), (60, 16518), (71, 16563), (74, 16578), (78, 16599), (107, 16695), (140, 16830), (144, 16839), (163, 16899), (164, 16902), (166, 16908), (192, 16980), (208, 17013), (244, 17088), (267, 17142), (276, 17163), (292, 17214), (309, 17256), (361, 17367), (363, 17370),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 36
Candidate Starts for Fireball_31:
(Start: 36 @25055 has 36 MA's), (74, 25151), (91, 25220), (93, 25226), (100, 25250), (105, 25265), (109, 25283), (166, 25475), (204, 25553), (228, 25598), (238, 25622), (257, 25661), (293, 25757), (309, 25799), (321, 25835), (331, 25865), (355, 25910), (367, 25931), (390, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for FiringLine_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 46
Candidate Starts for First_0027:
(Start: 46 @19219 has 280 MA's), (67, 19273), (78, 19312), (98, 19387), (133, 19528), (149, 19594), (163, 19633), (164, 19636), (255, 19864), (271, 19897), (309, 19999), (316, 20020), (338, 20074), (345, 20086), (389, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 32
Candidate Starts for Fitzgerald_32:
(Start: 32 @29941 has 53 MA's), (93, 30127), (96, 30139), (105, 30166), (110, 30187), (125, 30247), (152, 30337), (166, 30373), (179, 30406), (186, 30421), (188, 30433), (206, 30463), (211, 30469), (238, 30529), (277, 30619), (309, 30709), (316, 30733), (321, 30745), (350, 30811), (358, 30826), (373, 30850), (379, 30862), (390, 30892),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 46
Candidate Starts for Flare16_27:
(Start: 46 @19201 has 280 MA's), (74, 19276), (78, 19294), (88, 19330), (98, 19369), (140, 19546), (149, 19576), (163, 19615), (164, 19618), (345, 20074), (356, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 32
Candidate Starts for Flatwoods_34:
(Start: 32 @28876 has 53 MA's), (85, 29032), (93, 29062), (96, 29074), (100, 29086), (105, 29101), (108, 29113), (152, 29272), (166, 29308), (188, 29368), (198, 29392), (211, 29404), (238, 29464), (277, 29554), (309, 29644), (316, 29668), (321, 29680), (350, 29746), (358, 29761), (373, 29785), (379, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 46
Candidate Starts for Flaverint_27:
(Start: 46 @19730 has 280 MA's), (67, 19787), (85, 19862), (117, 19991), (133, 20051), (148, 20111), (149, 20117), (164, 20159), (178, 20204), (180, 20210), (212, 20294), (230, 20327), (345, 20609), (349, 20618), (356, 20633), (389, 20699),

Gene: Florean_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Florean_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Florence1_23 Start: 18436, Stop: 19449, Start Num: 53
Candidate Starts for Florence1_23:
(Start: 53 @18436 has 355 MA's), (78, 18532), (87, 18565), (88, 18568), (133, 18742), (138, 18772), (148, 18802), (149, 18808), (156, 18826), (164, 18850), (177, 18892), (246, 19063), (303, 19204), (345, 19306), (358, 19333), (389, 19396),

Gene: Florence4_24 Start: 18436, Stop: 19449, Start Num: 53
Candidate Starts for Florence4_24:
(Start: 53 @18436 has 355 MA's), (78, 18532), (87, 18565), (88, 18568), (133, 18742), (138, 18772), (148, 18802), (149, 18808), (156, 18826), (164, 18850), (177, 18892), (246, 19063), (303, 19204), (345, 19306), (358, 19333), (389, 19396),

Gene: Flux_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Flux_26:

(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 53
Candidate Starts for ForGetIt_23:
(Start: 53 @18499 has 355 MA's), (78, 18595), (87, 18628), (88, 18631), (98, 18670), (112, 18718), (149, 18871), (156, 18889), (164, 18913), (177, 18955), (303, 19267), (345, 19369), (358, 19396),

Gene: ForesterFrank_29 Start: 20675, Stop: 21688, Start Num: 46
Candidate Starts for ForesterFrank_29:
(Start: 46 @20675 has 280 MA's), (78, 20768), (88, 20804), (98, 20843), (149, 21050), (163, 21089), (164, 21092), (178, 21137), (200, 21197), (253, 21320), (255, 21323), (345, 21545),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 32
Candidate Starts for Fosterous_32:
(Start: 32 @29783 has 53 MA's), (93, 29969), (96, 29981), (105, 30008), (110, 30029), (125, 30089), (150, 30176), (152, 30179), (166, 30215), (179, 30248), (186, 30263), (188, 30275), (206, 30305), (211, 30311), (238, 30371), (277, 30461), (309, 30551), (316, 30575), (321, 30587), (350, 30653), (358, 30668), (373, 30692), (379, 30704), (390, 30734),

Gene: FreakyGoo_28 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for FreakyGoo_28:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Fred313_26 Start: 18282, Stop: 19655, Start Num: 53
Candidate Starts for Fred313_26:
(Start: 53 @18282 has 355 MA's), (74, 18360), (78, 18378), (87, 18408), (88, 18411), (107, 18480), (164, 18699), (165, 18702), (178, 18744), (182, 18756), (306, 19053), (334, 19134), (346, 19155), (387, 19245), (400, 19290), (405, 19332), (416, 19395), (417, 19446), (418, 19449), (422, 19512), (424, 19539), (426, 19578), (427, 19602), (428, 19608),

Gene: Fribs8_18 Start: 15556, Stop: 16521, Start Num: 49
Candidate Starts for Fribs8_18:
(Start: 49 @15556 has 68 MA's), (66, 15601), (78, 15658), (85, 15685), (100, 15739), (121, 15820), (123, 15829), (124, 15832), (141, 15901), (159, 15949), (165, 15967), (191, 16039), (198, 16054), (225, 16105), (226, 16108), (282, 16249), (308, 16318), (309, 16321), (318, 16348), (321, 16357), (329, 16381), (347, 16414), (350, 16423), (355, 16432), (378, 16477), (388, 16507), (392, 16513),

Gene: Frickyeah_19 Start: 15508, Stop: 16431, Start Num: 54
Candidate Starts for Frickyeah_19:
(Start: 54 @15508 has 16 MA's), (Start: 56 @15511 has 6 MA's), (60, 15523), (64, 15541), (75, 15586), (85, 15625), (96, 15664), (106, 15697), (108, 15703), (123, 15772), (137, 15826), (139, 15829), (140, 15832), (145, 15844), (159, 15874), (165, 15892), (186, 15946), (188, 15958), (191, 15964), (204, 15985), (228, 16033), (238, 16057), (245, 16072), (246, 16075), (257, 16096), (307, 16228), (308, 16231), (310, 16237), (323, 16270), (329, 16288), (347, 16321), (375, 16372), (382, 16387), (395, 16423),

Gene: Fryberger_52 Start: 26990, Stop: 27934, Start Num: 42
Candidate Starts for Fryberger_52:

(Start: 40 @26987 has 8 MA's), (Start: 42 @26990 has 12 MA's), (82, 27110), (108, 27206), (134, 27308), (158, 27374), (165, 27395), (167, 27401), (183, 27452), (191, 27476), (238, 27569), (257, 27608), (299, 27719), (300, 27725), (305, 27734), (307, 27740), (318, 27773), (321, 27782), (324, 27791), (329, 27806), (370, 27881), (377, 27893), (382, 27905), (388, 27926),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 32
Candidate Starts for FuegoCuervo_36:
(Start: 32 @28328 has 53 MA's), (93, 28514), (96, 28526), (105, 28553), (110, 28574), (125, 28634), (150, 28721), (152, 28724), (166, 28760), (179, 28793), (186, 28808), (188, 28820), (206, 28850), (211, 28856), (238, 28916), (277, 29006), (309, 29096), (316, 29120), (321, 29132), (350, 29198), (358, 29213), (373, 29237), (379, 29249), (390, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 36
Candidate Starts for Fugax_32:
(Start: 36 @25634 has 36 MA's), (74, 25739), (91, 25808), (93, 25814), (100, 25838), (105, 25853), (238, 26213), (245, 26228), (252, 26246), (293, 26348), (309, 26390), (321, 26426), (367, 26522), (390, 26573),

Gene: Funston_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Funston_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: GEazy_18 Start: 15730, Stop: 16650, Start Num: 56
Candidate Starts for GEazy_18:
(Start: 32 @15700 has 53 MA's), (Start: 47 @15721 has 67 MA's), (Start: 56 @15730 has 6 MA's), (68, 15772), (126, 16006), (139, 16051), (148, 16075), (154, 16081), (157, 16090), (159, 16096), (169, 16126), (180, 16156), (191, 16186), (194, 16192), (228, 16255), (238, 16279), (264, 16336), (296, 16423), (323, 16492), (377, 16597), (388, 16630),

Gene: GTE2_15 Start: 14148, Stop: 15074, Start Num: 66
Candidate Starts for GTE2_15:
(Start: 49 @14103 has 68 MA's), (66, 14148), (71, 14169), (78, 14205), (91, 14256), (100, 14286), (121, 14364), (123, 14373), (124, 14376), (137, 14430), (141, 14442), (159, 14490), (175, 14532), (191, 14580), (215, 14631), (225, 14661), (238, 14691), (245, 14706), (246, 14709), (282, 14805), (289, 14823), (307, 14874), (308, 14877), (318, 14907), (321, 14916), (325, 14931), (353, 14988), (381, 15036), (388, 15060), (392, 15066),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 26
Candidate Starts for GTE6_31:
(Start: 26 @27069 has 29 MA's), (31, 27081), (Start: 46 @27108 has 280 MA's), (64, 27156), (78, 27210), (100, 27288), (123, 27384), (131, 27417), (140, 27456), (180, 27585), (192, 27618), (208, 27654), (283, 27840), (295, 27870), (320, 27933), (332, 27966), (368, 28035),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Gabriela_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Gadost_26 Start: 18494, Stop: 19834, Start Num: 53

Candidate Starts for Gadost_26:
(11, 18296), (16, 18353), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (397, 19472), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 32
Candidate Starts for Gaea_33:
(Start: 32 @28524 has 53 MA's), (85, 28680), (93, 28710), (96, 28722), (100, 28734), (105, 28749), (108, 28761), (152, 28920), (166, 28956), (188, 29016), (198, 29040), (211, 29052), (238, 29112), (277, 29202), (294, 29253), (309, 29292), (316, 29316), (321, 29328), (350, 29394), (358, 29409), (370, 29427), (373, 29433), (379, 29445),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 46
Candidate Starts for Gail_26:
(Start: 46 @18165 has 280 MA's), (58, 18183), (67, 18219), (74, 18240), (78, 18258), (111, 18378), (140, 18510), (149, 18540), (163, 18579), (164, 18582), (178, 18627), (246, 18792), (260, 18828), (284, 18894), (345, 19044), (356, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 32
Candidate Starts for Galadriel_34:
(Start: 32 @30272 has 53 MA's), (93, 30458), (96, 30470), (105, 30497), (110, 30518), (125, 30578), (150, 30665), (152, 30668), (166, 30704), (179, 30737), (186, 30752), (188, 30764), (206, 30794), (211, 30800), (238, 30860), (277, 30950), (309, 31040), (316, 31064), (321, 31076), (350, 31142), (373, 31181), (379, 31193), (390, 31223),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 46
Candidate Starts for Garak_31:
(Start: 46 @18964 has 280 MA's), (67, 19018), (78, 19057), (107, 19162), (140, 19309), (149, 19339), (163, 19378), (164, 19381), (193, 19468), (200, 19489), (255, 19615), (284, 19687), (345, 19837), (349, 19846), (389, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for Gardann_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 41
Candidate Starts for GardenSalsa_31:
(Start: 41 @22001 has 21 MA's), (Start: 48 @22010 has 2 MA's), (67, 22064), (75, 22100), (76, 22103), (81, 22121), (85, 22136), (106, 22205), (107, 22208), (163, 22433), (164, 22436), (175, 22466), (209, 22553), (265, 22673), (285, 22727), (291, 22742), (304, 22775), (360, 22898),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 46
Candidate Starts for GaugeLDP_29:
(Start: 46 @20459 has 280 MA's), (78, 20552), (88, 20588), (98, 20627), (149, 20834), (163, 20873), (164, 20876), (309, 21239), (345, 21326), (356, 21350),

Gene: Gemma_28 Start: 19086, Stop: 20459, Start Num: 53
Candidate Starts for Gemma_28:
(Start: 53 @19086 has 355 MA's), (78, 19182), (85, 19206), (87, 19212), (142, 19437), (164, 19503), (182, 19560), (212, 19638), (270, 19770), (306, 19857), (313, 19878), (364, 19998), (387, 20049),

(400, 20094), (405, 20136), (408, 20145), (422, 20316), (426, 20382), (427, 20406), (428, 20412),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 41
Candidate Starts for GenevaB15_31:
(Start: 41 @22046 has 21 MA's), (Start: 48 @22055 has 2 MA's), (67, 22109), (75, 22145), (76, 22148), (81, 22166), (85, 22181), (88, 22190), (106, 22250), (107, 22253), (163, 22478), (164, 22481), (175, 22511), (209, 22598), (275, 22739), (291, 22787), (304, 22820), (360, 22943),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 32
Candidate Starts for Geodirt_31:
(Start: 32 @29258 has 53 MA's), (93, 29444), (96, 29456), (105, 29483), (110, 29504), (125, 29564), (152, 29654), (166, 29690), (179, 29723), (186, 29738), (188, 29750), (206, 29780), (211, 29786), (238, 29846), (277, 29936), (309, 30026), (316, 30050), (321, 30062), (350, 30128), (358, 30143), (373, 30167), (379, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 53
Candidate Starts for George_22:
(Start: 53 @18648 has 355 MA's), (78, 18744), (87, 18777), (88, 18780), (98, 18819), (133, 18954), (148, 19014), (149, 19020), (156, 19038), (164, 19062), (177, 19104), (303, 19416), (345, 19518), (389, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 46
Candidate Starts for Georgie2_28:
(Start: 46 @19096 has 280 MA's), (74, 19171), (78, 19189), (88, 19225), (98, 19264), (149, 19471), (163, 19510), (164, 19513), (271, 19780), (309, 19882), (338, 19957), (345, 19969), (389, 20059),

Gene: Getalong_20 Start: 16305, Stop: 17228, Start Num: 54
Candidate Starts for Getalong_20:
(Start: 54 @16305 has 16 MA's), (Start: 56 @16308 has 6 MA's), (60, 16320), (64, 16338), (75, 16383), (85, 16422), (96, 16461), (106, 16494), (108, 16500), (123, 16569), (137, 16623), (139, 16626), (140, 16629), (145, 16641), (157, 16665), (159, 16671), (165, 16689), (186, 16743), (188, 16755), (191, 16761), (204, 16782), (226, 16827), (228, 16830), (235, 16848), (238, 16854), (245, 16869), (246, 16872), (307, 17025), (308, 17028), (310, 17034), (323, 17067), (329, 17085), (347, 17118), (375, 17169), (382, 17184), (395, 17220),

Gene: Gezellig_30 Start: 25052, Stop: 25996, Start Num: 36
Candidate Starts for Gezellig_30:
(Start: 36 @25052 has 36 MA's), (74, 25157), (91, 25226), (93, 25232), (100, 25256), (105, 25271), (238, 25631), (245, 25646), (252, 25664), (293, 25766), (309, 25808), (321, 25844), (367, 25940), (390, 25991),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 53
Candidate Starts for Ghoulboy_23:
(Start: 53 @18814 has 355 MA's), (78, 18910), (87, 18943), (88, 18946), (98, 18985), (112, 19033), (149, 19186), (156, 19204), (164, 19228), (177, 19270), (303, 19582), (345, 19684), (358, 19711),

Gene: GiKK_20 Start: 14134, Stop: 15093, Start Num: 49
Candidate Starts for GiKK_20:
(Start: 49 @14134 has 68 MA's), (67, 14182), (68, 14185), (85, 14263), (122, 14398), (123, 14404), (143, 14476), (151, 14500), (159, 14521), (191, 14611), (204, 14626), (211, 14641), (238, 14713), (274, 14800), (308, 14896), (318, 14926), (321, 14935), (329, 14959), (347, 14992), (350, 15001), (353, 15007), (382, 15058), (388, 15079), (392, 15085),

Gene: Gibbous_17 Start: 14967, Stop: 15938, Start Num: 49
Candidate Starts for Gibbous_17:
(21, 14892), (Start: 49 @14967 has 68 MA's), (66, 15012), (85, 15096), (100, 15150), (116, 15207), (121, 15231), (123, 15240), (124, 15243), (137, 15300), (159, 15360), (165, 15378), (191, 15450), (198, 15471), (238, 15552), (282, 15666), (308, 15735), (309, 15738), (318, 15765), (321, 15774), (329, 15798), (347, 15831), (355, 15849), (378, 15894), (388, 15924),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 46
Candidate Starts for Gilberta_27:
(Start: 46 @19727 has 280 MA's), (67, 19784), (85, 19859), (117, 19988), (133, 20048), (148, 20108), (149, 20114), (164, 20156), (178, 20201), (180, 20207), (212, 20291), (230, 20324), (345, 20606), (349, 20615), (356, 20630), (389, 20696),

Gene: GingkoMaracino_28 Start: 18898, Stop: 20268, Start Num: 53
Candidate Starts for GingkoMaracino_28:
(Start: 53 @18898 has 355 MA's), (78, 18994), (85, 19018), (87, 19024), (142, 19249), (164, 19315), (182, 19372), (212, 19450), (270, 19582), (306, 19669), (364, 19810), (400, 19906), (405, 19948), (416, 20008), (419, 20080), (422, 20125), (426, 20191), (427, 20215), (428, 20221),

Gene: Giroux_27 Start: 18534, Stop: 19907, Start Num: 53
Candidate Starts for Giroux_27:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 46
Candidate Starts for Gladiator_30:
(Start: 46 @18950 has 280 MA's), (58, 18968), (67, 19004), (78, 19043), (107, 19148), (149, 19325), (163, 19364), (164, 19367), (193, 19454), (200, 19475), (255, 19601), (284, 19673), (345, 19823), (349, 19832), (389, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for Glaske16_28:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: GoldHunter_17 Start: 14765, Stop: 15736, Start Num: 49
Candidate Starts for GoldHunter_17:
(Start: 49 @14765 has 68 MA's), (66, 14810), (71, 14831), (85, 14894), (91, 14918), (100, 14948), (111, 14987), (121, 15026), (123, 15035), (124, 15038), (141, 15104), (159, 15152), (175, 15194), (191, 15242), (215, 15293), (238, 15353), (245, 15368), (246, 15371), (251, 15389), (255, 15395), (274, 15440), (282, 15467), (289, 15485), (308, 15539), (318, 15569), (321, 15578), (325, 15593), (353, 15650), (381, 15698), (388, 15722), (392, 15728),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Gollum_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (309, 16116), (315, 16134), (345, 16203), (401, 16341),

Gene: Goose_26 Start: 18422, Stop: 19789, Start Num: 53
Candidate Starts for Goose_26:

(8, 18173), (16, 18281), (Start: 53 @18422 has 355 MA's), (74, 18500), (78, 18518), (87, 18548), (88, 18551), (109, 18629), (164, 18839), (177, 18881), (208, 18959), (237, 19031), (240, 19040), (306, 19193), (324, 19247), (346, 19301), (362, 19337), (387, 19385), (400, 19430), (407, 19475), (417, 19580), (422, 19646), (423, 19655), (427, 19736), (428, 19742),

Gene: Goose1D_26 Start: 17792, Stop: 19165, Start Num: 53
Candidate Starts for Goose1D_26:
(Start: 53 @17792 has 355 MA's), (74, 17870), (78, 17888), (87, 17918), (88, 17921), (107, 17990), (164, 18209), (165, 18212), (178, 18254), (182, 18266), (306, 18563), (334, 18644), (346, 18665), (387, 18755), (400, 18800), (405, 18842), (416, 18905), (417, 18956), (418, 18959), (422, 19022), (424, 19049), (426, 19088), (427, 19112), (428, 19118),

Gene: Goose1X_26 Start: 17864, Stop: 19237, Start Num: 53
Candidate Starts for Goose1X_26:
(Start: 53 @17864 has 355 MA's), (74, 17942), (78, 17960), (87, 17990), (88, 17993), (107, 18062), (164, 18281), (165, 18284), (178, 18326), (182, 18338), (306, 18635), (334, 18716), (346, 18737), (387, 18827), (400, 18872), (405, 18914), (416, 18977), (417, 19028), (418, 19031), (422, 19094), (424, 19121), (426, 19160), (427, 19184), (428, 19190),

Gene: Gratitude_29 Start: 19643, Stop: 20659, Start Num: 46
Candidate Starts for Gratitude_29:
(Start: 46 @19643 has 280 MA's), (74, 19718), (78, 19736), (88, 19772), (98, 19811), (140, 19988), (149, 20018), (163, 20057), (164, 20060), (345, 20516), (356, 20540),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for GreedyLawyer_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: Grif_28 Start: 19095, Stop: 20465, Start Num: 53
Candidate Starts for Grif_28:
(Start: 53 @19095 has 355 MA's), (78, 19191), (85, 19215), (87, 19221), (142, 19446), (164, 19512), (182, 19569), (212, 19647), (270, 19779), (306, 19866), (364, 20007), (400, 20103), (405, 20145), (416, 20205), (419, 20277), (422, 20322), (426, 20388), (427, 20412), (428, 20418),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 53
Candidate Starts for Groundhog_22:
(Start: 53 @17602 has 355 MA's), (85, 17725), (87, 17731), (107, 17803), (133, 17908), (136, 17935), (164, 18025), (208, 18145), (240, 18226), (253, 18256), (255, 18259), (338, 18469), (358, 18508), (384, 18556), (389, 18571),

Gene: Groupthink_29 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Groupthink_29:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: Grub_28 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for Grub_28:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: Grum1_28 Start: 19005, Stop: 20378, Start Num: 53
Candidate Starts for Grum1_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (334, 19857), (364, 19917), (387, 19968), (400, 20013), (416, 20118), (419, 20190), (422, 20235), (426, 20301), (427, 20325), (428, 20331),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 46
Candidate Starts for Gruunaga_30:
(Start: 46 @18950 has 280 MA's), (58, 18968), (67, 19004), (78, 19043), (107, 19148), (149, 19325), (163, 19364), (164, 19367), (193, 19454), (200, 19475), (255, 19601), (284, 19673), (345, 19823), (349, 19832), (389, 19913),

Gene: GtownJaz_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for GtownJaz_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: Guey18_57 Start: 28183, Stop: 29127, Start Num: 42
Candidate Starts for Guey18_57:
(Start: 42 @28183 has 12 MA's), (82, 28303), (108, 28399), (134, 28501), (158, 28567), (165, 28588), (167, 28594), (183, 28645), (191, 28669), (238, 28762), (257, 28801), (299, 28912), (300, 28918), (305, 28927), (307, 28933), (318, 28966), (321, 28975), (324, 28984), (329, 28999), (370, 29074), (377, 29086), (382, 29098), (388, 29119),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 32
Candidate Starts for Gustavo_33:
(Start: 32 @28679 has 53 MA's), (82, 28820), (93, 28865), (96, 28877), (100, 28889), (105, 28904), (108, 28916), (116, 28943), (118, 28958), (125, 28985), (152, 29075), (166, 29111), (188, 29171), (211, 29207), (238, 29267), (277, 29357), (309, 29447), (316, 29471), (321, 29483), (350, 29549), (358, 29564), (373, 29588), (379, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 47
Candidate Starts for GuuelaD_17:
(Start: 47 @16108 has 67 MA's), (60, 16132), (67, 16162), (162, 16513), (163, 16516), (164, 16519), (175, 16549), (196, 16606), (208, 16630), (209, 16636), (244, 16705), (249, 16723), (259, 16744), (285, 16810), (308, 16870), (309, 16873), (361, 17002), (366, 17014),

Gene: Gwennie_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for Gwennie_28:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 47
Candidate Starts for Hafay_17:
(Start: 47 @16107 has 67 MA's), (67, 16161), (101, 16287), (119, 16359), (162, 16512), (163, 16515), (164, 16518), (175, 16548), (196, 16605), (208, 16629), (209, 16635), (244, 16704), (249, 16722), (259, 16743), (281, 16797), (285, 16809), (309, 16872), (361, 17001), (366, 17013),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 46
Candidate Starts for Halena_17:

(24, 15812), (Start: 34 @15848 has 9 MA's), (Start: 46 @15866 has 280 MA's), (60, 15890), (67, 15920), (71, 15935), (78, 15968), (119, 16112), (163, 16268), (164, 16271), (166, 16277), (182, 16322), (192, 16349), (209, 16388), (229, 16421), (233, 16430), (244, 16457), (291, 16577), (309, 16625), (318, 16652), (339, 16691), (342, 16697), (361, 16736),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 36
Candidate Starts for Halo3_31:
(Start: 36 @25345 has 36 MA's), (74, 25450), (91, 25519), (93, 25525), (100, 25549), (105, 25564), (238, 25924), (245, 25939), (252, 25957), (293, 26059), (309, 26101), (321, 26137), (367, 26233), (390, 26284),

Gene: HamSlice_25 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for HamSlice_25:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (117, 18737), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (397, 19466), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 46
Candidate Starts for Hammer_30:
(Start: 46 @18965 has 280 MA's), (58, 18983), (67, 19019), (78, 19058), (107, 19163), (149, 19340), (163, 19379), (164, 19382), (193, 19469), (200, 19490), (255, 19616), (284, 19688), (345, 19838), (349, 19847), (389, 19928),

Gene: HannahD_18 Start: 15721, Stop: 16650, Start Num: 47
Candidate Starts for HannahD_18:
(Start: 32 @15700 has 53 MA's), (Start: 47 @15721 has 67 MA's), (Start: 56 @15730 has 6 MA's), (68, 15772), (126, 16006), (139, 16051), (148, 16075), (154, 16081), (157, 16090), (159, 16096), (169, 16126), (180, 16156), (191, 16186), (194, 16192), (228, 16255), (238, 16279), (264, 16336), (296, 16423), (323, 16492), (377, 16597), (388, 16630),

Gene: Hanray_28 Start: 20531, Stop: 21544, Start Num: 46
Candidate Starts for Hanray_28:
(Start: 46 @20531 has 280 MA's), (58, 20549), (74, 20606), (78, 20624), (88, 20660), (133, 20840), (140, 20876), (149, 20906), (164, 20948), (222, 21107), (284, 21251), (309, 21314), (338, 21389), (345, 21401), (356, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 26
Candidate Starts for Hans_34:
(Start: 26 @28153 has 29 MA's), (74, 28276), (84, 28312), (100, 28372), (123, 28468), (151, 28579), (159, 28600), (192, 28702), (208, 28738), (293, 28954), (295, 28960), (302, 28975), (308, 28990), (320, 29026), (332, 29059), (333, 29062), (368, 29128),

Gene: Happiness_26 Start: 18496, Stop: 19836, Start Num: 53
Candidate Starts for Happiness_26:
(16, 18355), (19, 18385), (20, 18394), (22, 18427), (Start: 53 @18496 has 355 MA's), (58, 18508), (74, 18574), (78, 18592), (87, 18622), (140, 18841), (164, 18913), (178, 18958), (182, 18970), (240, 19114), (306, 19267), (346, 19369), (364, 19408), (387, 19453), (400, 19498), (406, 19540), (421, 19681), (422, 19693), (427, 19783), (428, 19789), (429, 19828),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 53
Candidate Starts for Harlequin_22:

(Start: 53 @15430 has 355 MA's), (64, 15469), (85, 15550), (87, 15556), (106, 15625), (124, 15703), (131, 15730), (164, 15841), (216, 15937), (309, 16066), (315, 16084), (338, 16141), (345, 16153), (401, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 46
Candidate Starts for HarryHoudini_29:
(Start: 46 @19660 has 280 MA's), (74, 19735), (78, 19753), (88, 19789), (98, 19828), (133, 19969), (149, 20035), (163, 20074), (164, 20077), (345, 20533), (356, 20557),

Gene: HashRod_29 Start: 19096, Stop: 20469, Start Num: 53
Candidate Starts for HashRod_29:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (334, 19948), (364, 20008), (387, 20059), (400, 20104), (416, 20209), (419, 20281), (422, 20326), (426, 20392), (427, 20416), (428, 20422),

Gene: HaveUMetTed_29 Start: 19083, Stop: 20456, Start Num: 53
Candidate Starts for HaveUMetTed_29:
(Start: 53 @19083 has 355 MA's), (78, 19179), (85, 19203), (87, 19209), (142, 19434), (164, 19500), (182, 19557), (212, 19635), (270, 19767), (306, 19854), (313, 19875), (364, 19995), (387, 20046), (400, 20091), (405, 20133), (408, 20142), (422, 20313), (426, 20379), (427, 20403), (428, 20409),

Gene: Heathen_26 Start: 18338, Stop: 19711, Start Num: 53
Candidate Starts for Heathen_26:
(Start: 53 @18338 has 355 MA's), (74, 18416), (78, 18434), (87, 18464), (88, 18467), (107, 18536), (164, 18755), (165, 18758), (178, 18800), (182, 18812), (306, 19109), (334, 19190), (346, 19211), (387, 19301), (400, 19346), (405, 19388), (416, 19451), (417, 19502), (418, 19505), (422, 19568), (424, 19595), (426, 19634), (427, 19658), (428, 19664),

Gene: Hedwig_19 Start: 16010, Stop: 16957, Start Num: 47
Candidate Starts for Hedwig_19:
(Start: 47 @16010 has 67 MA's), (123, 16286), (126, 16298), (148, 16370), (154, 16376), (159, 16391), (180, 16451), (191, 16481), (194, 16487), (228, 16550), (238, 16574), (239, 16577), (255, 16616), (282, 16685), (296, 16727), (307, 16754), (323, 16796), (324, 16799), (328, 16811), (353, 16862), (370, 16886), (393, 16940),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 46
Candidate Starts for Heffalump_29:
(Start: 46 @21031 has 280 MA's), (74, 21106), (78, 21124), (88, 21160), (98, 21199), (149, 21406), (163, 21445), (164, 21448), (309, 21811), (338, 21886), (345, 21898), (389, 21988),

Gene: HelDan_26 Start: 18590, Stop: 19963, Start Num: 53
Candidate Starts for HelDan_26:
(Start: 53 @18590 has 355 MA's), (74, 18668), (78, 18686), (87, 18716), (88, 18719), (107, 18788), (164, 19007), (165, 19010), (178, 19052), (182, 19064), (306, 19361), (334, 19442), (346, 19463), (387, 19553), (400, 19598), (405, 19640), (416, 19703), (417, 19754), (418, 19757), (422, 19820), (424, 19847), (426, 19886), (427, 19910), (428, 19916),

Gene: Heliosoles_28 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Heliosoles_28:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: Helmet_30 Start: 18964, Stop: 19980, Start Num: 46
Candidate Starts for Helmet_30:
(Start: 46 @18964 has 280 MA's), (67, 19018), (78, 19057), (107, 19162), (140, 19309), (149, 19339), (163, 19378), (164, 19381), (193, 19468), (200, 19489), (255, 19615), (284, 19687), (345, 19837), (349, 19846), (389, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 46
Candidate Starts for Herbertwm_24:
(Start: 46 @17773 has 280 MA's), (58, 17791), (74, 17848), (78, 17866), (88, 17902), (98, 17941), (133, 18082), (149, 18148), (164, 18190), (195, 18280), (216, 18343), (260, 18439), (338, 18643), (345, 18655), (356, 18679), (389, 18745), (394, 18754),

Gene: Hercules11_28 Start: 19019, Stop: 20389, Start Num: 53
Candidate Starts for Hercules11_28:
(Start: 53 @19019 has 355 MA's), (78, 19115), (85, 19139), (87, 19145), (142, 19370), (164, 19436), (182, 19493), (212, 19571), (270, 19703), (306, 19790), (364, 19931), (400, 20027), (405, 20069), (416, 20129), (419, 20201), (422, 20246), (426, 20312), (427, 20336), (428, 20342),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 46
Candidate Starts for Hexamo_30:
(Start: 46 @18932 has 280 MA's), (58, 18950), (67, 18986), (78, 19025), (107, 19130), (149, 19307), (163, 19346), (164, 19349), (193, 19436), (200, 19457), (255, 19583), (284, 19655), (345, 19805), (349, 19814), (389, 19895),

Gene: Hexbug_19 Start: 14820, Stop: 15779, Start Num: 49
Candidate Starts for Hexbug_19:
(21, 14745), (Start: 49 @14820 has 68 MA's), (60, 14841), (68, 14871), (85, 14949), (123, 15090), (151, 15186), (159, 15207), (175, 15249), (191, 15297), (204, 15312), (224, 15366), (238, 15399), (308, 15582), (309, 15585), (318, 15612), (321, 15621), (323, 15627), (329, 15645), (347, 15678), (350, 15687), (353, 15693), (388, 15765), (392, 15771),

Gene: HippoHollow_28 Start: 20959, Stop: 21969, Start Num: 46
Candidate Starts for HippoHollow_28:
(Start: 46 @20959 has 280 MA's), (67, 21013), (74, 21034), (78, 21052), (98, 21127), (149, 21334), (164, 21376), (212, 21511), (255, 21604), (271, 21637), (309, 21739), (338, 21814), (345, 21826), (389, 21916),

Gene: HippoPololi_19 Start: 15627, Stop: 16592, Start Num: 49
Candidate Starts for HippoPololi_19:
(Start: 49 @15627 has 68 MA's), (66, 15672), (78, 15729), (85, 15756), (100, 15810), (121, 15891), (123, 15900), (124, 15903), (137, 15960), (159, 16020), (165, 16038), (191, 16110), (198, 16125), (225, 16176), (226, 16179), (274, 16293), (282, 16320), (308, 16389), (309, 16392), (318, 16419), (321, 16428), (329, 16452), (347, 16485), (355, 16503), (378, 16548), (388, 16578),

Gene: Hiraya_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Hiraya_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (281, 16764), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 53
Candidate Starts for Hiro_22:

(Start: 53 @15736 has 355 MA's), (64, 15775), (87, 15862), (106, 15931), (124, 16009), (131, 16036), (164, 16147), (216, 16243), (309, 16372), (315, 16390), (345, 16459), (401, 16597),

Gene: Holex_28 Start: 20531, Stop: 21544, Start Num: 46
Candidate Starts for Holex_28:
(Start: 46 @20531 has 280 MA's), (58, 20549), (74, 20606), (78, 20624), (88, 20660), (133, 20840), (140, 20876), (149, 20906), (164, 20948), (222, 21107), (284, 21251), (309, 21314), (338, 21389), (345, 21401), (356, 21425),

Gene: Holli_26 Start: 18280, Stop: 19620, Start Num: 53
Candidate Starts for Holli_26:
(11, 18082), (16, 18139), (20, 18178), (22, 18211), (Start: 53 @18280 has 355 MA's), (58, 18292), (74, 18358), (78, 18376), (87, 18406), (117, 18529), (140, 18625), (164, 18697), (178, 18742), (182, 18754), (240, 18898), (306, 19051), (346, 19153), (364, 19192), (387, 19237), (397, 19258), (400, 19282), (406, 19324), (421, 19465), (422, 19477), (427, 19567), (428, 19573), (429, 19612),

Gene: Holliday_19 Start: 15504, Stop: 16424, Start Num: 56
Candidate Starts for Holliday_19:
(Start: 54 @15501 has 16 MA's), (Start: 56 @15504 has 6 MA's), (60, 15516), (64, 15534), (75, 15579), (85, 15618), (96, 15657), (106, 15690), (108, 15696), (123, 15765), (137, 15819), (139, 15822), (140, 15825), (145, 15837), (155, 15855), (157, 15861), (159, 15867), (165, 15885), (186, 15939), (188, 15951), (191, 15957), (204, 15978), (228, 16026), (235, 16044), (238, 16050), (245, 16065), (246, 16068), (307, 16221), (308, 16224), (310, 16230), (323, 16263), (329, 16281), (347, 16314), (375, 16365), (382, 16380), (395, 16416),

Gene: Hookmount_27 Start: 19086, Stop: 20459, Start Num: 53
Candidate Starts for Hookmount_27:
(Start: 53 @19086 has 355 MA's), (74, 19164), (78, 19182), (85, 19206), (88, 19215), (109, 19293), (164, 19503), (165, 19506), (178, 19548), (182, 19560), (212, 19638), (306, 19857), (346, 19959), (387, 20049), (400, 20094), (405, 20136), (416, 20199), (417, 20250), (422, 20316), (424, 20343), (426, 20382), (427, 20406), (428, 20412),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 46
Candidate Starts for Hoot_30:
(Start: 46 @18945 has 280 MA's), (67, 18999), (78, 19038), (107, 19143), (140, 19290), (149, 19320), (163, 19359), (164, 19362), (178, 19407), (200, 19467), (284, 19665), (345, 19815), (349, 19824),

Gene: Horseradish_18 Start: 14308, Stop: 15279, Start Num: 49
Candidate Starts for Horseradish_18:
(Start: 49 @14308 has 68 MA's), (66, 14353), (71, 14374), (74, 14389), (85, 14437), (91, 14461), (100, 14491), (121, 14569), (123, 14578), (124, 14581), (141, 14647), (159, 14695), (175, 14737), (191, 14785), (215, 14836), (238, 14896), (245, 14911), (246, 14914), (255, 14938), (282, 15010), (289, 15028), (307, 15079), (308, 15082), (318, 15112), (321, 15121), (325, 15136), (347, 15178), (353, 15193), (381, 15241), (388, 15265), (392, 15271),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for HortumSL17_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: Horus_19 Start: 15514, Stop: 16437, Start Num: 54
Candidate Starts for Horus_19:

(Start: 54 @15514 has 16 MA's), (Start: 56 @15517 has 6 MA's), (60, 15529), (64, 15547), (75, 15592), (85, 15631), (96, 15670), (106, 15703), (108, 15709), (123, 15778), (137, 15832), (139, 15835), (140, 15838), (145, 15850), (157, 15874), (159, 15880), (165, 15898), (186, 15952), (188, 15964), (191, 15970), (204, 15991), (226, 16036), (228, 16039), (235, 16057), (238, 16063), (245, 16078), (246, 16081), (307, 16234), (308, 16237), (310, 16243), (323, 16276), (329, 16294), (347, 16327), (375, 16378), (382, 16393), (395, 16429),

Gene: Houdini22_26 Start: 18494, Stop: 19834, Start Num: 53
Candidate Starts for Houdini22_26:
(11, 18296), (16, 18353), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (397, 19472), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 53
Candidate Starts for HuhtaEnerson15_23:
(Start: 53 @18648 has 355 MA's), (78, 18744), (87, 18777), (88, 18780), (98, 18819), (133, 18954), (148, 19014), (149, 19020), (156, 19038), (164, 19062), (177, 19104), (303, 19416), (345, 19518), (389, 19608),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Hutc2_27:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: Huxley_26 Start: 18554, Stop: 19894, Start Num: 53
Candidate Starts for Huxley_26:
(11, 18356), (16, 18413), (20, 18452), (22, 18485), (Start: 53 @18554 has 355 MA's), (58, 18566), (74, 18632), (78, 18650), (87, 18680), (117, 18803), (140, 18899), (164, 18971), (178, 19016), (182, 19028), (240, 19172), (306, 19325), (346, 19427), (364, 19466), (387, 19511), (397, 19532), (400, 19556), (406, 19598), (421, 19739), (422, 19751), (427, 19841), (428, 19847), (429, 19886),

Gene: ICleared_26 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for ICleared_26:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (117, 18737), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (397, 19466), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for IPhane7_27:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Iceman_27 Start: 18779, Stop: 20119, Start Num: 53
Candidate Starts for Iceman_27:
(11, 18581), (16, 18638), (20, 18677), (22, 18710), (Start: 53 @18779 has 355 MA's), (58, 18791), (74, 18857), (78, 18875), (87, 18905), (117, 19028), (140, 19124), (164, 19196), (178, 19241), (182, 19253), (240, 19397), (306, 19550), (346, 19652), (364, 19691), (387, 19736), (397, 19757), (400, 19781), (406, 19823), (421, 19964), (422, 19976), (427, 20066), (428, 20072), (429, 20111),

Gene: Idleandcovert_26 Start: 18534, Stop: 19907, Start Num: 53
Candidate Starts for Idleandcovert_26:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Imbriano_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for Imbriano_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 46
Candidate Starts for Indra_30:
(Start: 46 @18965 has 280 MA's), (67, 19019), (78, 19058), (107, 19163), (140, 19310), (149, 19340), (163, 19379), (164, 19382), (193, 19469), (200, 19490), (255, 19616), (284, 19688), (345, 19838), (349, 19847), (389, 19928),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 46
Candidate Starts for Insomnia_27:
(Start: 46 @19788 has 280 MA's), (67, 19845), (85, 19920), (117, 20049), (133, 20109), (148, 20169), (149, 20175), (164, 20217), (178, 20262), (180, 20268), (212, 20352), (230, 20385), (345, 20667), (349, 20676), (356, 20691), (389, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 26
Candidate Starts for Inspectinfecti_33:
(Start: 26 @28515 has 29 MA's), (74, 28638), (84, 28674), (100, 28734), (123, 28830), (151, 28941), (159, 28962), (192, 29064), (208, 29100), (293, 29316), (295, 29322), (302, 29337), (308, 29352), (320, 29388), (332, 29421), (333, 29424), (368, 29490),

Gene: Iracema64_27 Start: 18801, Stop: 20141, Start Num: 53
Candidate Starts for Iracema64_27:
(11, 18603), (16, 18660), (20, 18699), (22, 18732), (Start: 53 @18801 has 355 MA's), (58, 18813), (74, 18879), (78, 18897), (87, 18927), (140, 19146), (164, 19218), (178, 19263), (182, 19275), (240, 19419), (306, 19572), (346, 19674), (364, 19713), (387, 19758), (400, 19803), (406, 19845), (421, 19986), (422, 19998), (427, 20088), (428, 20094), (429, 20133),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 46
Candidate Starts for IronMan_29:
(Start: 46 @20734 has 280 MA's), (74, 20809), (78, 20827), (98, 20902), (133, 21043), (138, 21073), (149, 21109), (164, 21151), (195, 21241), (212, 21292), (271, 21418), (303, 21505), (345, 21607), (356, 21631),

Gene: Isca_26 Start: 18471, Stop: 19844, Start Num: 53
Candidate Starts for Isca_26:
(Start: 53 @18471 has 355 MA's), (74, 18549), (78, 18567), (87, 18597), (107, 18669), (164, 18888), (178, 18933), (182, 18945), (306, 19242), (334, 19323), (346, 19344), (387, 19434), (400, 19479), (411, 19545), (415, 19575), (417, 19635), (422, 19701), (424, 19728), (426, 19767), (427, 19791), (428, 19797),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 46
Candidate Starts for Isiphiwo_30:

(Start: 46 @18957 has 280 MA's), (67, 19011), (78, 19050), (107, 19155), (140, 19302), (149, 19332), (163, 19371), (164, 19374), (178, 19419), (200, 19479), (284, 19677), (345, 19827), (349, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Itos_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 46
Candidate Starts for Iwokeuplikedis_28:
(Start: 46 @18928 has 280 MA's), (74, 19003), (78, 19021), (98, 19096), (149, 19303), (164, 19345), (178, 19390), (212, 19480), (255, 19573), (309, 19708), (338, 19783), (345, 19795),

Gene: Izel_28 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for Izel_28:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: JF2_26 Start: 18222, Stop: 19595, Start Num: 53
Candidate Starts for JF2_26:
(Start: 53 @18222 has 355 MA's), (74, 18300), (78, 18318), (87, 18348), (107, 18420), (164, 18639), (165, 18642), (178, 18684), (182, 18696), (306, 18993), (334, 19074), (346, 19095), (387, 19185), (400, 19230), (415, 19326), (417, 19386), (422, 19452), (424, 19479), (426, 19518), (427, 19542), (428, 19548),

Gene: JF4_26 Start: 18222, Stop: 19595, Start Num: 53
Candidate Starts for JF4_26:
(Start: 53 @18222 has 355 MA's), (74, 18300), (78, 18318), (87, 18348), (107, 18420), (164, 18639), (165, 18642), (178, 18684), (182, 18696), (306, 18993), (334, 19074), (346, 19095), (387, 19185), (400, 19230), (415, 19326), (417, 19386), (422, 19452), (424, 19479), (426, 19518), (427, 19542), (428, 19548),

Gene: JHC117_28 Start: 19010, Stop: 20380, Start Num: 53
Candidate Starts for JHC117_28:
(Start: 53 @19010 has 355 MA's), (78, 19106), (85, 19130), (87, 19136), (142, 19361), (164, 19427), (182, 19484), (212, 19562), (270, 19694), (306, 19781), (364, 19922), (400, 20018), (405, 20060), (416, 20120), (419, 20192), (422, 20237), (426, 20303), (427, 20327), (428, 20333),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 32
Candidate Starts for JKSyngboy_31:
(Start: 32 @29254 has 53 MA's), (85, 29410), (93, 29440), (96, 29452), (100, 29464), (105, 29479), (108, 29491), (118, 29533), (150, 29647), (152, 29650), (166, 29686), (188, 29746), (198, 29770), (211, 29782), (238, 29842), (277, 29932), (309, 30022), (316, 30046), (321, 30058), (350, 30124), (358, 30139), (373, 30163), (379, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 50
Candidate Starts for JSwag_29:
(Start: 50 @18105 has 24 MA's), (85, 18219), (87, 18225), (88, 18228), (146, 18462), (251, 18729), (282, 18783), (345, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 46

Candidate Starts for Jaan_30:
(Start: 46 @21123 has 280 MA's), (74, 21198), (78, 21216), (98, 21291), (133, 21432), (138, 21462), (149, 21498), (164, 21540), (195, 21630), (208, 21666), (212, 21681), (271, 21807), (303, 21894), (345, 21996), (356, 22020),

Gene: Jabbawokkie_20 Start: 13336, Stop: 14265, Start Num: 42
Candidate Starts for Jabbawokkie_20:
(Start: 42 @13336 has 12 MA's), (68, 13396), (78, 13447), (106, 13546), (108, 13552), (113, 13567), (145, 13687), (155, 13705), (178, 13771), (183, 13783), (204, 13828), (225, 13867), (228, 13873), (238, 13897), (239, 13900), (240, 13903), (245, 13912), (246, 13915), (276, 13981), (282, 14002), (283, 14005), (296, 14041), (307, 14068), (308, 14071), (323, 14110), (329, 14128), (331, 14134), (350, 14170), (353, 14176), (367, 14200), (372, 14206), (375, 14212),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 32
Candidate Starts for Jabberwocky_32:
(Start: 32 @30402 has 53 MA's), (93, 30588), (96, 30600), (105, 30627), (110, 30648), (125, 30708), (150, 30795), (152, 30798), (166, 30834), (179, 30867), (186, 30882), (188, 30894), (206, 30924), (211, 30930), (238, 30990), (277, 31080), (309, 31170), (316, 31194), (321, 31206), (350, 31272), (379, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 53
Candidate Starts for Jabiru_23:
(Start: 53 @18016 has 355 MA's), (78, 18112), (87, 18145), (88, 18148), (98, 18187), (133, 18322), (138, 18352), (148, 18382), (149, 18388), (156, 18406), (164, 18430), (177, 18472), (246, 18643), (345, 18886), (389, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 46
Candidate Starts for Jabith_27:
(Start: 46 @19788 has 280 MA's), (67, 19845), (85, 19920), (117, 20049), (133, 20109), (148, 20169), (149, 20175), (164, 20217), (178, 20262), (180, 20268), (212, 20352), (230, 20385), (345, 20667), (349, 20676), (356, 20691), (389, 20757),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 36
Candidate Starts for Jambalaya_30:
(Start: 36 @24699 has 36 MA's), (74, 24804), (91, 24873), (93, 24879), (100, 24903), (105, 24918), (238, 25278), (245, 25293), (252, 25311), (293, 25413), (309, 25455), (321, 25491), (367, 25587), (390, 25638),

Gene: Jamzy_20 Start: 14144, Stop: 15103, Start Num: 49
Candidate Starts for Jamzy_20:
(Start: 49 @14144 has 68 MA's), (67, 14192), (68, 14195), (85, 14273), (122, 14408), (123, 14414), (141, 14483), (143, 14486), (151, 14510), (159, 14531), (174, 14570), (191, 14621), (238, 14723), (274, 14810), (308, 14906), (318, 14936), (321, 14945), (329, 14969), (347, 15002), (350, 15011), (353, 15017), (382, 15068), (388, 15089), (392, 15095),

Gene: Jaykayelowell_26 Start: 18486, Stop: 19826, Start Num: 53
Candidate Starts for Jaykayelowell_26:
(11, 18288), (16, 18345), (20, 18384), (22, 18417), (Start: 53 @18486 has 355 MA's), (58, 18498), (74, 18564), (78, 18582), (87, 18612), (140, 18831), (164, 18903), (178, 18948), (182, 18960), (240, 19104), (306, 19257), (346, 19359), (364, 19398), (387, 19443), (397, 19464), (400, 19488), (406, 19530), (421, 19671), (422, 19683), (427, 19773), (428, 19779), (429, 19818),

Gene: Jecs_19 Start: 16030, Stop: 16956, Start Num: 47

Candidate Starts for Jecs_19:
(6, 15781), (12, 15862), (15, 15898), (16, 15904), (Start: 32 @16012 has 53 MA's), (Start: 47 @16030 has 67 MA's), (Start: 56 @16039 has 6 MA's), (68, 16081), (Start: 70 @16093 has 1 MA's), (126, 16315), (139, 16360), (148, 16384), (154, 16390), (157, 16399), (159, 16405), (169, 16435), (180, 16465), (191, 16495), (194, 16501), (226, 16561), (228, 16564), (238, 16588), (264, 16645), (274, 16666), (296, 16732), (318, 16792), (323, 16801), (348, 16855), (388, 16939),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 46
Candidate Starts for Jeeves_26:
(Start: 46 @18193 has 280 MA's), (58, 18211), (67, 18247), (74, 18268), (78, 18286), (111, 18406), (140, 18538), (149, 18568), (163, 18607), (164, 18610), (178, 18655), (260, 18856), (262, 18862), (284, 18922), (345, 19072), (356, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 46
Candidate Starts for Jeffabunny_30:
(Start: 46 @18984 has 280 MA's), (58, 19002), (67, 19038), (78, 19077), (107, 19182), (149, 19359), (163, 19398), (164, 19401), (193, 19488), (200, 19509), (255, 19635), (284, 19707), (345, 19857), (349, 19866), (389, 19947),

Gene: JenCasNa_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for JenCasNa_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: JeppNRM_29 Start: 19088, Stop: 20461, Start Num: 53
Candidate Starts for JeppNRM_29:
(Start: 53 @19088 has 355 MA's), (78, 19184), (85, 19208), (87, 19214), (142, 19439), (164, 19505), (182, 19562), (212, 19640), (270, 19772), (306, 19859), (313, 19880), (364, 20000), (387, 20051), (400, 20096), (405, 20138), (408, 20147), (422, 20318), (426, 20384), (427, 20408), (428, 20414),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 46
Candidate Starts for Jerm_29:
(Start: 46 @19620 has 280 MA's), (74, 19695), (78, 19713), (88, 19749), (98, 19788), (149, 19995), (163, 20034), (164, 20037), (193, 20124), (271, 20304), (309, 20406), (338, 20481), (345, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 53
Candidate Starts for Jester_22:
(Start: 53 @15424 has 355 MA's), (64, 15463), (87, 15550), (106, 15619), (124, 15697), (131, 15724), (164, 15835), (216, 15931), (309, 16060), (315, 16078), (345, 16147), (401, 16285),

Gene: JetBlade_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for JetBlade_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (140, 18832), (164, 18904), (178, 18949), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 46
Candidate Starts for JewelBug_30:
(Start: 46 @18971 has 280 MA's), (67, 19025), (78, 19064), (107, 19169), (140, 19316), (149, 19346), (163, 19385), (164, 19388), (178, 19433), (200, 19493), (284, 19691), (345, 19841), (349, 19850),

Gene: Jiawan_28 Start: 20563, Stop: 21576, Start Num: 46
Candidate Starts for Jiawan_28:
(Start: 46 @20563 has 280 MA's), (58, 20581), (74, 20638), (78, 20656), (88, 20692), (133, 20872), (140, 20908), (149, 20938), (164, 20980), (222, 21139), (284, 21283), (309, 21346), (338, 21421), (345, 21433), (356, 21457),

Gene: Jobu08_28 Start: 19084, Stop: 20454, Start Num: 53
Candidate Starts for Jobu08_28:
(Start: 53 @19084 has 355 MA's), (78, 19180), (85, 19204), (87, 19210), (142, 19435), (164, 19501), (182, 19558), (212, 19636), (270, 19768), (306, 19855), (364, 19996), (400, 20092), (405, 20134), (416, 20194), (419, 20266), (422, 20311), (426, 20377), (427, 20401), (428, 20407),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for Jobypre_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 34
Candidate Starts for JoeDirt_17:
(24, 15803), (25, 15806), (Start: 34 @15839 has 9 MA's), (Start: 46 @15857 has 280 MA's), (60, 15881), (67, 15911), (71, 15926), (78, 15959), (119, 16103), (138, 16184), (163, 16259), (164, 16262), (166, 16268), (182, 16313), (192, 16340), (208, 16373), (209, 16379), (229, 16412), (233, 16421), (244, 16448), (291, 16568), (309, 16616), (318, 16643), (339, 16682), (342, 16688), (361, 16727),

Gene: JohnPork_30 Start: 24953, Stop: 25897, Start Num: 36
Candidate Starts for JohnPork_30:
(Start: 36 @24953 has 36 MA's), (74, 25058), (91, 25127), (93, 25133), (100, 25157), (105, 25172), (238, 25532), (245, 25547), (252, 25565), (293, 25667), (309, 25709), (321, 25745), (367, 25841), (390, 25892),

Gene: JoongJeon_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for JoongJeon_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 46
Candidate Starts for Jordennis_30:
(Start: 46 @18956 has 280 MA's), (67, 19010), (78, 19049), (107, 19154), (140, 19301), (149, 19331), (163, 19370), (164, 19373), (178, 19418), (200, 19478), (284, 19676), (345, 19826), (349, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 46
Candidate Starts for Joselito_27:
(Start: 46 @19736 has 280 MA's), (67, 19793), (85, 19868), (117, 19997), (133, 20057), (148, 20117), (149, 20123), (164, 20165), (178, 20210), (180, 20216), (212, 20300), (230, 20333), (345, 20615), (349, 20624), (356, 20639), (389, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 46
Candidate Starts for JoshKayV_29:

(Start: 46 @19590 has 280 MA's), (74, 19665), (78, 19683), (88, 19719), (98, 19758), (149, 19965), (163, 20004), (164, 20007), (193, 20094), (271, 20274), (309, 20376), (338, 20451), (345, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 46
Candidate Starts for Journey13_25:
(Start: 46 @18317 has 280 MA's), (74, 18392), (78, 18410), (88, 18446), (98, 18485), (140, 18662), (149, 18692), (164, 18734), (178, 18779), (212, 18869), (255, 18962), (309, 19097), (345, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 53
Candidate Starts for Jovo_23:
(Start: 53 @18755 has 355 MA's), (78, 18851), (87, 18884), (88, 18887), (98, 18926), (112, 18974), (149, 19127), (156, 19145), (164, 19169), (177, 19211), (303, 19523), (345, 19625), (358, 19652),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 46
Candidate Starts for Jsquared_26:
(Start: 46 @18082 has 280 MA's), (67, 18136), (74, 18157), (78, 18175), (98, 18250), (149, 18457), (163, 18496), (164, 18499), (178, 18544), (255, 18727), (309, 18862), (345, 18949),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 47
Candidate Starts for Jubie_18:
(Start: 47 @16491 has 67 MA's), (60, 16515), (71, 16560), (74, 16575), (78, 16596), (107, 16692), (140, 16827), (144, 16836), (163, 16896), (164, 16899), (166, 16905), (192, 16977), (208, 17010), (211, 17022), (244, 17085), (267, 17139), (276, 17160), (292, 17211), (309, 17253), (361, 17364), (363, 17367),

Gene: Juicebox_18 Start: 16606, Stop: 17736, Start Num: 35
Candidate Starts for Juicebox_18:
(Start: 35 @16606 has 2 MA's), (Start: 44 @16621 has 7 MA's), (67, 16678), (73, 16708), (75, 16717), (78, 16729), (133, 16921), (136, 16948), (148, 16981), (165, 17032), (187, 17107), (189, 17110), (193, 17119), (202, 17143), (217, 17188), (236, 17242), (252, 17281), (280, 17350), (297, 17398), (340, 17521), (344, 17527), (380, 17590),

Gene: Junimo_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Junimo_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: KADY_29 Start: 19096, Stop: 20466, Start Num: 53
Candidate Starts for KADY_29:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (364, 20008), (400, 20104), (405, 20146), (416, 20206), (419, 20278), (422, 20323), (426, 20389), (427, 20413), (428, 20419),

Gene: KFPoly_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for KFPoly_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Kachowdy_26 Start: 18590, Stop: 19963, Start Num: 53

Candidate Starts for Kachowdy_26:
(Start: 53 @18590 has 355 MA's), (74, 18668), (78, 18686), (87, 18716), (88, 18719), (107, 18788), (164, 19007), (165, 19010), (178, 19052), (182, 19064), (306, 19361), (334, 19442), (346, 19463), (387, 19553), (400, 19598), (405, 19640), (416, 19703), (417, 19754), (418, 19757), (422, 19820), (424, 19847), (426, 19886), (427, 19910), (428, 19916),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for Kahlid_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: Kalb97_29 Start: 19089, Stop: 20462, Start Num: 53
Candidate Starts for Kalb97_29:
(Start: 53 @19089 has 355 MA's), (78, 19185), (85, 19209), (87, 19215), (142, 19440), (164, 19506), (182, 19563), (212, 19641), (270, 19773), (306, 19860), (313, 19881), (364, 20001), (387, 20052), (400, 20097), (405, 20139), (408, 20148), (422, 20319), (426, 20385), (427, 20409), (428, 20415),

Gene: Kalnoky_29 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Kalnoky_29:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 46
Candidate Starts for Kalpine_30:
(Start: 46 @20976 has 280 MA's), (58, 20994), (74, 21051), (78, 21069), (88, 21105), (98, 21144), (149, 21351), (163, 21390), (164, 21393), (178, 21438), (200, 21498), (216, 21543), (255, 21624), (271, 21657), (345, 21846), (349, 21855), (356, 21870),

Gene: Kamaru_19 Start: 15501, Stop: 16424, Start Num: 54
Candidate Starts for Kamaru_19:
(Start: 54 @15501 has 16 MA's), (Start: 56 @15504 has 6 MA's), (60, 15516), (64, 15534), (75, 15579), (85, 15618), (96, 15657), (106, 15690), (108, 15696), (123, 15765), (137, 15819), (139, 15822), (140, 15825), (145, 15837), (155, 15855), (157, 15861), (159, 15867), (165, 15885), (186, 15939), (188, 15951), (191, 15957), (204, 15978), (228, 16026), (235, 16044), (238, 16050), (245, 16065), (246, 16068), (307, 16221), (308, 16224), (310, 16230), (323, 16263), (329, 16281), (347, 16314), (375, 16365), (382, 16380), (395, 16416),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 32
Candidate Starts for Kamashten_33:
(Start: 32 @29854 has 53 MA's), (93, 30040), (96, 30052), (105, 30079), (110, 30100), (125, 30160), (150, 30247), (152, 30250), (166, 30286), (179, 30319), (186, 30334), (188, 30346), (206, 30376), (211, 30382), (238, 30442), (277, 30532), (309, 30622), (316, 30646), (321, 30658), (350, 30724), (358, 30739), (373, 30763), (379, 30775),

Gene: Kampy_26 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for Kampy_26:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (397, 19466), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: Katalie136_26 Start: 18489, Stop: 19829, Start Num: 52
Candidate Starts for Katalie136_26:
(Start: 52 @18489 has 21 MA's), (74, 18567), (78, 18585), (140, 18834), (148, 18858), (164, 18906), (178, 18951), (182, 18963), (216, 19053), (306, 19260), (346, 19362), (364, 19401), (371, 19413), (400, 19491), (409, 19542), (411, 19551), (421, 19674), (422, 19686), (427, 19776), (429, 19821),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for KatherineG_29:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: KayGee_17 Start: 14465, Stop: 15421, Start Num: 49
Candidate Starts for KayGee_17:
(Start: 49 @14465 has 68 MA's), (66, 14510), (78, 14567), (85, 14594), (100, 14648), (108, 14675), (121, 14726), (122, 14729), (123, 14735), (124, 14738), (137, 14792), (143, 14807), (158, 14849), (159, 14852), (167, 14876), (174, 14891), (191, 14942), (238, 15038), (308, 15224), (318, 15254), (321, 15263), (329, 15287), (347, 15320), (388, 15407), (392, 15413),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 46
Candidate Starts for Kazan_30:
(Start: 46 @18972 has 280 MA's), (67, 19026), (78, 19065), (107, 19170), (140, 19317), (149, 19347), (163, 19386), (164, 19389), (178, 19434), (200, 19494), (284, 19692), (345, 19842), (349, 19851),

Gene: Keelan_50 Start: 26977, Stop: 27921, Start Num: 42
Candidate Starts for Keelan_50:
(Start: 42 @26977 has 12 MA's), (82, 27097), (106, 27187), (122, 27247), (137, 27307), (148, 27334), (158, 27361), (165, 27382), (167, 27388), (178, 27427), (183, 27439), (238, 27556), (239, 27559), (257, 27595), (299, 27706), (305, 27721), (318, 27760), (321, 27769), (324, 27778), (329, 27793), (370, 27868), (388, 27913),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 32
Candidate Starts for Keitabear_34:
(Start: 32 @31219 has 53 MA's), (93, 31405), (96, 31417), (105, 31444), (152, 31615), (166, 31651), (179, 31684), (186, 31699), (188, 31711), (206, 31741), (211, 31747), (238, 31807), (277, 31897), (309, 31987), (316, 32011), (321, 32023), (350, 32089), (358, 32104), (379, 32140),

Gene: KekoraPapaka_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for KekoraPapaka_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Kenna_18 Start: 15508, Stop: 16431, Start Num: 54
Candidate Starts for Kenna_18:
(Start: 54 @15508 has 16 MA's), (Start: 56 @15511 has 6 MA's), (60, 15523), (64, 15541), (75, 15586), (85, 15625), (96, 15664), (106, 15697), (108, 15703), (123, 15772), (137, 15826), (139, 15829), (140, 15832), (145, 15844), (155, 15862), (157, 15868), (159, 15874), (165, 15892), (186, 15946), (188, 15958), (191, 15964), (204, 15985), (228, 16033), (235, 16051), (238, 16057), (245, 16072), (246, 16075), (307, 16228), (308, 16231), (310, 16237), (323, 16270), (329, 16288), (347, 16321), (375, 16372), (382, 16387), (395, 16423),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 46

Candidate Starts for Kerberos_30:
(Start: 46 @19042 has 280 MA's), (74, 19117), (78, 19135), (121, 19306), (138, 19381), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 32
Candidate Starts for Kewpiedoll_33:
(Start: 32 @29261 has 53 MA's), (93, 29447), (96, 29459), (105, 29486), (110, 29507), (125, 29567), (152, 29657), (166, 29693), (179, 29726), (186, 29741), (188, 29753), (206, 29783), (211, 29789), (238, 29849), (277, 29939), (309, 30029), (316, 30053), (321, 30065), (350, 30131), (358, 30146), (373, 30170), (379, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 46
Candidate Starts for Keziacharles14_26:
(Start: 46 @18620 has 280 MA's), (67, 18674), (78, 18713), (117, 18869), (133, 18929), (140, 18965), (149, 18995), (161, 19028), (164, 19037), (178, 19082), (216, 19187), (260, 19283), (338, 19487), (345, 19499), (349, 19508), (356, 19523), (389, 19589),

Gene: Kiko_19 Start: 15761, Stop: 16708, Start Num: 47
Candidate Starts for Kiko_19:
(Start: 47 @15761 has 67 MA's), (58, 15779), (104, 15956), (123, 16037), (126, 16049), (139, 16094), (148, 16121), (154, 16127), (159, 16142), (180, 16202), (191, 16232), (194, 16238), (228, 16301), (282, 16436), (296, 16478), (307, 16505), (323, 16547), (324, 16550), (328, 16562), (348, 16601), (353, 16613), (370, 16637), (392, 16688),

Gene: Kimba_27 Start: 19788, Stop: 20810, Start Num: 46
Candidate Starts for Kimba_27:
(Start: 46 @19788 has 280 MA's), (67, 19845), (85, 19920), (117, 20049), (133, 20109), (148, 20169), (149, 20175), (164, 20217), (178, 20262), (180, 20268), (212, 20352), (230, 20385), (345, 20667), (349, 20676), (356, 20691), (389, 20757),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 36
Candidate Starts for KimmyK_32:
(Start: 36 @25634 has 36 MA's), (74, 25739), (91, 25808), (93, 25814), (100, 25838), (105, 25853), (238, 26213), (245, 26228), (252, 26246), (293, 26348), (309, 26390), (321, 26426), (367, 26522), (390, 26573),

Gene: Kimona_23 Start: 16478, Stop: 17866, Start Num: 53
Candidate Starts for Kimona_23:
(Start: 53 @16478 has 355 MA's), (74, 16556), (85, 16598), (87, 16604), (88, 16607), (117, 16724), (138, 16814), (140, 16820), (142, 16826), (164, 16892), (216, 17039), (270, 17180), (279, 17204), (306, 17267), (320, 17309), (380, 17438), (387, 17459), (400, 17504), (403, 17534), (406, 17549), (417, 17657), (418, 17660), (421, 17711), (422, 17723), (427, 17813), (428, 17819),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 46
Candidate Starts for KingCyrus_29:
(Start: 46 @19587 has 280 MA's), (74, 19662), (78, 19680), (88, 19716), (98, 19755), (149, 19962), (163, 20001), (164, 20004), (193, 20091), (271, 20271), (309, 20373), (338, 20448), (345, 20460),

Gene: Kingmustik0402_26 Start: 18482, Stop: 19822, Start Num: 53
Candidate Starts for Kingmustik0402_26:
(11, 18284), (16, 18341), (20, 18380), (22, 18413), (Start: 53 @18482 has 355 MA's), (58, 18494), (74, 18560), (78, 18578), (87, 18608), (117, 18731), (140, 18827), (164, 18899), (178, 18944), (182,

18956), (240, 19100), (306, 19253), (346, 19355), (364, 19394), (387, 19439), (397, 19460), (400, 19484), (406, 19526), (421, 19667), (422, 19679), (427, 19769), (428, 19775), (429, 19814),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for Kingsolomon_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Kinmap_26 Start: 18591, Stop: 19607, Start Num: 46
Candidate Starts for Kinmap_26:
(Start: 46 @18591 has 280 MA's), (74, 18666), (78, 18684), (88, 18720), (149, 18966), (164, 19008), (193, 19095), (200, 19116), (219, 19167), (246, 19221), (338, 19452), (356, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for Kipper29_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 47
Candidate Starts for KirDoubleO7_16:
(Start: 47 @16499 has 67 MA's), (60, 16523), (71, 16568), (74, 16583), (78, 16604), (107, 16700), (109, 16709), (140, 16835), (144, 16844), (163, 16904), (164, 16907), (166, 16913), (192, 16985), (208, 17018), (211, 17030), (244, 17093), (276, 17168), (292, 17219), (309, 17261), (361, 17372), (363, 17375),

Gene: KittenMittens_25 Start: 16525, Stop: 17892, Start Num: 53
Candidate Starts for KittenMittens_25:
(Start: 53 @16525 has 355 MA's), (74, 16603), (78, 16621), (87, 16651), (88, 16654), (117, 16774), (164, 16942), (177, 16984), (240, 17143), (303, 17290), (306, 17296), (324, 17350), (346, 17404), (362, 17440), (386, 17482), (387, 17488), (400, 17533), (407, 17578), (417, 17683), (422, 17749), (423, 17758), (424, 17776), (427, 17839), (428, 17845),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 41
Candidate Starts for KleverKiS_27:
(Start: 41 @21440 has 21 MA's), (76, 21542), (81, 21560), (85, 21575), (107, 21647), (129, 21734), (162, 21869), (163, 21872), (164, 21875), (187, 21944), (208, 21986), (209, 21992), (275, 22133), (281, 22154), (285, 22166), (336, 22289), (342, 22301),

Gene: Klodlith_27 Start: 18680, Stop: 19702, Start Num: 46
Candidate Starts for Klodlith_27:
(Start: 46 @18680 has 280 MA's), (58, 18698), (67, 18734), (78, 18773), (133, 18989), (140, 19025), (149, 19055), (164, 19097), (178, 19142), (216, 19247), (248, 19319), (260, 19343), (262, 19349), (338, 19547), (345, 19559), (349, 19568), (356, 19583), (389, 19649),

Gene: Koan_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Koan_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Koduck_28 Start: 18322, Stop: 19332, Start Num: 46
Candidate Starts for Koduck_28:
(Start: 46 @18322 has 280 MA's), (67, 18376), (74, 18397), (78, 18415), (98, 18490), (149, 18697), (163, 18736), (164, 18739), (255, 18967), (309, 19102), (338, 19177), (345, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 46
Candidate Starts for Koko_30:
(Start: 46 @19301 has 280 MA's), (58, 19319), (67, 19355), (78, 19394), (88, 19430), (107, 19499), (149, 19676), (163, 19715), (164, 19718), (193, 19805), (200, 19826), (255, 19952), (284, 20024), (345, 20174), (349, 20183), (389, 20264),

Gene: Koreni_25 Start: 18136, Stop: 19476, Start Num: 53
Candidate Starts for Koreni_25:
(11, 17938), (16, 17995), (20, 18034), (22, 18067), (Start: 53 @18136 has 355 MA's), (58, 18148), (74, 18214), (78, 18232), (87, 18262), (140, 18481), (164, 18553), (178, 18598), (182, 18610), (240, 18754), (306, 18907), (346, 19009), (364, 19048), (387, 19093), (397, 19114), (400, 19138), (406, 19180), (421, 19321), (422, 19333), (427, 19423), (428, 19429), (429, 19468),

Gene: Kratark_26 Start: 18485, Stop: 19825, Start Num: 53
Candidate Starts for Kratark_26:
(11, 18287), (16, 18344), (20, 18383), (22, 18416), (Start: 53 @18485 has 355 MA's), (58, 18497), (74, 18563), (78, 18581), (87, 18611), (140, 18830), (164, 18902), (178, 18947), (182, 18959), (240, 19103), (306, 19256), (346, 19358), (364, 19397), (387, 19442), (397, 19463), (400, 19487), (406, 19529), (421, 19670), (422, 19682), (427, 19772), (428, 19778), (429, 19817),

Gene: Kremtemulon_26 Start: 18538, Stop: 19878, Start Num: 53
Candidate Starts for Kremtemulon_26:
(11, 18340), (16, 18397), (20, 18436), (22, 18469), (Start: 53 @18538 has 355 MA's), (58, 18550), (74, 18616), (78, 18634), (87, 18664), (140, 18883), (164, 18955), (178, 19000), (182, 19012), (240, 19156), (306, 19309), (346, 19411), (364, 19450), (387, 19495), (397, 19516), (400, 19540), (406, 19582), (421, 19723), (422, 19735), (427, 19825), (428, 19831), (429, 19870),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 53
Candidate Starts for Krishelle_22:
(Start: 53 @15751 has 355 MA's), (64, 15790), (87, 15877), (106, 15946), (124, 16024), (131, 16051), (164, 16162), (216, 16258), (309, 16387), (315, 16405), (345, 16474), (401, 16612),

Gene: Kristoff_27 Start: 18625, Stop: 19989, Start Num: 53
Candidate Starts for Kristoff_27:
(20, 18523), (Start: 53 @18625 has 355 MA's), (74, 18703), (78, 18721), (87, 18751), (88, 18754), (109, 18832), (138, 18964), (164, 19042), (177, 19084), (303, 19390), (306, 19396), (321, 19441), (324, 19450), (346, 19501), (387, 19585), (400, 19630), (406, 19672), (409, 19681), (417, 19780), (422, 19846), (427, 19936), (428, 19942),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 32
Candidate Starts for Kroos_34:
(Start: 32 @29432 has 53 MA's), (85, 29588), (93, 29618), (96, 29630), (100, 29642), (105, 29657), (108, 29669), (152, 29828), (166, 29864), (188, 29924), (211, 29960), (238, 30020), (277, 30110), (309, 30200), (316, 30224), (321, 30236), (350, 30302), (358, 30317), (373, 30341), (379, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 46
Candidate Starts for Kropertea_17:

(Start: 46 @15715 has 280 MA's), (60, 15739), (66, 15766), (67, 15769), (71, 15784), (78, 15817), (107, 15913), (140, 16048), (144, 16057), (163, 16117), (164, 16120), (192, 16198), (197, 16213), (209, 16237), (244, 16306), (254, 16330), (267, 16360), (291, 16426), (309, 16474), (318, 16501), (361, 16585),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 47
Candidate Starts for Krypton555_18:
(Start: 47 @16428 has 67 MA's), (60, 16452), (71, 16497), (74, 16512), (78, 16533), (107, 16629), (140, 16764), (144, 16773), (163, 16833), (164, 16836), (166, 16842), (192, 16914), (208, 16947), (211, 16959), (244, 17022), (267, 17076), (276, 17097), (292, 17148), (309, 17190), (361, 17301), (363, 17304),

Gene: Kudefre_26 Start: 20872, Stop: 21783, Start Num: 44
Candidate Starts for Kudefre_26:
(Start: 44 @20872 has 7 MA's), (Start: 56 @20887 has 6 MA's), (131, 21178), (132, 21181), (156, 21280), (162, 21298), (164, 21304), (172, 21328), (208, 21415), (209, 21421), (232, 21469), (263, 21547), (265, 21550), (284, 21601), (305, 21655), (319, 21697), (337, 21733), (339, 21736), (347, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 37
Candidate Starts for Kumao_27:
(Start: 37 @20552 has 1 MA's), (62, 20600), (74, 20651), (85, 20693), (90, 20708), (98, 20735), (107, 20765), (140, 20906), (162, 20987), (163, 20990), (164, 20993), (166, 20999), (208, 21104), (209, 21110), (281, 21272), (292, 21305), (304, 21332), (320, 21380), (342, 21419), (360, 21455),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 26
Candidate Starts for Kwekel_31:
(Start: 26 @26508 has 29 MA's), (31, 26520), (Start: 41 @26541 has 21 MA's), (Start: 46 @26547 has 280 MA's), (63, 26586), (64, 26595), (74, 26631), (78, 26649), (81, 26658), (100, 26727), (123, 26823), (131, 26856), (180, 27024), (192, 27057), (208, 27093), (234, 27168), (280, 27273), (283, 27279), (295, 27309), (308, 27336), (320, 27372), (332, 27405), (368, 27474),

Gene: Kwobi_35 Start: 29418, Stop: 30374, Start Num: 32
Candidate Starts for Kwobi_35:
(Start: 32 @29418 has 53 MA's), (85, 29574), (93, 29604), (96, 29616), (100, 29628), (105, 29643), (108, 29655), (152, 29814), (166, 29850), (188, 29910), (211, 29946), (238, 30006), (277, 30096), (309, 30186), (316, 30210), (321, 30222), (350, 30288), (358, 30303), (373, 30327), (379, 30339),

Gene: Kyee_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Kyee_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 46
Candidate Starts for L5_27:
(Start: 46 @18333 has 280 MA's), (67, 18387), (74, 18408), (78, 18426), (98, 18501), (149, 18708), (163, 18747), (164, 18750), (255, 18978), (309, 19113), (338, 19188), (345, 19200),

Gene: LBerry_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for LBerry_28:

(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: LHTSCC_27 Start: 18801, Stop: 20141, Start Num: 53
Candidate Starts for LHTSCC_27:
(16, 18660), (19, 18690), (20, 18699), (22, 18732), (Start: 53 @18801 has 355 MA's), (74, 18879), (78, 18897), (87, 18927), (140, 19146), (164, 19218), (178, 19263), (182, 19275), (240, 19419), (303, 19566), (306, 19572), (346, 19674), (364, 19713), (400, 19803), (421, 19986), (422, 19998), (427, 20088), (428, 20094), (429, 20133),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 46
Candidate Starts for LadyBird_27:
(Start: 46 @19164 has 280 MA's), (67, 19218), (78, 19257), (98, 19332), (133, 19473), (149, 19539), (163, 19578), (164, 19581), (255, 19809), (309, 19944), (316, 19965), (338, 20019), (345, 20031), (389, 20121),

Gene: Lambert1_27 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Lambert1_27:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 46
Candidate Starts for Landor_28:
(Start: 46 @20775 has 280 MA's), (74, 20850), (78, 20868), (98, 20943), (133, 21084), (138, 21114), (149, 21150), (164, 21192), (195, 21282), (208, 21318), (212, 21333), (271, 21459), (303, 21546), (345, 21648), (356, 21672),

Gene: LappelDuVide_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for LappelDuVide_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 46
Candidate Starts for Larenn_28:
(Start: 46 @19455 has 280 MA's), (74, 19530), (78, 19548), (88, 19584), (98, 19623), (133, 19764), (149, 19830), (163, 19869), (164, 19872), (255, 20106), (316, 20262), (345, 20328), (356, 20352),

Gene: LarryKay_28 Start: 19098, Stop: 20468, Start Num: 53
Candidate Starts for LarryKay_28:
(Start: 53 @19098 has 355 MA's), (78, 19194), (85, 19218), (87, 19224), (142, 19449), (164, 19515), (182, 19572), (212, 19650), (270, 19782), (306, 19869), (364, 20010), (400, 20106), (405, 20148), (416, 20208), (419, 20280), (422, 20325), (426, 20391), (427, 20415), (428, 20421),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 50
Candidate Starts for LastResort_29:
(Start: 50 @18122 has 24 MA's), (85, 18236), (87, 18242), (88, 18245), (146, 18479), (251, 18746), (282, 18800), (345, 18956),

Gene: Lauer_16 Start: 14514, Stop: 15470, Start Num: 49
Candidate Starts for Lauer_16:
(Start: 49 @14514 has 68 MA's), (66, 14559), (78, 14616), (85, 14643), (100, 14697), (108, 14724), (121, 14775), (122, 14778), (123, 14784), (124, 14787), (137, 14841), (143, 14856), (159, 14901), (167, 14925), (174, 14940), (191, 14991), (238, 15087), (308, 15273), (318, 15303), (321, 15312), (347, 15369), (375, 15420), (388, 15456), (392, 15462),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 34
Candidate Starts for LeBron_17:
(Start: 34 @15873 has 9 MA's), (Start: 46 @15891 has 280 MA's), (60, 15915), (67, 15945), (71, 15960), (78, 15993), (119, 16137), (138, 16218), (163, 16293), (164, 16296), (166, 16302), (182, 16347), (192, 16374), (208, 16407), (209, 16413), (229, 16446), (233, 16455), (244, 16482), (291, 16602), (309, 16650), (339, 16716), (342, 16722), (361, 16761),

Gene: Lederberg_16 Start: 15138, Stop: 16304, Start Num: 46
Candidate Starts for Lederberg_16:
(Start: 46 @15138 has 280 MA's), (85, 15267), (162, 15549), (172, 15579), (180, 15606), (196, 15648), (213, 15693), (243, 15783), (263, 15831), (269, 15846), (280, 15879), (287, 15897), (290, 15906), (301, 15939), (335, 16038), (339, 16050), (351, 16074), (380, 16131), (398, 16179), (402, 16227), (404, 16236), (408, 16251), (410, 16263), (412, 16269), (414, 16293),

Gene: Lemur_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Lemur_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 32
Candidate Starts for Lennon_34:
(Start: 32 @31006 has 53 MA's), (93, 31192), (96, 31204), (105, 31231), (110, 31252), (125, 31312), (150, 31399), (152, 31402), (166, 31438), (179, 31471), (186, 31486), (188, 31498), (206, 31528), (211, 31534), (238, 31594), (277, 31684), (309, 31774), (316, 31798), (321, 31810), (350, 31876), (379, 31927), (390, 31957),

Gene: LeoAvram_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for LeoAvram_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (309, 19267), (346, 19360), (364, 19399), (387, 19444), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 46
Candidate Starts for Leogania_29:
(Start: 46 @21323 has 280 MA's), (74, 21398), (78, 21416), (88, 21452), (98, 21491), (140, 21668), (149, 21698), (163, 21737), (164, 21740), (255, 21968), (309, 22103), (338, 22178), (345, 22190), (389, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 26
Candidate Starts for Leonard_32:
(Start: 26 @28151 has 29 MA's), (74, 28274), (84, 28310), (100, 28370), (123, 28466), (151, 28577), (159, 28598), (192, 28700), (199, 28721), (208, 28736), (227, 28793), (249, 28844), (293, 28952), (295, 28958), (302, 28973), (309, 28991), (320, 29024), (332, 29057), (333, 29060), (368, 29126),

Gene: Leroy_19 Start: 15515, Stop: 16438, Start Num: 54
Candidate Starts for Leroy_19:
(Start: 54 @15515 has 16 MA's), (Start: 56 @15518 has 6 MA's), (60, 15530), (64, 15548), (75, 15593), (85, 15632), (96, 15671), (106, 15704), (108, 15710), (123, 15779), (139, 15836), (140, 15839), (145, 15851), (157, 15875), (159, 15881), (165, 15899), (186, 15953), (188, 15965), (191, 15971), (204, 15992), (228, 16040), (235, 16058), (238, 16064), (245, 16079), (246, 16082), (307, 16235), (308, 16238), (310, 16244), (323, 16277), (329, 16295), (347, 16328), (375, 16379), (382, 16394), (395, 16430),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 53
Candidate Starts for Lev2_23:
(Start: 53 @18467 has 355 MA's), (78, 18563), (87, 18596), (88, 18599), (98, 18638), (112, 18686), (149, 18839), (156, 18857), (164, 18881), (177, 18923), (303, 19235), (345, 19337), (358, 19364), (389, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 46
Candidate Starts for Leviathan_29:
(Start: 46 @19676 has 280 MA's), (74, 19751), (78, 19769), (88, 19805), (98, 19844), (149, 20051), (163, 20090), (164, 20093), (193, 20180), (271, 20360), (309, 20462), (338, 20537), (345, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Lewan_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 47
Candidate Starts for LilDestine_17:
(Start: 47 @16073 has 67 MA's), (60, 16097), (67, 16127), (101, 16253), (119, 16325), (162, 16478), (163, 16481), (164, 16484), (175, 16514), (196, 16571), (208, 16595), (209, 16601), (244, 16670), (249, 16688), (259, 16709), (285, 16775), (309, 16838), (361, 16967), (366, 16979),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 32
Candidate Starts for LilHam_31:
(Start: 32 @28021 has 53 MA's), (93, 28207), (96, 28219), (100, 28231), (105, 28246), (108, 28258), (116, 28285), (118, 28300), (125, 28327), (152, 28417), (166, 28453), (188, 28513), (198, 28537), (211, 28549), (238, 28609), (277, 28699), (309, 28789), (316, 28813), (321, 28825), (350, 28891), (358, 28906), (373, 28930), (379, 28942),

Gene: LilJank_27 Start: 22752, Stop: 23663, Start Num: 44
Candidate Starts for LilJank_27:
(Start: 35 @22737 has 2 MA's), (Start: 44 @22752 has 7 MA's), (67, 22809), (74, 22839), (95, 22917), (107, 22953), (123, 23028), (132, 23061), (140, 23097), (162, 23178), (163, 23181), (172, 23208), (175, 23214), (185, 23241), (209, 23301), (211, 23307), (265, 23430), (267, 23433), (276, 23454), (285, 23484), (289, 23493), (304, 23532), (305, 23535), (319, 23577), (329, 23592), (331, 23598), (339, 23616), (347, 23631),

Gene: LilSpotty_16 Start: 13314, Stop: 14294, Start Num: 27
Candidate Starts for LilSpotty_16:
(Start: 27 @13314 has 1 MA's), (58, 13371), (64, 13392), (74, 13434), (78, 13455), (85, 13479), (106, 13554), (145, 13695), (164, 13740), (169, 13755), (174, 13764), (191, 13815), (210, 13860), (245, 13941), (260, 13974), (277, 14016), (285, 14040), (298, 14073), (308, 14103), (309, 14106), (318,

14133), (321, 14142), (325, 14157), (329, 14166),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 46
Candidate Starts for LilTurb_29:
(Start: 46 @19679 has 280 MA's), (74, 19754), (78, 19772), (88, 19808), (98, 19847), (149, 20054), (163, 20093), (164, 20096), (193, 20183), (271, 20363), (309, 20465), (338, 20540), (345, 20552),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 23
Candidate Starts for Lilbeanie_29:
(Start: 23 @23420 has 1 MA's), (28, 23426), (Start: 46 @23471 has 280 MA's), (61, 23504), (84, 23594), (118, 23729), (123, 23750), (192, 23984), (208, 24020), (220, 24056), (254, 24143), (278, 24206), (283, 24221), (295, 24251), (326, 24332), (332, 24347), (333, 24350), (368, 24422),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for Lilbunny_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831), (349, 19840), (389, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for LilhomieP_26:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Lilith_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for Lilith_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: Lilleskat_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for Lilleskat_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Lillie_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 46
Candidate Starts for LionsBait_28:
(Start: 46 @20953 has 280 MA's), (67, 21007), (74, 21028), (78, 21046), (98, 21121), (149, 21328), (164, 21370), (212, 21505), (255, 21598), (271, 21631), (309, 21733), (338, 21808), (345, 21820), (389, 21910),

Gene: LitninMcQueen_19 Start: 15502, Stop: 16425, Start Num: 54
Candidate Starts for LitninMcQueen_19:
(Start: 54 @15502 has 16 MA's), (Start: 56 @15505 has 6 MA's), (60, 15517), (64, 15535), (75, 15580), (85, 15619), (96, 15658), (106, 15691), (108, 15697), (123, 15766), (137, 15820), (139, 15823), (140,

15826), (145, 15838), (155, 15856), (157, 15862), (159, 15868), (165, 15886), (186, 15940), (188, 15952), (191, 15958), (204, 15979), (228, 16027), (235, 16045), (238, 16051), (245, 16066), (246, 16069), (307, 16222), (308, 16225), (310, 16231), (323, 16264), (329, 16282), (347, 16315), (375, 16366), (382, 16381), (395, 16417),

Gene: LittleB_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for LittleB_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 53
Candidate Starts for LittleCherry_23:
(Start: 53 @18649 has 355 MA's), (78, 18745), (87, 18778), (88, 18781), (133, 18955), (148, 19015), (149, 19021), (156, 19039), (164, 19063), (177, 19105), (303, 19417), (345, 19519), (389, 19609),

Gene: LittleGuy_26 Start: 18433, Stop: 19773, Start Num: 53
Candidate Starts for LittleGuy_26:
(11, 18235), (16, 18292), (20, 18331), (22, 18364), (Start: 53 @18433 has 355 MA's), (58, 18445), (74, 18511), (78, 18529), (87, 18559), (117, 18682), (140, 18778), (164, 18850), (178, 18895), (182, 18907), (240, 19051), (306, 19204), (346, 19306), (364, 19345), (387, 19390), (400, 19435), (406, 19477), (421, 19618), (422, 19630), (427, 19720), (428, 19726), (429, 19765),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for LiyuLake_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (109, 16700), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 47
Candidate Starts for Loadrie_17:
(Start: 47 @16106 has 67 MA's), (60, 16130), (67, 16160), (101, 16286), (119, 16358), (162, 16511), (163, 16514), (164, 16517), (175, 16547), (196, 16604), (208, 16628), (209, 16634), (244, 16703), (249, 16721), (259, 16742), (281, 16796), (285, 16808), (309, 16871), (361, 17000), (366, 17012),

Gene: LochMonster_26 Start: 18465, Stop: 19805, Start Num: 53
Candidate Starts for LochMonster_26:
(16, 18324), (19, 18354), (20, 18363), (22, 18396), (Start: 53 @18465 has 355 MA's), (58, 18477), (74, 18543), (78, 18561), (87, 18591), (140, 18810), (164, 18882), (178, 18927), (182, 18939), (240, 19083), (306, 19236), (346, 19338), (364, 19377), (387, 19422), (400, 19467), (406, 19509), (421, 19650), (422, 19662), (427, 19752), (428, 19758), (429, 19797),

Gene: LogiBear_29 Start: 19415, Stop: 20419, Start Num: 50
Candidate Starts for LogiBear_29:
(Start: 50 @19415 has 24 MA's), (85, 19532), (87, 19538), (88, 19541), (146, 19775), (187, 19904), (260, 20063), (311, 20195), (345, 20276), (349, 20285), (389, 20366),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 46
Candidate Starts for Lokk_30:
(Start: 46 @20830 has 280 MA's), (78, 20923), (88, 20959), (98, 20998), (149, 21205), (163, 21244), (164, 21247), (178, 21292), (255, 21475), (271, 21508), (309, 21610), (338, 21685), (345, 21697),

(389, 21787),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 47
Candidate Starts for Lolly9_18:
(Start: 47 @16308 has 67 MA's), (60, 16332), (71, 16377), (74, 16392), (78, 16413), (107, 16509), (140, 16644), (144, 16653), (163, 16713), (164, 16716), (166, 16722), (192, 16794), (208, 16827), (211, 16839), (244, 16902), (265, 16953), (276, 16977), (292, 17028), (309, 17070), (361, 17181), (363, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 45
Candidate Starts for LoneWolf_28:
(Start: 45 @20332 has 1 MA's), (58, 20350), (64, 20377), (74, 20407), (78, 20425), (88, 20461), (102, 20515), (133, 20641), (140, 20677), (149, 20707), (164, 20749), (222, 20908), (255, 20980), (284, 21052), (338, 21190), (345, 21202), (349, 21211), (356, 21226),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 50
Candidate Starts for Looper_30:
(Start: 50 @18119 has 24 MA's), (85, 18233), (87, 18239), (88, 18242), (146, 18476), (251, 18743), (282, 18797), (345, 18953),

Gene: Lorenzo_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Lorenzo_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 46
Candidate Starts for Loser_30:
(Start: 46 @20932 has 280 MA's), (58, 20950), (74, 21007), (78, 21025), (88, 21061), (98, 21100), (149, 21307), (163, 21346), (164, 21349), (178, 21394), (216, 21499), (255, 21580), (271, 21613), (303, 21700), (345, 21802), (349, 21811),

Gene: Louie6_28 Start: 19099, Stop: 20469, Start Num: 53
Candidate Starts for Louie6_28:
(Start: 53 @19099 has 355 MA's), (78, 19195), (85, 19219), (87, 19225), (142, 19450), (164, 19516), (182, 19573), (212, 19651), (270, 19783), (306, 19870), (364, 20011), (400, 20107), (405, 20149), (416, 20209), (419, 20281), (422, 20326), (426, 20392), (427, 20416), (428, 20422),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 32
Candidate Starts for Love_37:
(Start: 32 @30788 has 53 MA's), (93, 30974), (96, 30986), (105, 31013), (110, 31034), (125, 31094), (150, 31181), (152, 31184), (166, 31220), (179, 31253), (186, 31268), (188, 31280), (206, 31310), (211, 31316), (238, 31376), (277, 31466), (294, 31517), (309, 31556), (316, 31580), (321, 31592), (350, 31658), (373, 31697), (379, 31709), (390, 31739),

Gene: Lowa_28 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for Lowa_28:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 46

Candidate Starts for Luchador_28:
(Start: 46 @19388 has 280 MA's), (58, 19406), (67, 19442), (74, 19463), (78, 19481), (107, 19586), (111, 19601), (140, 19733), (148, 19757), (149, 19763), (163, 19802), (164, 19805), (178, 19850), (212, 19943), (246, 20015), (260, 20051), (262, 20057), (284, 20117), (345, 20267), (356, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 46
Candidate Starts for Lucivia_27:
(Start: 46 @19785 has 280 MA's), (67, 19842), (85, 19917), (117, 20046), (133, 20106), (148, 20166), (149, 20172), (164, 20214), (178, 20259), (180, 20265), (212, 20349), (230, 20382), (345, 20664), (349, 20673), (356, 20688), (389, 20754),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 46
Candidate Starts for Lucyedi_28:
(Start: 46 @19862 has 280 MA's), (58, 19880), (78, 19955), (98, 20030), (116, 20093), (149, 20237), (163, 20276), (164, 20279), (193, 20366), (296, 20618), (303, 20633), (316, 20669), (345, 20735), (353, 20753), (356, 20759),

Gene: LugYA_30 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for LugYA_30:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 47
Candidate Starts for Lumos_18:
(Start: 47 @16487 has 67 MA's), (60, 16511), (71, 16556), (74, 16571), (78, 16592), (107, 16688), (140, 16823), (144, 16832), (163, 16892), (164, 16895), (166, 16901), (192, 16973), (208, 17006), (211, 17018), (244, 17081), (267, 17135), (276, 17156), (292, 17207), (309, 17249), (361, 17360), (363, 17363),

Gene: Lunsford_27 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Lunsford_27:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Lutum_19 Start: 15511, Stop: 16431, Start Num: 56
Candidate Starts for Lutum_19:
(Start: 54 @15508 has 16 MA's), (Start: 56 @15511 has 6 MA's), (60, 15523), (64, 15541), (75, 15586), (85, 15625), (96, 15664), (106, 15697), (108, 15703), (123, 15772), (137, 15826), (139, 15829), (140, 15832), (145, 15844), (155, 15862), (157, 15868), (159, 15874), (165, 15892), (186, 15946), (188, 15958), (191, 15964), (204, 15985), (228, 16033), (235, 16051), (238, 16057), (245, 16072), (246, 16075), (307, 16228), (308, 16231), (310, 16237), (323, 16270), (329, 16288), (347, 16321), (375, 16372), (382, 16387), (395, 16423),

Gene: Lynnae_17 Start: 16062, Stop: 16976, Start Num: 47
Candidate Starts for Lynnae_17:
(Start: 47 @16062 has 67 MA's), (60, 16086), (67, 16116), (101, 16242), (119, 16314), (162, 16467), (163, 16470), (164, 16473), (175, 16503), (196, 16560), (208, 16584), (209, 16590), (244, 16659), (249, 16677), (259, 16698), (281, 16752), (285, 16764), (309, 16827), (361, 16956), (366, 16968),

Gene: MA5_26 Start: 18153, Stop: 19526, Start Num: 53

Candidate Starts for MA5_26:
(Start: 53 @18153 has 355 MA's), (74, 18231), (78, 18249), (87, 18279), (164, 18570), (165, 18573), (178, 18615), (182, 18627), (230, 18744), (306, 18924), (346, 19026), (387, 19116), (400, 19161), (405, 19203), (415, 19257), (416, 19266), (417, 19317), (419, 19338), (422, 19383), (424, 19410), (426, 19449), (427, 19473), (428, 19479),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for MAckerman_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: MAnor_17 Start: 14472, Stop: 15428, Start Num: 49
Candidate Starts for MAnor_17:
(Start: 49 @14472 has 68 MA's), (66, 14517), (100, 14655), (108, 14682), (121, 14733), (122, 14736), (123, 14742), (124, 14745), (143, 14814), (159, 14859), (167, 14883), (174, 14898), (191, 14949), (238, 15045), (307, 15228), (308, 15231), (318, 15261), (321, 15270), (347, 15327), (375, 15378), (388, 15414), (392, 15420),

Gene: MK4_26 Start: 18456, Stop: 19829, Start Num: 53
Candidate Starts for MK4_26:
(Start: 53 @18456 has 355 MA's), (74, 18534), (78, 18552), (87, 18582), (107, 18654), (164, 18873), (165, 18876), (178, 18918), (182, 18930), (306, 19227), (334, 19308), (346, 19329), (387, 19419), (400, 19464), (415, 19560), (417, 19620), (422, 19686), (424, 19713), (426, 19752), (427, 19776), (428, 19782),

Gene: MScarn_19 Start: 14397, Stop: 15368, Start Num: 49
Candidate Starts for MScarn_19:
(Start: 49 @14397 has 68 MA's), (66, 14442), (71, 14463), (85, 14526), (91, 14550), (100, 14580), (121, 14658), (123, 14667), (124, 14670), (141, 14736), (159, 14784), (175, 14826), (191, 14874), (215, 14925), (238, 14985), (245, 15000), (246, 15003), (255, 15027), (282, 15099), (289, 15117), (307, 15168), (308, 15171), (318, 15201), (321, 15210), (325, 15225), (353, 15282), (381, 15330), (388, 15354), (392, 15360),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 46
Candidate Starts for MaCh_27:
(Start: 46 @19727 has 280 MA's), (67, 19784), (85, 19859), (117, 19988), (133, 20048), (148, 20108), (149, 20114), (164, 20156), (178, 20201), (180, 20207), (212, 20291), (230, 20324), (345, 20606), (349, 20615), (356, 20630), (389, 20696),

Gene: MaVan_19 Start: 15745, Stop: 16710, Start Num: 49
Candidate Starts for MaVan_19:
(Start: 49 @15745 has 68 MA's), (66, 15790), (74, 15826), (78, 15847), (85, 15874), (100, 15928), (121, 16009), (123, 16018), (124, 16021), (141, 16090), (159, 16138), (191, 16228), (198, 16243), (221, 16282), (282, 16438), (307, 16504), (308, 16507), (309, 16510), (318, 16537), (321, 16546), (329, 16570), (347, 16603), (355, 16621), (378, 16666), (388, 16696), (392, 16702),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 46
Candidate Starts for Mabel_27:
(Start: 46 @19788 has 280 MA's), (67, 19845), (85, 19920), (117, 20049), (133, 20109), (148, 20169), (149, 20175), (164, 20217), (178, 20262), (180, 20268), (212, 20352), (230, 20385), (345, 20667), (349, 20676), (356, 20691), (389, 20757),

Gene: MadMarie_28 Start: 19014, Stop: 20384, Start Num: 53
Candidate Starts for MadMarie_28:
(Start: 53 @19014 has 355 MA's), (78, 19110), (85, 19134), (87, 19140), (142, 19365), (164, 19431), (182, 19488), (212, 19566), (270, 19698), (306, 19785), (364, 19926), (400, 20022), (405, 20064), (416, 20124), (419, 20196), (422, 20241), (426, 20307), (427, 20331), (428, 20337),

Gene: MagicMan_18 Start: 16039, Stop: 16965, Start Num: 47
Candidate Starts for MagicMan_18:
(14, 15904), (15, 15907), (Start: 32 @16021 has 53 MA's), (Start: 47 @16039 has 67 MA's), (Start: 56 @16048 has 6 MA's), (68, 16090), (Start: 70 @16102 has 1 MA's), (126, 16324), (139, 16369), (148, 16393), (154, 16399), (157, 16408), (159, 16414), (169, 16444), (180, 16474), (191, 16504), (194, 16510), (226, 16570), (228, 16573), (238, 16597), (264, 16654), (274, 16675), (296, 16741), (323, 16810), (388, 16948),

Gene: Mainiac_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for Mainiac_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 46
Candidate Starts for MajorMajor_26:
(Start: 46 @18067 has 280 MA's), (67, 18121), (74, 18142), (78, 18160), (98, 18235), (149, 18442), (163, 18481), (164, 18484), (178, 18529), (255, 18712), (271, 18745), (309, 18847), (345, 18934), (389, 19024),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 46
Candidate Starts for Malec_28:
(Start: 46 @19460 has 280 MA's), (74, 19535), (78, 19553), (88, 19589), (98, 19628), (133, 19769), (149, 19835), (163, 19874), (164, 19877), (255, 20111), (316, 20267), (345, 20333), (356, 20357),

Gene: Malinsilva_30 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for Malinsilva_30:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: Malisha_20 Start: 17283, Stop: 18203, Start Num: 56
Candidate Starts for Malisha_20:
(Start: 54 @17280 has 16 MA's), (Start: 56 @17283 has 6 MA's), (60, 17295), (64, 17313), (75, 17358), (78, 17373), (83, 17385), (85, 17397), (96, 17436), (106, 17469), (123, 17544), (137, 17598), (139, 17601), (140, 17604), (145, 17616), (155, 17634), (157, 17640), (159, 17646), (186, 17718), (188, 17730), (191, 17736), (204, 17757), (228, 17805), (238, 17829), (245, 17844), (246, 17847), (271, 17901), (307, 18000), (308, 18003), (310, 18009), (323, 18042), (328, 18057), (329, 18060), (348, 18096), (375, 18144),

Gene: Malvina_19 Start: 15630, Stop: 16595, Start Num: 49
Candidate Starts for Malvina_19:
(21, 15555), (Start: 49 @15630 has 68 MA's), (66, 15675), (78, 15732), (85, 15759), (100, 15813), (121, 15894), (123, 15903), (124, 15906), (137, 15963), (159, 16023), (165, 16041), (191, 16113), (198, 16128), (225, 16179), (226, 16182), (274, 16296), (282, 16323), (300, 16374), (308, 16392), (309, 16395), (318, 16422), (321, 16431), (329, 16455), (347, 16488), (355, 16506), (378, 16551),

(388, 16581),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 46
Candidate Starts for Maminiaina_28:
(Start: 46 @20271 has 280 MA's), (58, 20289), (74, 20346), (78, 20364), (88, 20400), (133, 20580), (140, 20616), (149, 20646), (164, 20688), (222, 20847), (260, 20934), (272, 20961), (345, 21150), (356, 21174),

Gene: Manu_29 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Manu_29:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: MarQuardt_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for MarQuardt_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: Marchesa_26 Start: 18588, Stop: 19961, Start Num: 53
Candidate Starts for Marchesa_26:
(Start: 53 @18588 has 355 MA's), (74, 18666), (78, 18684), (87, 18714), (88, 18717), (107, 18786), (164, 19005), (165, 19008), (178, 19050), (182, 19062), (306, 19359), (334, 19440), (346, 19461), (387, 19551), (400, 19596), (405, 19638), (416, 19701), (417, 19752), (418, 19755), (422, 19818), (424, 19845), (426, 19884), (427, 19908), (428, 19914),

Gene: Margaret_20 Start: 14513, Stop: 15472, Start Num: 49
Candidate Starts for Margaret_20:
(21, 14438), (Start: 49 @14513 has 68 MA's), (60, 14534), (67, 14561), (68, 14564), (123, 14783), (137, 14840), (158, 14897), (159, 14900), (191, 14990), (224, 15059), (238, 15092), (299, 15251), (307, 15272), (308, 15275), (318, 15305), (321, 15314), (323, 15320), (329, 15338), (347, 15371), (350, 15380), (353, 15386), (382, 15437), (388, 15458), (392, 15464),

Gene: Margo_27 Start: 19111, Stop: 20484, Start Num: 53
Candidate Starts for Margo_27:
(Start: 53 @19111 has 355 MA's), (74, 19189), (78, 19207), (85, 19231), (88, 19240), (109, 19318), (164, 19528), (165, 19531), (178, 19573), (182, 19585), (212, 19663), (306, 19882), (346, 19984), (387, 20074), (400, 20119), (405, 20161), (416, 20224), (417, 20275), (422, 20341), (424, 20368), (426, 20407), (427, 20431), (428, 20437),

Gene: Marie_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for Marie_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: Marius_29 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Marius_29:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 53
Candidate Starts for MarysWell_22:
(Start: 53 @18617 has 355 MA's), (78, 18713), (87, 18746), (88, 18749), (98, 18788), (133, 18923), (148, 18983), (149, 18989), (156, 19007), (164, 19031), (177, 19073), (303, 19385), (345, 19487), (358, 19514), (389, 19577),

Gene: Maverick_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Maverick_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (279, 19198), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Maxo_26 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for Maxo_26:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (397, 19466), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: Mayonnaise_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Mayonnaise_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Mayweather_18 Start: 15087, Stop: 16043, Start Num: 49
Candidate Starts for Mayweather_18:
(Start: 49 @15087 has 68 MA's), (66, 15132), (85, 15216), (100, 15270), (108, 15297), (121, 15348), (122, 15351), (123, 15357), (124, 15360), (143, 15429), (159, 15474), (167, 15498), (191, 15564), (238, 15660), (307, 15843), (308, 15846), (318, 15876), (321, 15885), (347, 15942), (375, 15993), (388, 16029), (392, 16035),

Gene: Mazhar510_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Mazhar510_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (117, 18740), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: McCrothy_34 Start: 30596, Stop: 31552, Start Num: 32
Candidate Starts for McCrothy_34:
(Start: 32 @30596 has 53 MA's), (93, 30782), (96, 30794), (105, 30821), (110, 30842), (125, 30902), (150, 30989), (152, 30992), (166, 31028), (179, 31061), (186, 31076), (188, 31088), (206, 31118), (211, 31124), (238, 31184), (277, 31274), (294, 31325), (309, 31364), (316, 31388), (321, 31400), (350, 31466), (373, 31505), (379, 31517), (390, 31547),

Gene: McDazzle_16 Start: 14934, Stop: 15890, Start Num: 49
Candidate Starts for McDazzle_16:
(Start: 49 @14934 has 68 MA's), (66, 14979), (85, 15063), (100, 15117), (108, 15144), (121, 15195), (122, 15198), (123, 15204), (124, 15207), (137, 15261), (143, 15276), (158, 15318), (159, 15321), (167, 15345), (191, 15411), (238, 15507), (307, 15690), (308, 15693), (318, 15723), (321, 15732),

(347, 15789), (375, 15840), (388, 15876), (392, 15882),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for McFly_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 32
Candidate Starts for McKinley_36:
(Start: 32 @30814 has 53 MA's), (93, 31000), (96, 31012), (105, 31039), (110, 31060), (125, 31120), (150, 31207), (152, 31210), (166, 31246), (179, 31279), (186, 31294), (188, 31306), (206, 31336), (211, 31342), (238, 31402), (277, 31492), (309, 31582), (316, 31606), (321, 31618), (350, 31684), (373, 31723), (379, 31735),

Gene: Medusa_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Medusa_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: MeeZee_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for MeeZee_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: MegTheThird_26 Start: 18672, Stop: 19694, Start Num: 46
Candidate Starts for MegTheThird_26:
(Start: 46 @18672 has 280 MA's), (74, 18747), (78, 18765), (88, 18801), (117, 18921), (133, 18981), (140, 19017), (149, 19047), (164, 19089), (216, 19239), (242, 19290), (260, 19335), (262, 19341), (284, 19401), (298, 19437), (345, 19551),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 26
Candidate Starts for MelBins_33:
(Start: 26 @28300 has 29 MA's), (74, 28423), (84, 28459), (100, 28519), (123, 28615), (151, 28726), (159, 28747), (192, 28849), (208, 28885), (249, 28993), (293, 29101), (295, 29107), (302, 29122), (308, 29137), (320, 29173), (332, 29206), (333, 29209), (368, 29275),

Gene: Melvin_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Melvin_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Methuselah_27 Start: 19095, Stop: 20465, Start Num: 53
Candidate Starts for Methuselah_27:
(Start: 53 @19095 has 355 MA's), (78, 19191), (85, 19215), (87, 19221), (142, 19446), (164, 19512), (182, 19569), (212, 19647), (270, 19779), (306, 19866), (364, 20007), (400, 20103), (405, 20145), (416, 20205), (419, 20277), (422, 20322), (426, 20388), (427, 20412), (428, 20418),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 53
Candidate Starts for Micasa_23:
(Start: 53 @18623 has 355 MA's), (78, 18719), (87, 18752), (88, 18755), (98, 18794), (133, 18929), (148, 18989), (149, 18995), (156, 19013), (164, 19037), (177, 19079), (303, 19391), (345, 19493), (389, 19583),

Gene: Microwolf_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for Microwolf_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 46
Candidate Starts for MiculUcigas_27:
(Start: 46 @19200 has 280 MA's), (74, 19275), (78, 19293), (88, 19329), (98, 19368), (140, 19545), (149, 19575), (163, 19614), (164, 19617), (345, 20073), (356, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 39
Candidate Starts for MicyPS_16:
(Start: 39 @16526 has 3 MA's), (72, 16607), (107, 16739), (125, 16817), (127, 16829), (133, 16853), (156, 16934), (157, 16937), (166, 16964), (184, 17012), (190, 17033), (197, 17051), (209, 17075), (211, 17081), (261, 17168), (274, 17195), (315, 17315), (339, 17363), (342, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 53
Candidate Starts for Midas2_23:
(Start: 53 @18617 has 355 MA's), (78, 18713), (87, 18746), (88, 18749), (98, 18788), (133, 18923), (148, 18983), (149, 18989), (156, 19007), (164, 19031), (177, 19073), (303, 19385), (345, 19487), (358, 19514), (389, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 46
Candidate Starts for Miko_30:
(Start: 46 @20800 has 280 MA's), (78, 20893), (88, 20929), (98, 20968), (149, 21175), (163, 21214), (164, 21217), (178, 21262), (255, 21445), (271, 21478), (309, 21580), (338, 21655), (345, 21667), (389, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 53
Candidate Starts for Milcery_23:
(Start: 53 @18653 has 355 MA's), (78, 18749), (87, 18782), (88, 18785), (98, 18824), (133, 18959), (148, 19019), (149, 19025), (156, 19043), (164, 19067), (177, 19109), (303, 19421), (345, 19523), (389, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Miley16_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Millski_25 Start: 18493, Stop: 19833, Start Num: 53
Candidate Starts for Millski_25:
(11, 18295), (16, 18352), (20, 18391), (22, 18424), (Start: 53 @18493 has 355 MA's), (58, 18505), (74, 18571), (78, 18589), (87, 18619), (117, 18742), (140, 18838), (164, 18910), (178, 18955), (182, 18967), (240, 19111), (306, 19264), (346, 19366), (364, 19405), (387, 19450), (397, 19471), (400, 19495), (406, 19537), (421, 19678), (422, 19690), (427, 19780), (428, 19786), (429, 19825),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for MinecraftSteve_30:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 47
Candidate Starts for MiniLon_18:
(Start: 47 @16308 has 67 MA's), (60, 16332), (71, 16377), (74, 16392), (78, 16413), (107, 16509), (140, 16644), (144, 16653), (163, 16713), (164, 16716), (166, 16722), (192, 16794), (208, 16827), (211, 16839), (244, 16902), (265, 16953), (276, 16977), (292, 17028), (309, 17070), (361, 17181), (363, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 47
Candidate Starts for MiniMac_18:
(Start: 47 @16309 has 67 MA's), (60, 16333), (71, 16378), (74, 16393), (78, 16414), (107, 16510), (140, 16645), (144, 16654), (163, 16714), (164, 16717), (166, 16723), (192, 16795), (208, 16828), (211, 16840), (244, 16903), (265, 16954), (276, 16978), (292, 17029), (309, 17071), (361, 17182), (363, 17185),

Gene: Minispark_25 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for Minispark_25:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (107, 18785), (140, 18932), (149, 18962), (164, 19004), (200, 19109), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (266, 19265), (309, 19379), (327, 19430), (338, 19454), (345, 19466), (349, 19475), (389, 19556),

Gene: Miramae_26 Start: 18432, Stop: 19772, Start Num: 52
Candidate Starts for Miramae_26:
(Start: 52 @18432 has 21 MA's), (74, 18510), (78, 18528), (87, 18558), (140, 18777), (164, 18849), (178, 18894), (182, 18906), (240, 19050), (270, 19116), (306, 19203), (346, 19305), (364, 19344), (400, 19434), (409, 19485), (411, 19494), (421, 19617), (422, 19629), (427, 19719), (429, 19764),

Gene: Misomonster_30 Start: 19095, Stop: 20465, Start Num: 53
Candidate Starts for Misomonster_30:
(Start: 53 @19095 has 355 MA's), (78, 19191), (85, 19215), (87, 19221), (142, 19446), (164, 19512), (182, 19569), (212, 19647), (270, 19779), (306, 19866), (364, 20007), (400, 20103), (405, 20145), (416, 20205), (419, 20277), (422, 20322), (426, 20388), (427, 20412), (428, 20418),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 46
Candidate Starts for MissWhite_27:
(Start: 46 @18271 has 280 MA's), (78, 18364), (88, 18400), (98, 18439), (140, 18616), (149, 18646), (164, 18688), (178, 18733), (212, 18823), (255, 18916), (345, 19138),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for MkaliMitinis3_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 40
Candidate Starts for ModicumRichard_18:

(1, 15190), (Start: 40 @15643 has 8 MA's), (58, 15670), (66, 15703), (92, 15805), (99, 15832), (107, 15856), (133, 15958), (140, 15991), (147, 16021), (162, 16057), (164, 16063), (167, 16072), (193, 16150), (208, 16180), (209, 16186), (214, 16201), (258, 16306), (285, 16372), (321, 16471), (336, 16498), (339, 16504), (357, 16540),

Gene: Molivier_17 Start: 16080, Stop: 16994, Start Num: 47
Candidate Starts for Molivier_17:
(Start: 47 @16080 has 67 MA's), (60, 16104), (67, 16134), (101, 16260), (119, 16332), (162, 16485), (163, 16488), (164, 16491), (175, 16521), (196, 16578), (208, 16602), (209, 16608), (244, 16677), (249, 16695), (259, 16716), (261, 16719), (285, 16782), (309, 16845), (361, 16974), (366, 16986),

Gene: MoneyMay_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for MoneyMay_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: Montavir_27 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for Montavir_27:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Moonflower_18 Start: 16305, Stop: 17252, Start Num: 47
Candidate Starts for Moonflower_18:
(Start: 47 @16305 has 67 MA's), (104, 16500), (123, 16581), (148, 16665), (154, 16671), (159, 16686), (180, 16746), (191, 16776), (194, 16782), (228, 16845), (238, 16869), (240, 16875), (255, 16911), (282, 16980), (296, 17022), (307, 17049), (323, 17091), (324, 17094), (328, 17106), (353, 17157), (370, 17181), (388, 17226), (393, 17235),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 32
Candidate Starts for MoontowerMania_33:
(Start: 32 @29628 has 53 MA's), (93, 29814), (96, 29826), (97, 29829), (105, 29853), (110, 29874), (125, 29934), (150, 30021), (152, 30024), (166, 30060), (179, 30093), (186, 30108), (188, 30120), (206, 30150), (211, 30156), (238, 30216), (277, 30306), (309, 30396), (316, 30420), (321, 30432), (350, 30498), (373, 30537), (379, 30549), (390, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 47
Candidate Starts for Moostard_18:
(Start: 47 @16493 has 67 MA's), (60, 16517), (71, 16562), (74, 16577), (78, 16598), (107, 16694), (140, 16829), (144, 16838), (163, 16898), (164, 16901), (166, 16907), (192, 16979), (208, 17012), (244, 17087), (267, 17141), (276, 17162), (292, 17213), (309, 17255), (361, 17366), (363, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 40
Candidate Starts for Morgana_18:
(1, 15180), (Start: 40 @15633 has 8 MA's), (58, 15660), (66, 15693), (92, 15795), (99, 15822), (133, 15948), (140, 15981), (147, 16011), (162, 16047), (164, 16053), (167, 16062), (193, 16140), (209, 16176), (214, 16191), (285, 16365), (321, 16464), (336, 16491), (339, 16497),

Gene: Morpher26_26 Start: 18489, Stop: 19829, Start Num: 52
Candidate Starts for Morpher26_26:
(Start: 52 @18489 has 21 MA's), (74, 18567), (78, 18585), (140, 18834), (148, 18858), (164, 18906), (178, 18951), (182, 18963), (216, 19053), (306, 19260), (346, 19362), (364, 19401), (371, 19413),

(400, 19491), (409, 19542), (411, 19551), (421, 19674), (422, 19686), (427, 19776), (429, 19821),

Gene: Morrow_26 Start: 18493, Stop: 19833, Start Num: 53
Candidate Starts for Morrow_26:
(11, 18295), (16, 18352), (20, 18391), (22, 18424), (Start: 53 @18493 has 355 MA's), (58, 18505), (74, 18571), (78, 18589), (87, 18619), (117, 18742), (140, 18838), (164, 18910), (178, 18955), (182, 18967), (240, 19111), (306, 19264), (346, 19366), (364, 19405), (387, 19450), (397, 19471), (400, 19495), (406, 19537), (421, 19678), (422, 19690), (427, 19780), (428, 19786), (429, 19825),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 41
Candidate Starts for MrMagoo_31:
(Start: 41 @22001 has 21 MA's), (Start: 48 @22010 has 2 MA's), (67, 22064), (75, 22100), (76, 22103), (81, 22121), (85, 22136), (106, 22205), (107, 22208), (163, 22433), (164, 22436), (175, 22466), (209, 22553), (265, 22673), (285, 22727), (291, 22742), (304, 22775), (360, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for MsGreen_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: MuchMore_30 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for MuchMore_30:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 46
Candidate Starts for Mulciber_27:
(Start: 46 @19730 has 280 MA's), (67, 19787), (85, 19862), (117, 19991), (133, 20051), (148, 20111), (149, 20117), (164, 20159), (178, 20204), (180, 20210), (212, 20294), (230, 20327), (345, 20609), (349, 20618), (356, 20633), (389, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 46
Candidate Starts for Munch_27:
(Start: 46 @19736 has 280 MA's), (67, 19793), (85, 19868), (117, 19997), (133, 20057), (148, 20117), (149, 20123), (164, 20165), (178, 20210), (180, 20216), (212, 20300), (230, 20333), (345, 20615), (349, 20624), (356, 20639), (389, 20705),

Gene: Mundrea_26 Start: 18454, Stop: 19794, Start Num: 52
Candidate Starts for Mundrea_26:
(Start: 52 @18454 has 21 MA's), (74, 18532), (78, 18550), (87, 18580), (117, 18703), (140, 18799), (148, 18823), (164, 18871), (178, 18916), (182, 18928), (264, 19129), (306, 19225), (346, 19327), (364, 19366), (400, 19456), (409, 19507), (411, 19516), (421, 19639), (422, 19651), (427, 19741), (429, 19786),

Gene: MunkgeeRoachy_17 Start: 14812, Stop: 15783, Start Num: 49
Candidate Starts for MunkgeeRoachy_17:
(Start: 49 @14812 has 68 MA's), (66, 14857), (71, 14878), (85, 14941), (91, 14965), (100, 14995), (111, 15034), (121, 15073), (123, 15082), (124, 15085), (141, 15151), (159, 15199), (175, 15241), (191, 15289), (238, 15400), (245, 15415), (246, 15418), (251, 15436), (255, 15442), (274, 15487), (282, 15514), (289, 15532), (307, 15583), (308, 15586), (318, 15616), (321, 15625), (325, 15640),

(348, 15685), (353, 15697), (381, 15745), (388, 15769), (392, 15775),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 36
Candidate Starts for Mutzi_32:
(Start: 36 @25361 has 36 MA's), (74, 25457), (91, 25526), (93, 25532), (96, 25544), (97, 25547), (100, 25556), (105, 25571), (152, 25745), (165, 25778), (166, 25781), (238, 25928), (293, 26063), (307, 26099), (321, 26141), (355, 26216), (367, 26237), (390, 26288),

Gene: MyraDee_24 Start: 16712, Stop: 18055, Start Num: 53
Candidate Starts for MyraDee_24:
(Start: 53 @16712 has 355 MA's), (87, 16829), (117, 16946), (142, 17048), (164, 17114), (182, 17171), (306, 17468), (341, 17567), (343, 17570), (387, 17663), (401, 17714), (419, 17867), (422, 17912), (427, 18002),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for Myxus_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: NaLuna_18 Start: 15721, Stop: 16650, Start Num: 47
Candidate Starts for NaLuna_18:
(Start: 32 @15700 has 53 MA's), (Start: 47 @15721 has 67 MA's), (Start: 56 @15730 has 6 MA's), (68, 15772), (126, 16006), (139, 16051), (148, 16075), (154, 16081), (157, 16090), (159, 16096), (169, 16126), (180, 16156), (191, 16186), (194, 16192), (228, 16255), (238, 16279), (264, 16336), (296, 16423), (323, 16492), (377, 16597), (388, 16630),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 46
Candidate Starts for NaSiaTalie_27:
(Start: 46 @19198 has 280 MA's), (74, 19273), (78, 19291), (88, 19327), (98, 19366), (140, 19543), (149, 19573), (163, 19612), (164, 19615), (345, 20071), (356, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 53
Candidate Starts for Naca_23:
(Start: 53 @18502 has 355 MA's), (78, 18598), (87, 18631), (88, 18634), (98, 18673), (133, 18808), (138, 18838), (148, 18868), (149, 18874), (156, 18892), (164, 18916), (177, 18958), (345, 19372), (389, 19462),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Naiad_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for Naji_30:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Nancinator_22:

(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 41
Candidate Starts for Nanosmite_31:
(Start: 41 @21873 has 21 MA's), (76, 21975), (81, 21993), (85, 22008), (106, 22077), (109, 22089), (129, 22167), (138, 22215), (163, 22305), (164, 22308), (187, 22377), (208, 22419), (249, 22512), (258, 22530), (275, 22566), (285, 22599), (304, 22647), (336, 22722), (342, 22734),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 26
Candidate Starts for Natkenzie_34:
(Start: 26 @29777 has 29 MA's), (62, 29852), (64, 29864), (74, 29900), (84, 29936), (114, 30038), (123, 30092), (140, 30164), (160, 30227), (163, 30236), (180, 30293), (192, 30326), (205, 30359), (208, 30362), (227, 30419), (273, 30515), (283, 30548), (286, 30557), (295, 30578), (308, 30605), (314, 30626), (318, 30635), (320, 30641), (332, 30674), (333, 30677), (359, 30731), (368, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Natosaleda_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 53
Candidate Starts for NearlyHeadless_23:
(Start: 53 @17651 has 355 MA's), (85, 17774), (87, 17780), (107, 17852), (133, 17957), (136, 17984), (164, 18074), (240, 18275), (253, 18305), (255, 18308), (338, 18518), (358, 18557), (384, 18605), (389, 18620),

Gene: Nebs_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Nebs_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 50
Candidate Starts for Nebulosus_29:
(Start: 50 @18119 has 24 MA's), (85, 18233), (87, 18239), (88, 18242), (146, 18476), (251, 18743), (282, 18797), (345, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 49
Candidate Starts for Nedarya_28:
(Start: 49 @18765 has 68 MA's), (87, 18885), (106, 18954), (107, 18957), (117, 19008), (146, 19122), (259, 19401), (345, 19599), (349, 19608), (389, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for Neeharika16_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: Nemo27_26 Start: 18489, Stop: 19829, Start Num: 53
Candidate Starts for Nemo27_26:

(11, 18291), (16, 18348), (20, 18387), (22, 18420), (Start: 53 @18489 has 355 MA's), (58, 18501), (74, 18567), (78, 18585), (87, 18615), (117, 18738), (140, 18834), (164, 18906), (178, 18951), (182, 18963), (240, 19107), (306, 19260), (346, 19362), (364, 19401), (387, 19446), (397, 19467), (400, 19491), (406, 19533), (421, 19674), (422, 19686), (427, 19776), (428, 19782), (429, 19821),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Netyap_17:
(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 44
Candidate Starts for Neville_27:
(Start: 35 @22377 has 2 MA's), (Start: 44 @22392 has 7 MA's), (67, 22449), (74, 22479), (95, 22557), (107, 22593), (123, 22668), (132, 22701), (140, 22737), (162, 22818), (163, 22821), (172, 22848), (175, 22854), (185, 22881), (209, 22941), (211, 22947), (265, 23070), (267, 23073), (276, 23094), (285, 23124), (289, 23133), (304, 23172), (305, 23175), (319, 23217), (329, 23232), (331, 23238), (339, 23256), (347, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for Newrala_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: Nibbles_19 Start: 15745, Stop: 16710, Start Num: 49
Candidate Starts for Nibbles_19:
(Start: 49 @15745 has 68 MA's), (66, 15790), (74, 15826), (78, 15847), (85, 15874), (100, 15928), (116, 15985), (121, 16009), (123, 16018), (124, 16021), (141, 16090), (159, 16138), (191, 16228), (198, 16243), (221, 16282), (282, 16438), (307, 16504), (308, 16507), (309, 16510), (318, 16537), (321, 16546), (329, 16570), (347, 16603), (355, 16621), (378, 16666), (388, 16696), (392, 16702),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for Nicholas_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for Nicholasp3_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 46
Candidate Starts for NicoleTera_31:
(Start: 46 @21002 has 280 MA's), (58, 21020), (78, 21095), (88, 21131), (98, 21170), (149, 21377), (163, 21416), (164, 21419), (178, 21464), (200, 21524), (271, 21683), (345, 21872),

Gene: Nina_18 Start: 15806, Stop: 16777, Start Num: 49
Candidate Starts for Nina_18:
(Start: 49 @15806 has 68 MA's), (66, 15851), (71, 15872), (85, 15935), (91, 15959), (100, 15989), (111, 16028), (121, 16067), (123, 16076), (124, 16079), (141, 16145), (159, 16193), (175, 16235),

(191, 16283), (215, 16334), (238, 16394), (245, 16409), (246, 16412), (251, 16430), (255, 16436), (274, 16481), (282, 16508), (289, 16526), (307, 16577), (308, 16580), (318, 16610), (321, 16619), (325, 16634), (353, 16691), (381, 16739), (388, 16763), (392, 16769),

Gene: Nodigi_19 Start: 14799, Stop: 15758, Start Num: 49
Candidate Starts for Nodigi_19:
(Start: 49 @14799 has 68 MA's), (60, 14820), (68, 14850), (123, 15069), (151, 15165), (159, 15186), (175, 15228), (191, 15276), (204, 15291), (224, 15345), (238, 15378), (308, 15561), (309, 15564), (318, 15591), (321, 15600), (323, 15606), (329, 15624), (347, 15657), (350, 15666), (353, 15672), (378, 15714), (382, 15723), (388, 15744), (392, 15750),

Gene: Noella_27 Start: 19086, Stop: 20459, Start Num: 53
Candidate Starts for Noella_27:
(Start: 53 @19086 has 355 MA's), (74, 19164), (78, 19182), (85, 19206), (88, 19215), (109, 19293), (164, 19503), (165, 19506), (178, 19548), (182, 19560), (212, 19638), (306, 19857), (346, 19959), (387, 20049), (400, 20094), (405, 20136), (416, 20199), (417, 20250), (422, 20316), (424, 20343), (426, 20382), (427, 20406), (428, 20412),

Gene: Noelle_26 Start: 18542, Stop: 19885, Start Num: 52
Candidate Starts for Noelle_26:
(Start: 52 @18542 has 21 MA's), (74, 18620), (78, 18638), (87, 18668), (117, 18791), (140, 18887), (148, 18911), (164, 18959), (178, 19004), (182, 19016), (306, 19313), (346, 19418), (364, 19457), (400, 19547), (409, 19598), (411, 19607), (421, 19730), (422, 19742), (427, 19832), (429, 19877),

Gene: Norbert_26 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Norbert_26:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 32
Candidate Starts for Nordenberg_28:
(Start: 32 @28984 has 53 MA's), (93, 29170), (96, 29182), (105, 29209), (110, 29230), (125, 29290), (152, 29380), (166, 29416), (179, 29449), (186, 29464), (188, 29476), (206, 29506), (211, 29512), (238, 29572), (277, 29662), (309, 29752), (316, 29776), (321, 29788), (350, 29854), (373, 29893), (379, 29905),

Gene: NorthStar_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for NorthStar_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (81, 18595), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Northrop_26 Start: 18486, Stop: 19826, Start Num: 53
Candidate Starts for Northrop_26:
(11, 18288), (16, 18345), (20, 18384), (22, 18417), (Start: 53 @18486 has 355 MA's), (58, 18498), (74, 18564), (78, 18582), (87, 18612), (117, 18735), (140, 18831), (164, 18903), (178, 18948), (182, 18960), (240, 19104), (306, 19257), (346, 19359), (364, 19398), (387, 19443), (397, 19464), (400, 19488), (406, 19530), (421, 19671), (422, 19683), (427, 19773), (428, 19779), (429, 19818),

Gene: NotAPhaseMom_26 Start: 18494, Stop: 19834, Start Num: 53

Candidate Starts for NotAPhaseMom_26:
(11, 18296), (16, 18353), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (397, 19472), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 46
Candidate Starts for NothingSpecial_29:
(Start: 46 @21202 has 280 MA's), (78, 21295), (88, 21331), (98, 21370), (149, 21577), (163, 21616), (164, 21619), (178, 21664), (309, 21982), (338, 22057), (345, 22069), (356, 22093), (389, 22159),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 36
Candidate Starts for Nubi_30:
(Start: 36 @24922 has 36 MA's), (74, 25027), (91, 25096), (93, 25102), (100, 25126), (105, 25141), (238, 25501), (245, 25516), (252, 25534), (293, 25636), (309, 25678), (321, 25714), (367, 25810), (390, 25861),

Gene: Nyxis_26 Start: 18433, Stop: 19773, Start Num: 53
Candidate Starts for Nyxis_26:
(11, 18235), (16, 18292), (20, 18331), (22, 18364), (Start: 53 @18433 has 355 MA's), (58, 18445), (74, 18511), (78, 18529), (87, 18559), (140, 18778), (164, 18850), (178, 18895), (182, 18907), (240, 19051), (306, 19204), (346, 19306), (364, 19345), (387, 19390), (397, 19411), (400, 19435), (406, 19477), (421, 19618), (422, 19630), (427, 19720), (428, 19726), (429, 19765),

Gene: OKCentral2016_26 Start: 18128, Stop: 19495, Start Num: 53
Candidate Starts for OKCentral2016_26:
(8, 17879), (16, 17987), (Start: 53 @18128 has 355 MA's), (74, 18206), (78, 18224), (87, 18254), (88, 18257), (109, 18335), (164, 18545), (177, 18587), (208, 18665), (237, 18737), (240, 18746), (306, 18899), (324, 18953), (346, 19007), (362, 19043), (387, 19091), (400, 19136), (407, 19181), (417, 19286), (422, 19352), (423, 19361), (427, 19442), (428, 19448),

Gene: OKaNui_27 Start: 18543, Stop: 19883, Start Num: 53
Candidate Starts for OKaNui_27:
(11, 18345), (16, 18402), (20, 18441), (22, 18474), (Start: 53 @18543 has 355 MA's), (58, 18555), (74, 18621), (78, 18639), (87, 18669), (140, 18888), (164, 18960), (178, 19005), (182, 19017), (240, 19161), (306, 19314), (346, 19416), (364, 19455), (387, 19500), (397, 19521), (400, 19545), (406, 19587), (421, 19728), (422, 19740), (427, 19830), (428, 19836), (429, 19875),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 40
Candidate Starts for ObLaDi_18:
(Start: 40 @15622 has 8 MA's), (58, 15649), (66, 15682), (92, 15784), (99, 15811), (107, 15835), (140, 15970), (147, 16000), (162, 16036), (164, 16042), (167, 16051), (193, 16129), (208, 16159), (209, 16165), (214, 16180), (258, 16285), (285, 16351), (321, 16450), (336, 16477), (339, 16483), (357, 16519),

Gene: Obama12_27 Start: 18803, Stop: 20143, Start Num: 53
Candidate Starts for Obama12_27:
(16, 18662), (19, 18692), (20, 18701), (22, 18734), (Start: 53 @18803 has 355 MA's), (74, 18881), (78, 18899), (87, 18929), (140, 19148), (164, 19220), (178, 19265), (182, 19277), (240, 19421), (303, 19568), (306, 19574), (346, 19676), (364, 19715), (400, 19805), (421, 19988), (422, 20000), (427, 20090), (428, 20096), (429, 20135),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 44

Candidate Starts for Octobien14_27:
(Start: 44 @21830 has 7 MA's), (Start: 56 @21845 has 6 MA's), (95, 21995), (107, 22031), (132, 22139), (156, 22238), (162, 22256), (164, 22262), (172, 22286), (209, 22379), (263, 22505), (267, 22511), (276, 22532), (284, 22559), (305, 22613), (319, 22655), (337, 22691), (347, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 46
Candidate Starts for Odin_26:
(Start: 46 @17954 has 280 MA's), (74, 18029), (78, 18047), (88, 18083), (149, 18329), (163, 18368), (164, 18371), (178, 18416), (212, 18506), (271, 18632), (309, 18734), (345, 18821), (356, 18845), (389, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 46
Candidate Starts for OhShagHennessy_17:
(24, 15776), (25, 15779), (Start: 34 @15812 has 9 MA's), (Start: 46 @15830 has 280 MA's), (60, 15854), (67, 15884), (71, 15899), (78, 15932), (119, 16076), (138, 16157), (163, 16232), (164, 16235), (166, 16241), (182, 16286), (192, 16313), (208, 16346), (209, 16352), (229, 16385), (233, 16394), (244, 16421), (291, 16541), (309, 16589), (318, 16616), (339, 16655), (342, 16661), (361, 16700),

Gene: Ohfah_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Ohfah_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: OlanP_28 Start: 19270, Stop: 20643, Start Num: 53
Candidate Starts for OlanP_28:
(Start: 53 @19270 has 355 MA's), (78, 19366), (85, 19390), (87, 19396), (142, 19621), (164, 19687), (182, 19744), (212, 19822), (270, 19954), (306, 20041), (313, 20062), (364, 20182), (387, 20233), (400, 20278), (405, 20320), (408, 20329), (422, 20500), (426, 20566), (427, 20590), (428, 20596),

Gene: Ollie_28 Start: 18882, Stop: 20252, Start Num: 53
Candidate Starts for Ollie_28:
(Start: 53 @18882 has 355 MA's), (78, 18978), (85, 19002), (87, 19008), (142, 19233), (164, 19299), (182, 19356), (212, 19434), (270, 19566), (306, 19653), (364, 19794), (400, 19890), (416, 19992), (419, 20064), (422, 20109), (426, 20175), (427, 20199), (428, 20205),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 46
Candidate Starts for Onglai_27:
(Start: 46 @18861 has 280 MA's), (58, 18879), (74, 18936), (78, 18954), (88, 18990), (133, 19170), (140, 19206), (149, 19236), (164, 19278), (222, 19437), (284, 19581), (309, 19644), (338, 19719), (345, 19731), (356, 19755),

Gene: Oofda_29 Start: 18093, Stop: 19070, Start Num: 50
Candidate Starts for Oofda_29:
(Start: 50 @18093 has 24 MA's), (85, 18207), (87, 18213), (88, 18216), (146, 18450), (251, 18717), (282, 18771), (345, 18927),

Gene: Opie_18 Start: 16062, Stop: 16988, Start Num: 47
Candidate Starts for Opie_18:
(15, 15930), (Start: 32 @16044 has 53 MA's), (Start: 47 @16062 has 67 MA's), (Start: 56 @16071 has 6 MA's), (68, 16113), (Start: 70 @16125 has 1 MA's), (126, 16347), (139, 16392), (148, 16416), (154, 16422), (157, 16431), (159, 16437), (169, 16467), (180, 16497), (191, 16527), (194, 16533), (226,

16593), (228, 16596), (238, 16620), (264, 16677), (274, 16698), (323, 16833), (388, 16971),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 46
Candidate Starts for Orange_27:
(Start: 46 @19736 has 280 MA's), (67, 19793), (85, 19868), (117, 19997), (133, 20057), (148, 20117), (149, 20123), (164, 20165), (178, 20210), (180, 20216), (212, 20300), (230, 20333), (345, 20615), (349, 20624), (356, 20639), (389, 20705),

Gene: Orla_19 Start: 14803, Stop: 15762, Start Num: 49
Candidate Starts for Orla_19:
(21, 14728), (Start: 49 @14803 has 68 MA's), (60, 14824), (68, 14854), (123, 15073), (151, 15169), (159, 15190), (175, 15232), (191, 15280), (204, 15295), (224, 15349), (238, 15382), (308, 15565), (309, 15568), (318, 15595), (321, 15604), (323, 15610), (329, 15628), (347, 15661), (350, 15670), (353, 15676), (388, 15748), (392, 15754),

Gene: OverPar_17 Start: 16106, Stop: 17020, Start Num: 47
Candidate Starts for OverPar_17:
(Start: 47 @16106 has 67 MA's), (60, 16130), (67, 16160), (101, 16286), (119, 16358), (162, 16511), (163, 16514), (164, 16517), (175, 16547), (196, 16604), (208, 16628), (209, 16634), (244, 16703), (249, 16721), (259, 16742), (281, 16796), (285, 16808), (309, 16871), (361, 17000), (366, 17012),

Gene: P28Green_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for P28Green_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (306, 19784), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: PGHhamlin_30 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for PGHhamlin_30:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 43
Candidate Starts for PP_36:
(Start: 43 @24810 has 2 MA's), (74, 24888), (79, 24909), (88, 24942), (98, 24981), (107, 25011), (140, 25158), (149, 25188), (164, 25230), (230, 25404), (242, 25434), (303, 25584), (325, 25647), (338, 25674), (345, 25686), (356, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 39
Candidate Starts for PSonyx_16:
(Start: 39 @16641 has 3 MA's), (125, 16932), (127, 16944), (133, 16968), (157, 17052), (166, 17079), (175, 17103), (184, 17127), (190, 17148), (197, 17166), (211, 17196), (261, 17283), (274, 17310), (315, 17430), (321, 17445), (342, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 46
Candidate Starts for PYPDinur_17:
(Start: 46 @15692 has 280 MA's), (60, 15716), (66, 15743), (67, 15746), (71, 15761), (78, 15794), (107, 15890), (140, 16025), (144, 16034), (163, 16094), (164, 16097), (192, 16175), (197, 16190), (209, 16214), (229, 16247), (244, 16283), (254, 16307), (261, 16325), (265, 16334), (281, 16376), (291, 16403), (309, 16451), (318, 16478), (361, 16562),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 46

Candidate Starts for PackMan_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 46
Candidate Starts for PainterBoy_28:
(Start: 46 @19862 has 280 MA's), (58, 19880), (78, 19955), (98, 20030), (116, 20093), (149, 20237), (163, 20276), (164, 20279), (193, 20366), (296, 20618), (303, 20633), (316, 20669), (345, 20735), (353, 20753), (356, 20759),

Gene: Palestino_25 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Palestino_25:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Panamaxus_26 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Panamaxus_26:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 32
Candidate Starts for Paries_36:
(Start: 32 @30450 has 53 MA's), (93, 30636), (96, 30648), (105, 30675), (110, 30696), (125, 30756), (150, 30843), (152, 30846), (166, 30882), (179, 30915), (186, 30930), (188, 30942), (206, 30972), (211, 30978), (238, 31038), (277, 31128), (309, 31218), (316, 31242), (321, 31254), (350, 31320), (373, 31359), (379, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 53
Candidate Starts for Partridge_22:
(Start: 53 @15513 has 355 MA's), (64, 15552), (87, 15639), (106, 15708), (124, 15786), (164, 15924), (309, 16149), (315, 16167), (345, 16236), (401, 16374),

Gene: PatriciaStar_17 Start: 15906, Stop: 16853, Start Num: 47
Candidate Starts for PatriciaStar_17:
(Start: 47 @15906 has 67 MA's), (104, 16101), (123, 16182), (126, 16194), (148, 16266), (154, 16272), (159, 16287), (180, 16347), (191, 16377), (194, 16383), (228, 16446), (238, 16470), (239, 16473), (255, 16512), (274, 16554), (282, 16581), (296, 16623), (323, 16692), (324, 16695), (328, 16707), (353, 16758), (370, 16782), (392, 16833), (393, 16836),

Gene: Pawn_28 Start: 19090, Stop: 20463, Start Num: 53
Candidate Starts for Pawn_28:
(Start: 53 @19090 has 355 MA's), (78, 19186), (85, 19210), (87, 19216), (142, 19441), (164, 19507), (182, 19564), (212, 19642), (270, 19774), (306, 19861), (313, 19882), (364, 20002), (387, 20053), (400, 20098), (405, 20140), (408, 20149), (422, 20320), (426, 20386), (427, 20410), (428, 20416),

Gene: PeaceMeal1_25 Start: 16526, Stop: 17893, Start Num: 53
Candidate Starts for PeaceMeal1_25:

(Start: 53 @16526 has 355 MA's), (74, 16604), (78, 16622), (87, 16652), (88, 16655), (164, 16943), (177, 16985), (240, 17144), (270, 17210), (303, 17291), (306, 17297), (324, 17351), (346, 17405), (362, 17441), (386, 17483), (387, 17489), (400, 17534), (407, 17579), (417, 17684), (422, 17750), (423, 17759), (424, 17777), (427, 17840), (428, 17846),

Gene: Peaches_26 Start: 18489, Stop: 19829, Start Num: 53
Candidate Starts for Peaches_26:
(11, 18291), (16, 18348), (20, 18387), (22, 18420), (Start: 53 @18489 has 355 MA's), (58, 18501), (74, 18567), (78, 18585), (87, 18615), (140, 18834), (164, 18906), (178, 18951), (182, 18963), (240, 19107), (306, 19260), (346, 19362), (364, 19401), (387, 19446), (397, 19467), (400, 19491), (406, 19533), (421, 19674), (422, 19686), (427, 19776), (428, 19782), (429, 19821),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for PegLeg_27:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: Pembroke_28 Start: 19013, Stop: 20383, Start Num: 53
Candidate Starts for Pembroke_28:
(Start: 53 @19013 has 355 MA's), (78, 19109), (85, 19133), (87, 19139), (142, 19364), (164, 19430), (182, 19487), (212, 19565), (270, 19697), (306, 19784), (364, 19925), (400, 20021), (405, 20063), (416, 20123), (419, 20195), (422, 20240), (426, 20306), (427, 20330), (428, 20336),

Gene: Penny1_28 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for Penny1_28:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Periwinkle_21 Start: 15973, Stop: 16896, Start Num: 54
Candidate Starts for Periwinkle_21:
(Start: 54 @15973 has 16 MA's), (Start: 56 @15976 has 6 MA's), (60, 15988), (64, 16006), (75, 16051), (85, 16090), (96, 16129), (106, 16162), (108, 16168), (123, 16237), (137, 16291), (139, 16294), (140, 16297), (145, 16309), (157, 16333), (159, 16339), (165, 16357), (186, 16411), (188, 16423), (191, 16429), (204, 16450), (226, 16495), (228, 16498), (235, 16516), (238, 16522), (245, 16537), (246, 16540), (307, 16693), (308, 16696), (310, 16702), (323, 16735), (329, 16753), (347, 16786), (375, 16837), (382, 16852), (395, 16888),

Gene: Perplexer_26 Start: 18483, Stop: 19826, Start Num: 52
Candidate Starts for Perplexer_26:
(Start: 52 @18483 has 21 MA's), (74, 18561), (78, 18579), (87, 18609), (140, 18828), (148, 18852), (164, 18900), (178, 18945), (182, 18957), (216, 19047), (230, 19074), (306, 19254), (346, 19359), (364, 19398), (400, 19488), (409, 19539), (411, 19548), (421, 19671), (422, 19683), (427, 19773), (429, 19818),

Gene: PeterPeter_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for PeterPeter_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Petersenfast_27 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Petersenfast_27:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: PetiteSangsue_26 Start: 18489, Stop: 19829, Start Num: 52
Candidate Starts for PetiteSangsue_26:
(Start: 52 @18489 has 21 MA's), (74, 18567), (78, 18585), (140, 18834), (148, 18858), (164, 18906), (178, 18951), (216, 19053), (306, 19260), (346, 19362), (364, 19401), (397, 19467), (400, 19491), (409, 19542), (411, 19551), (421, 19674), (422, 19686), (427, 19776), (429, 19821),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 53
Candidate Starts for PetterN_24:
(Start: 53 @17936 has 355 MA's), (87, 18065), (88, 18068), (98, 18107), (138, 18272), (148, 18302), (149, 18308), (156, 18326), (164, 18350), (177, 18392), (345, 18806), (389, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 46
Candidate Starts for Ph8s_28:
(Start: 46 @17912 has 280 MA's), (74, 17987), (78, 18005), (88, 18041), (149, 18287), (163, 18326), (164, 18329), (212, 18464), (255, 18557), (271, 18590), (316, 18713), (327, 18743), (345, 18779), (356, 18803),

Gene: Phabuloso_19 Start: 15505, Stop: 16425, Start Num: 56
Candidate Starts for Phabuloso_19:
(Start: 54 @15502 has 16 MA's), (Start: 56 @15505 has 6 MA's), (60, 15517), (64, 15535), (75, 15580), (85, 15619), (96, 15658), (106, 15691), (108, 15697), (123, 15766), (137, 15820), (139, 15823), (140, 15826), (145, 15838), (155, 15856), (157, 15862), (159, 15868), (165, 15886), (186, 15940), (188, 15952), (191, 15958), (204, 15979), (228, 16027), (235, 16045), (238, 16051), (245, 16066), (246, 16069), (307, 16222), (308, 16225), (310, 16231), (323, 16264), (329, 16282), (347, 16315), (375, 16366), (382, 16381), (395, 16417),

Gene: Phacado_26 Start: 18489, Stop: 19829, Start Num: 53
Candidate Starts for Phacado_26:
(11, 18291), (16, 18348), (20, 18387), (22, 18420), (Start: 53 @18489 has 355 MA's), (58, 18501), (74, 18567), (78, 18585), (87, 18615), (117, 18738), (140, 18834), (164, 18906), (178, 18951), (182, 18963), (240, 19107), (306, 19260), (346, 19362), (364, 19401), (387, 19446), (397, 19467), (400, 19491), (406, 19533), (421, 19674), (422, 19686), (427, 19776), (428, 19782), (429, 19821),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 46
Candidate Starts for Phaded_30:
(Start: 46 @21122 has 280 MA's), (74, 21197), (78, 21215), (98, 21290), (133, 21431), (138, 21461), (149, 21497), (164, 21539), (195, 21629), (208, 21665), (212, 21680), (271, 21806), (303, 21893), (345, 21995), (356, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for Phaeder_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 53
Candidate Starts for PhailMary_21:

(Start: 53 @15802 has 355 MA's), (64, 15841), (87, 15928), (106, 15997), (124, 16075), (131, 16102), (164, 16213), (216, 16309), (309, 16438), (315, 16456), (345, 16525), (401, 16663),

Gene: Phantastic_26 Start: 18502, Stop: 19875, Start Num: 53
Candidate Starts for Phantastic_26:
(Start: 53 @18502 has 355 MA's), (74, 18580), (78, 18598), (87, 18628), (164, 18919), (165, 18922), (167, 18928), (178, 18964), (182, 18976), (270, 19186), (306, 19273), (334, 19354), (346, 19375), (364, 19414), (387, 19465), (400, 19510), (405, 19552), (413, 19579), (417, 19666), (422, 19732), (424, 19759), (426, 19798), (427, 19822), (428, 19828),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 46
Candidate Starts for Pharaoh_27:
(17, 20123), (Start: 46 @20243 has 280 MA's), (78, 20336), (88, 20372), (98, 20411), (101, 20423), (121, 20507), (148, 20612), (149, 20618), (163, 20657), (164, 20660), (200, 20768), (208, 20786), (298, 21002), (345, 21116),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 26
Candidate Starts for Phauci_25:
(Start: 26 @24740 has 29 MA's), (74, 24863), (84, 24899), (100, 24959), (123, 25055), (151, 25166), (159, 25187), (192, 25289), (208, 25325), (293, 25541), (295, 25547), (302, 25562), (308, 25577), (320, 25613), (332, 25646), (333, 25649), (368, 25715),

Gene: Phelipe_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Phelipe_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Phighter1804_26 Start: 18468, Stop: 19808, Start Num: 53
Candidate Starts for Phighter1804_26:
(16, 18327), (19, 18357), (20, 18366), (22, 18399), (Start: 53 @18468 has 355 MA's), (58, 18480), (74, 18546), (78, 18564), (87, 18594), (140, 18813), (164, 18885), (178, 18930), (182, 18942), (240, 19086), (306, 19239), (346, 19341), (364, 19380), (387, 19425), (400, 19470), (406, 19512), (421, 19653), (422, 19665), (427, 19755), (428, 19761), (429, 19800),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 53
Candidate Starts for Phillis_23:
(Start: 53 @17609 has 355 MA's), (85, 17732), (87, 17738), (107, 17810), (133, 17915), (136, 17942), (164, 18032), (208, 18152), (240, 18233), (253, 18263), (255, 18266), (338, 18476), (358, 18515), (384, 18563), (389, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 26
Candidate Starts for Phinally_32:
(Start: 26 @28148 has 29 MA's), (74, 28271), (84, 28307), (100, 28367), (123, 28463), (151, 28574), (159, 28595), (192, 28697), (199, 28718), (208, 28733), (227, 28790), (249, 28841), (293, 28949), (295, 28955), (302, 28970), (309, 28988), (320, 29021), (332, 29054), (333, 29057), (368, 29123),

Gene: PhishRPhriends_27 Start: 18274, Stop: 19647, Start Num: 53
Candidate Starts for PhishRPhriends_27:
(Start: 53 @18274 has 355 MA's), (78, 18370), (85, 18394), (87, 18400), (142, 18625), (164, 18691), (182, 18748), (212, 18826), (270, 18958), (306, 19045), (313, 19066), (364, 19186), (387, 19237), (400, 19282), (405, 19324), (408, 19333), (422, 19504), (426, 19570), (427, 19594), (428, 19600),

Gene: Phistory_20 Start: 16280, Stop: 17203, Start Num: 54
Candidate Starts for Phistory_20:
(Start: 54 @16280 has 16 MA's), (Start: 56 @16283 has 6 MA's), (60, 16295), (64, 16313), (75, 16358), (85, 16397), (96, 16436), (106, 16469), (108, 16475), (123, 16544), (137, 16598), (139, 16601), (140, 16604), (145, 16616), (159, 16646), (165, 16664), (186, 16718), (188, 16730), (191, 16736), (204, 16757), (228, 16805), (235, 16823), (238, 16829), (245, 16844), (246, 16847), (307, 17000), (308, 17003), (310, 17009), (323, 17042), (329, 17060), (347, 17093), (375, 17144), (382, 17159), (395, 17195),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 46
Candidate Starts for Phlei_22:
(Start: 46 @20737 has 280 MA's), (78, 20833), (109, 20947), (140, 21085), (148, 21109), (149, 21115), (164, 21157), (177, 21199), (181, 21211), (195, 21247), (212, 21298), (230, 21331), (246, 21370), (349, 21622), (356, 21637), (389, 21703),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 36
Candidate Starts for Phlop_30:
(Start: 36 @25004 has 36 MA's), (74, 25109), (91, 25178), (93, 25184), (100, 25208), (105, 25223), (238, 25583), (245, 25598), (252, 25616), (293, 25718), (309, 25760), (321, 25796), (367, 25892), (390, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 53
Candidate Starts for Phlorence_23:
(Start: 53 @18754 has 355 MA's), (78, 18850), (87, 18883), (88, 18886), (98, 18925), (112, 18973), (149, 19126), (156, 19144), (164, 19168), (177, 19210), (303, 19522), (345, 19624), (358, 19651), (389, 19714),

Gene: Phoebe_28 Start: 19010, Stop: 20380, Start Num: 53
Candidate Starts for Phoebe_28:
(Start: 53 @19010 has 355 MA's), (78, 19106), (85, 19130), (87, 19136), (142, 19361), (164, 19427), (182, 19484), (212, 19562), (270, 19694), (306, 19781), (364, 19922), (400, 20018), (405, 20060), (416, 20120), (419, 20192), (422, 20237), (426, 20303), (427, 20327), (428, 20333),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Phonnegut_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Phontbonne_26 Start: 18434, Stop: 19774, Start Num: 53
Candidate Starts for Phontbonne_26:
(11, 18236), (16, 18293), (20, 18332), (22, 18365), (Start: 53 @18434 has 355 MA's), (58, 18446), (74, 18512), (78, 18530), (87, 18560), (117, 18683), (140, 18779), (164, 18851), (178, 18896), (182, 18908), (240, 19052), (306, 19205), (346, 19307), (364, 19346), (387, 19391), (400, 19436), (406, 19478), (421, 19619), (422, 19631), (427, 19721), (428, 19727), (429, 19766),

Gene: Phoxy_28 Start: 19096, Stop: 20466, Start Num: 53
Candidate Starts for Phoxy_28:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (364, 20008), (400, 20104), (405, 20146), (416, 20206), (419, 20278), (422, 20323), (426, 20389), (427, 20413), (428, 20419),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Phrankenstein_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Phranny_29 Start: 19082, Stop: 20455, Start Num: 53
Candidate Starts for Phranny_29:
(Start: 53 @19082 has 355 MA's), (78, 19178), (85, 19202), (87, 19208), (142, 19433), (164, 19499), (182, 19556), (212, 19634), (270, 19766), (306, 19853), (313, 19874), (364, 19994), (387, 20045), (400, 20090), (405, 20132), (408, 20141), (422, 20312), (426, 20378), (427, 20402), (428, 20408),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 53
Candidate Starts for PickleBack_23:
(Start: 53 @18468 has 355 MA's), (78, 18564), (87, 18597), (88, 18600), (98, 18639), (112, 18687), (149, 18840), (156, 18858), (164, 18882), (177, 18924), (303, 19236), (345, 19338), (358, 19365), (389, 19428),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 36
Candidate Starts for PinkCoffee_32:
(Start: 36 @25643 has 36 MA's), (74, 25748), (91, 25817), (93, 25823), (100, 25847), (105, 25862), (238, 26222), (245, 26237), (252, 26255), (293, 26357), (309, 26399), (321, 26435), (367, 26531), (390, 26582),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Pioneer_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Pipcraft_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Pipcraft_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 46
Candidate Starts for Piro94_28:
(Start: 46 @19659 has 280 MA's), (74, 19734), (78, 19752), (88, 19788), (98, 19827), (140, 20004), (149, 20034), (163, 20073), (164, 20076), (345, 20532), (356, 20556),

Gene: Pistachio_27 Start: 18081, Stop: 19454, Start Num: 53
Candidate Starts for Pistachio_27:
(Start: 53 @18081 has 355 MA's), (74, 18159), (78, 18177), (87, 18207), (107, 18279), (164, 18498), (165, 18501), (178, 18543), (182, 18555), (270, 18765), (306, 18852), (346, 18954), (364, 18993), (387, 19044), (400, 19089), (405, 19131), (413, 19158), (416, 19194), (417, 19245), (422, 19311), (424, 19338), (426, 19377), (427, 19401), (428, 19407),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 46
Candidate Starts for Pmask_30:
(Start: 46 @18960 has 280 MA's), (67, 19014), (78, 19053), (107, 19158), (140, 19305), (149, 19335), (163, 19374), (164, 19377), (178, 19422), (200, 19482), (284, 19680), (345, 19830), (349, 19839),

Gene: Pocahontas_27 Start: 19082, Stop: 20455, Start Num: 53
Candidate Starts for Pocahontas_27:
(Start: 53 @19082 has 355 MA's), (74, 19160), (78, 19178), (85, 19202), (88, 19211), (109, 19289), (164, 19499), (165, 19502), (178, 19544), (182, 19556), (212, 19634), (306, 19853), (346, 19955), (387, 20045), (400, 20090), (405, 20132), (416, 20195), (417, 20246), (422, 20312), (424, 20339), (426, 20378), (427, 20402), (428, 20408),

Gene: Polymorphads_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Polymorphads_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Polyphemus_30 Start: 18958, Stop: 19971, Start Num: 46
Candidate Starts for Polyphemus_30:
(Start: 46 @18958 has 280 MA's), (67, 19012), (78, 19051), (107, 19156), (140, 19303), (149, 19333), (163, 19372), (164, 19375), (178, 19420), (200, 19480), (284, 19678), (345, 19828), (349, 19837),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 46
Candidate Starts for Pomar16_30:
(Start: 46 @19083 has 280 MA's), (67, 19137), (74, 19158), (78, 19176), (121, 19347), (149, 19458), (163, 19497), (164, 19500), (178, 19545), (309, 19863), (338, 19938), (345, 19950), (356, 19974), (389, 20040),

Gene: Pons_17 Start: 14462, Stop: 15418, Start Num: 49
Candidate Starts for Pons_17:
(Start: 49 @14462 has 68 MA's), (66, 14507), (85, 14591), (100, 14645), (108, 14672), (121, 14723), (122, 14726), (123, 14732), (124, 14735), (143, 14804), (159, 14849), (167, 14873), (191, 14939), (238, 15035), (307, 15218), (308, 15221), (318, 15251), (321, 15260), (347, 15317), (375, 15368), (388, 15404), (392, 15410),

Gene: Poochiewood_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for Poochiewood_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: Poompha_25 Start: 16524, Stop: 17891, Start Num: 53
Candidate Starts for Poompha_25:
(Start: 53 @16524 has 355 MA's), (74, 16602), (78, 16620), (87, 16650), (88, 16653), (117, 16773), (164, 16941), (177, 16983), (303, 17289), (306, 17295), (324, 17349), (346, 17403), (362, 17439), (386, 17481), (387, 17487), (400, 17532), (407, 17577), (417, 17682), (422, 17748), (423, 17757), (424, 17775), (427, 17838), (428, 17844),

Gene: Popcicle_27 Start: 19082, Stop: 20455, Start Num: 53
Candidate Starts for Popcicle_27:
(Start: 53 @19082 has 355 MA's), (74, 19160), (78, 19178), (85, 19202), (88, 19211), (109, 19289), (164, 19499), (165, 19502), (178, 19544), (182, 19556), (212, 19634), (306, 19853), (346, 19955), (387, 20045), (400, 20090), (405, 20132), (416, 20195), (417, 20246), (422, 20312), (424, 20339), (426, 20378), (427, 20402), (428, 20408),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 36
Candidate Starts for Portcullis_30:
(Start: 36 @24953 has 36 MA's), (74, 25058), (91, 25127), (93, 25133), (100, 25157), (105, 25172), (238, 25532), (245, 25547), (252, 25565), (293, 25667), (309, 25709), (321, 25745), (367, 25841), (390, 25892),

Gene: PotPie_17 Start: 15327, Stop: 16283, Start Num: 49
Candidate Starts for PotPie_17:
(Start: 49 @15327 has 68 MA's), (66, 15372), (78, 15429), (85, 15456), (100, 15510), (108, 15537), (121, 15588), (122, 15591), (123, 15597), (124, 15600), (137, 15654), (143, 15669), (159, 15714), (167, 15738), (174, 15753), (191, 15804), (238, 15900), (308, 16086), (318, 16116), (321, 16125), (347, 16182), (375, 16233), (388, 16269), (392, 16275),

Gene: PotatoSplit_29 Start: 19012, Stop: 20382, Start Num: 53
Candidate Starts for PotatoSplit_29:
(Start: 53 @19012 has 355 MA's), (78, 19108), (85, 19132), (87, 19138), (142, 19363), (164, 19429), (182, 19486), (212, 19564), (270, 19696), (306, 19783), (364, 19924), (400, 20020), (405, 20062), (416, 20122), (419, 20194), (422, 20239), (426, 20305), (427, 20329), (428, 20335),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 36
Candidate Starts for Poushou_18:
(Start: 36 @16550 has 36 MA's), (Start: 38 @16553 has 1 MA's), (71, 16637), (107, 16775), (196, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for Power_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 46
Candidate Starts for Priamo_30:
(Start: 46 @19009 has 280 MA's), (67, 19063), (78, 19102), (88, 19138), (107, 19207), (140, 19354), (149, 19384), (163, 19423), (164, 19426), (178, 19471), (200, 19531), (255, 19657), (284, 19729), (345, 19879), (349, 19888),

Gene: Prinashe11_23 Start: 18616, Stop: 19629, Start Num: 53
Candidate Starts for Prinashe11_23:
(Start: 53 @18616 has 355 MA's), (78, 18712), (87, 18745), (88, 18748), (98, 18787), (133, 18922), (148, 18982), (149, 18988), (156, 19006), (164, 19030), (177, 19072), (303, 19384), (345, 19486), (389, 19576),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 46
Candidate Starts for Priya_28:
(Start: 46 @20558 has 280 MA's), (58, 20576), (74, 20633), (78, 20651), (88, 20687), (133, 20867), (140, 20903), (149, 20933), (164, 20975), (222, 21134), (284, 21278), (309, 21341), (338, 21416), (345, 21428), (356, 21452),

Gene: Prudy_30 Start: 20964, Stop: 21977, Start Num: 46
Candidate Starts for Prudy_30:
(Start: 46 @20964 has 280 MA's), (78, 21057), (88, 21093), (98, 21132), (149, 21339), (163, 21378), (164, 21381), (178, 21426), (200, 21486), (255, 21612), (271, 21645), (345, 21834),

Gene: PsychoKiller_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for PsychoKiller_17:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 46
Candidate Starts for Pukovnik_29:
(Start: 46 @20677 has 280 MA's), (74, 20752), (78, 20770), (98, 20845), (102, 20860), (133, 20986), (149, 21052), (163, 21091), (164, 21094), (167, 21103), (195, 21184), (212, 21235), (345, 21550), (356, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 36
Candidate Starts for PullumCavea_30:
(Start: 36 @25004 has 36 MA's), (74, 25109), (91, 25178), (93, 25184), (100, 25208), (105, 25223), (238, 25583), (245, 25598), (252, 25616), (293, 25718), (309, 25760), (321, 25796), (367, 25892), (390, 25943),

Gene: Pumbaa_26 Start: 18465, Stop: 19805, Start Num: 53
Candidate Starts for Pumbaa_26:
(11, 18267), (16, 18324), (20, 18363), (22, 18396), (Start: 53 @18465 has 355 MA's), (58, 18477), (74, 18543), (78, 18561), (87, 18591), (117, 18714), (140, 18810), (164, 18882), (178, 18927), (182, 18939), (240, 19083), (306, 19236), (346, 19338), (364, 19377), (387, 19422), (397, 19443), (400, 19467), (406, 19509), (421, 19650), (422, 19662), (427, 19752), (428, 19758), (429, 19797),

Gene: Pumpkiney_35 Start: 27100, Stop: 28077, Start Num: 26
Candidate Starts for Pumpkiney_35:
(Start: 26 @27100 has 29 MA's), (62, 27175), (64, 27187), (74, 27223), (84, 27259), (114, 27361), (123, 27415), (140, 27487), (160, 27550), (163, 27559), (180, 27616), (192, 27649), (205, 27682), (208, 27685), (227, 27742), (273, 27838), (283, 27871), (286, 27880), (295, 27901), (308, 27928), (314, 27949), (318, 27958), (320, 27964), (332, 27997), (333, 28000), (359, 28054), (368, 28066),

Gene: Puppy_27 Start: 18153, Stop: 19526, Start Num: 53
Candidate Starts for Puppy_27:
(Start: 53 @18153 has 355 MA's), (74, 18231), (78, 18249), (87, 18279), (107, 18351), (164, 18570), (165, 18573), (178, 18615), (182, 18627), (270, 18837), (306, 18924), (346, 19026), (364, 19065), (387, 19116), (400, 19161), (405, 19203), (413, 19230), (416, 19266), (417, 19317), (422, 19383), (424, 19410), (426, 19449), (427, 19473), (428, 19479),

Gene: PurpleHaze_28 Start: 19089, Stop: 20462, Start Num: 53
Candidate Starts for PurpleHaze_28:
(Start: 53 @19089 has 355 MA's), (78, 19185), (85, 19209), (87, 19215), (142, 19440), (164, 19506), (182, 19563), (212, 19641), (270, 19773), (306, 19860), (313, 19881), (364, 20001), (387, 20052), (400, 20097), (405, 20139), (408, 20148), (422, 20319), (426, 20385), (427, 20409), (428, 20415),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 46
Candidate Starts for Qobbit_28:
(Start: 46 @20557 has 280 MA's), (58, 20575), (74, 20632), (78, 20650), (88, 20686), (133, 20866), (140, 20902), (149, 20932), (164, 20974), (222, 21133), (284, 21277), (309, 21340), (338, 21415), (345, 21427), (356, 21451),

Gene: Quasar_17 Start: 15373, Stop: 16344, Start Num: 49
Candidate Starts for Quasar_17:
(Start: 49 @15373 has 68 MA's), (66, 15418), (71, 15439), (85, 15502), (91, 15526), (100, 15556), (111, 15595), (121, 15634), (123, 15643), (124, 15646), (141, 15712), (159, 15760), (175, 15802), (191, 15850), (215, 15901), (238, 15961), (245, 15976), (246, 15979), (251, 15997), (255, 16003), (274, 16048), (282, 16075), (289, 16093), (307, 16144), (308, 16147), (318, 16177), (321, 16186), (325, 16201), (353, 16258), (381, 16306), (388, 16330), (392, 16336),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 46
Candidate Starts for Quby_17:
(Start: 46 @15700 has 280 MA's), (60, 15724), (66, 15751), (67, 15754), (71, 15769), (78, 15802), (107, 15898), (140, 16033), (144, 16042), (163, 16102), (164, 16105), (192, 16183), (197, 16198), (209, 16222), (244, 16291), (254, 16315), (261, 16333), (281, 16384), (291, 16411), (309, 16459), (318, 16486), (361, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 46
Candidate Starts for QueenB2_27:
(Start: 46 @19223 has 280 MA's), (74, 19298), (78, 19316), (88, 19352), (98, 19391), (149, 19598), (163, 19637), (164, 19640), (271, 19907), (309, 20009), (338, 20084), (345, 20096), (389, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for QueenBeesly_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: QuinnKiro_26 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for QuinnKiro_26:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 46
Candidate Starts for Quokka_25:
(Start: 46 @18067 has 280 MA's), (67, 18121), (74, 18142), (78, 18160), (98, 18235), (149, 18442), (163, 18481), (164, 18484), (178, 18529), (255, 18712), (271, 18745), (309, 18847), (345, 18934), (389, 19024),

Gene: RADical_18 Start: 14765, Stop: 15736, Start Num: 49
Candidate Starts for RADical_18:
(Start: 49 @14765 has 68 MA's), (66, 14810), (71, 14831), (85, 14894), (91, 14918), (100, 14948), (111, 14987), (121, 15026), (123, 15035), (124, 15038), (141, 15104), (159, 15152), (175, 15194), (191, 15242), (215, 15293), (238, 15353), (245, 15368), (246, 15371), (251, 15389), (255, 15395), (274, 15440), (282, 15467), (289, 15485), (308, 15539), (318, 15569), (321, 15578), (325, 15593), (353, 15650), (381, 15698), (388, 15722), (392, 15728),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 120
Candidate Starts for REQ2_19:
(120, 18255), (128, 18288), (130, 18300), (170, 18435), (181, 18471), (231, 18618), (240, 18642), (250, 18669), (288, 18762), (298, 18792), (317, 18852), (349, 18936), (354, 18948), (383, 19008), (396, 19041), (399, 19053), (401, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 48

Candidate Starts for REQ3_49:
(Start: 48 @31366 has 2 MA's), (62, 31399), (64, 31411), (85, 31492), (119, 31615), (123, 31633), (133, 31669), (164, 31774), (176, 31813), (245, 31927), (246, 31930), (306, 32029), (345, 32131), (376, 32191), (401, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 53
Candidate Starts for RER2_15:
(Start: 53 @12352 has 355 MA's), (64, 12391), (85, 12472), (87, 12478), (106, 12547), (124, 12625), (138, 12685), (164, 12763), (216, 12859), (309, 12988), (315, 13006), (338, 13063), (345, 13075), (365, 13117), (401, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 53
Candidate Starts for RGL3_15:
(Start: 53 @12514 has 355 MA's), (69, 12574), (87, 12640), (102, 12697), (106, 12709), (133, 12820), (148, 12877), (164, 12925), (180, 12976), (309, 13150), (318, 13174), (327, 13201), (338, 13225), (345, 13237),

Gene: RSchmailzl_18 Start: 14908, Stop: 15879, Start Num: 49
Candidate Starts for RSchmailzl_18:
(Start: 49 @14908 has 68 MA's), (66, 14953), (71, 14974), (85, 15037), (91, 15061), (100, 15091), (111, 15130), (121, 15169), (123, 15178), (124, 15181), (141, 15247), (159, 15295), (175, 15337), (191, 15385), (215, 15436), (238, 15496), (245, 15511), (246, 15514), (251, 15532), (255, 15538), (274, 15583), (282, 15610), (289, 15628), (307, 15679), (308, 15682), (318, 15712), (321, 15721), (325, 15736), (353, 15793), (381, 15841), (388, 15865), (392, 15871),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 35
Candidate Starts for Rabbitrun_29:
(Start: 35 @22682 has 2 MA's), (Start: 44 @22697 has 7 MA's), (67, 22754), (74, 22784), (86, 22829), (95, 22862), (107, 22898), (123, 22973), (131, 23003), (132, 23006), (140, 23042), (156, 23105), (157, 23108), (162, 23123), (172, 23153), (177, 23168), (185, 23189), (209, 23249), (211, 23255), (276, 23402), (283, 23426), (305, 23483), (329, 23540), (339, 23564), (347, 23579),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 46
Candidate Starts for Rachaly_30:
(Start: 46 @20827 has 280 MA's), (78, 20920), (88, 20956), (98, 20995), (149, 21202), (163, 21241), (164, 21244), (178, 21289), (212, 21379), (255, 21472), (271, 21505), (309, 21607), (338, 21682), (345, 21694), (389, 21784),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for Rahalelujah_26:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (107, 18785), (140, 18932), (149, 18962), (164, 19004), (200, 19109), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (266, 19265), (309, 19379), (327, 19430), (338, 19454), (345, 19466), (389, 19556),

Gene: RanchParmCat_20 Start: 14513, Stop: 15472, Start Num: 49
Candidate Starts for RanchParmCat_20:
(21, 14438), (Start: 49 @14513 has 68 MA's), (60, 14534), (67, 14561), (68, 14564), (122, 14777), (123, 14783), (137, 14840), (158, 14897), (159, 14900), (191, 14990), (224, 15059), (238, 15092), (299, 15251), (307, 15272), (308, 15275), (318, 15305), (321, 15314), (323, 15320), (329, 15338), (347, 15371), (350, 15380), (353, 15386), (382, 15437), (388, 15458), (392, 15464),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 53
Candidate Starts for Rasputin_22:

(Start: 53 @15448 has 355 MA's), (64, 15487), (85, 15568), (87, 15574), (106, 15643), (124, 15721), (131, 15748), (164, 15859), (216, 15955), (309, 16084), (315, 16102), (345, 16171), (401, 16309),

Gene: Ravana_29 Start: 18083, Stop: 19060, Start Num: 50
Candidate Starts for Ravana_29:
(Start: 50 @18083 has 24 MA's), (85, 18197), (87, 18203), (88, 18206), (146, 18440), (251, 18707), (282, 18761), (345, 18917),

Gene: RayTheFireFly_18 Start: 16585, Stop: 17532, Start Num: 47
Candidate Starts for RayTheFireFly_18:
(Start: 47 @16585 has 67 MA's), (104, 16780), (123, 16861), (126, 16873), (148, 16945), (154, 16951), (159, 16966), (191, 17056), (194, 17062), (228, 17125), (238, 17149), (240, 17155), (255, 17191), (282, 17260), (296, 17302), (307, 17329), (323, 17371), (324, 17374), (328, 17386), (353, 17437), (370, 17461), (393, 17515),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 50
Candidate Starts for ReMo_29:
(Start: 50 @18119 has 24 MA's), (85, 18233), (87, 18239), (88, 18242), (146, 18476), (251, 18743), (282, 18797), (345, 18953),

Gene: Reba_29 Start: 18755, Stop: 20128, Start Num: 53
Candidate Starts for Reba_29:
(Start: 53 @18755 has 355 MA's), (78, 18851), (85, 18875), (87, 18881), (142, 19106), (164, 19172), (182, 19229), (212, 19307), (270, 19439), (306, 19526), (313, 19547), (364, 19667), (387, 19718), (400, 19763), (405, 19805), (408, 19814), (422, 19985), (426, 20051), (427, 20075), (428, 20081),

Gene: Rebeuca_27 Start: 18626, Stop: 19990, Start Num: 53
Candidate Starts for Rebeuca_27:
(20, 18524), (Start: 53 @18626 has 355 MA's), (74, 18704), (78, 18722), (87, 18752), (88, 18755), (109, 18833), (138, 18965), (164, 19043), (177, 19085), (303, 19391), (306, 19397), (321, 19442), (324, 19451), (346, 19502), (387, 19586), (400, 19631), (406, 19673), (409, 19682), (417, 19781), (422, 19847), (427, 19937), (428, 19943),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for Red305_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: RedBaron_19 Start: 14808, Stop: 15779, Start Num: 49
Candidate Starts for RedBaron_19:
(Start: 49 @14808 has 68 MA's), (66, 14853), (71, 14874), (85, 14937), (91, 14961), (100, 14991), (111, 15030), (121, 15069), (123, 15078), (124, 15081), (141, 15147), (159, 15195), (175, 15237), (191, 15285), (215, 15336), (238, 15396), (245, 15411), (246, 15414), (251, 15432), (255, 15438), (274, 15483), (282, 15510), (289, 15528), (307, 15579), (308, 15582), (318, 15612), (321, 15621), (325, 15636), (353, 15693), (381, 15741), (388, 15765), (392, 15771),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 46
Candidate Starts for RedRock_30:
(Start: 46 @21090 has 280 MA's), (58, 21108), (74, 21165), (78, 21183), (88, 21219), (98, 21258), (149, 21465), (163, 21504), (164, 21507), (178, 21552), (255, 21738), (271, 21771), (303, 21858), (345, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 46
Candidate Starts for Refuge_30:
(Start: 46 @22099 has 280 MA's), (74, 22174), (78, 22192), (88, 22228), (98, 22267), (149, 22474), (163, 22513), (164, 22516), (223, 22681), (246, 22729), (345, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 39
Candidate Starts for Reindeer_25:
(Start: 39 @21276 has 3 MA's), (Start: 41 @21279 has 21 MA's), (75, 21378), (76, 21381), (81, 21399), (85, 21414), (107, 21486), (109, 21495), (129, 21573), (138, 21621), (163, 21711), (164, 21714), (171, 21732), (187, 21783), (197, 21807), (208, 21825), (209, 21831), (258, 21936), (275, 21972), (281, 21993), (320, 22101), (336, 22128), (342, 22140),

Gene: Relief_26 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for Relief_26:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (397, 19466), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 50
Candidate Starts for Remus_29:
(Start: 50 @18083 has 24 MA's), (85, 18197), (87, 18203), (88, 18206), (146, 18440), (251, 18707), (282, 18761), (345, 18917),

Gene: ResDef_27 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for ResDef_27:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 46
Candidate Starts for Retro23_27:
(Start: 46 @19253 has 280 MA's), (74, 19328), (78, 19346), (88, 19382), (98, 19421), (149, 19628), (163, 19667), (164, 19670), (271, 19937), (309, 20039), (338, 20114), (345, 20126), (389, 20216), (391, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 53
Candidate Starts for RexFury_22:
(Start: 53 @15511 has 355 MA's), (64, 15550), (85, 15631), (87, 15637), (106, 15706), (124, 15784), (138, 15844), (164, 15922), (216, 16018), (309, 16147), (315, 16165), (338, 16222), (345, 16234), (365, 16276), (401, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 41
Candidate Starts for Rey_31:
(Start: 41 @22233 has 21 MA's), (Start: 48 @22242 has 2 MA's), (67, 22296), (76, 22335), (81, 22353), (85, 22368), (106, 22437), (163, 22665), (164, 22668), (208, 22779), (209, 22785), (275, 22926), (284, 22956), (304, 23007), (360, 23130),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Rhodalysa_22:

(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: RhynO_27 Start: 18586, Stop: 19947, Start Num: 53
Candidate Starts for RhynO_27:
(20, 18484), (Start: 53 @18586 has 355 MA's), (74, 18664), (78, 18682), (87, 18712), (88, 18715), (109, 18793), (138, 18925), (164, 19003), (177, 19045), (208, 19123), (303, 19351), (306, 19357), (321, 19402), (324, 19411), (331, 19432), (346, 19459), (364, 19498), (387, 19543), (400, 19588), (403, 19615), (417, 19738), (422, 19804), (427, 19894), (428, 19900),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 32
Candidate Starts for Ribeye_34:
(Start: 32 @29836 has 53 MA's), (82, 29977), (85, 29992), (93, 30022), (96, 30034), (100, 30046), (105, 30061), (108, 30073), (116, 30100), (118, 30115), (125, 30142), (152, 30232), (166, 30268), (188, 30328), (211, 30364), (238, 30424), (277, 30514), (309, 30604), (316, 30628), (321, 30640), (350, 30706), (358, 30721), (373, 30745),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 46
Candidate Starts for Rifter_30:
(Start: 46 @18949 has 280 MA's), (58, 18967), (67, 19003), (78, 19042), (107, 19147), (149, 19324), (163, 19363), (164, 19366), (193, 19453), (200, 19474), (284, 19672), (345, 19822), (349, 19831), (389, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 32
Candidate Starts for RiverRaider_34:
(Start: 32 @28121 has 53 MA's), (82, 28265), (85, 28280), (93, 28310), (96, 28322), (105, 28349), (108, 28361), (110, 28370), (125, 28430), (152, 28520), (166, 28556), (186, 28604), (188, 28616), (198, 28640), (206, 28646), (238, 28712), (277, 28802), (309, 28892), (316, 28916), (321, 28928), (323, 28934), (331, 28958), (379, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 26
Candidate Starts for RoadKill_29:
(Start: 26 @26072 has 29 MA's), (31, 26084), (Start: 46 @26111 has 280 MA's), (64, 26159), (78, 26213), (100, 26291), (123, 26387), (131, 26420), (140, 26459), (180, 26588), (192, 26621), (208, 26657), (283, 26843), (295, 26873), (308, 26900), (320, 26936), (332, 26969), (355, 27017), (368, 27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 53
Candidate Starts for Roary_23:
(Start: 53 @17600 has 355 MA's), (85, 17723), (87, 17729), (107, 17801), (133, 17906), (136, 17933), (164, 18023), (240, 18224), (253, 18254), (255, 18257), (338, 18467), (358, 18506), (384, 18554), (389, 18569),

Gene: RockieBear_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for RockieBear_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Rocksand_26 Start: 18486, Stop: 19826, Start Num: 53
Candidate Starts for Rocksand_26:

(11, 18288), (16, 18345), (20, 18384), (22, 18417), (Start: 53 @18486 has 355 MA's), (58, 18498), (74, 18564), (78, 18582), (87, 18612), (117, 18735), (140, 18831), (164, 18903), (178, 18948), (182, 18960), (240, 19104), (306, 19257), (346, 19359), (364, 19398), (387, 19443), (397, 19464), (400, 19488), (406, 19530), (421, 19671), (422, 19683), (427, 19773), (428, 19779), (429, 19818),

Gene: Rockstar_26 Start: 18464, Stop: 19837, Start Num: 53
Candidate Starts for Rockstar_26:
(Start: 53 @18464 has 355 MA's), (74, 18542), (78, 18560), (87, 18590), (107, 18662), (164, 18881), (165, 18884), (178, 18926), (182, 18938), (306, 19235), (334, 19316), (346, 19337), (387, 19427), (400, 19472), (415, 19568), (417, 19628), (422, 19694), (424, 19721), (426, 19760), (427, 19784), (428, 19790),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 32
Candidate Starts for Rofo_34:
(Start: 32 @29848 has 53 MA's), (93, 30034), (96, 30046), (105, 30073), (110, 30094), (125, 30154), (150, 30241), (152, 30244), (166, 30280), (179, 30313), (186, 30328), (188, 30340), (206, 30370), (211, 30376), (238, 30436), (277, 30526), (309, 30616), (316, 30640), (321, 30652), (350, 30718), (373, 30757), (379, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 36
Candidate Starts for RogerDodger_33:
(Start: 36 @25794 has 36 MA's), (74, 25890), (91, 25959), (93, 25965), (100, 25989), (105, 26004), (166, 26214), (204, 26292), (228, 26337), (238, 26361), (257, 26400), (293, 26496), (309, 26538), (321, 26574), (355, 26649), (367, 26670), (390, 26721),

Gene: Roimos_26 Start: 18506, Stop: 19879, Start Num: 53
Candidate Starts for Roimos_26:
(Start: 53 @18506 has 355 MA's), (74, 18584), (78, 18602), (87, 18632), (88, 18635), (107, 18704), (164, 18923), (165, 18926), (178, 18968), (182, 18980), (306, 19277), (334, 19358), (346, 19379), (387, 19469), (400, 19514), (405, 19556), (416, 19619), (417, 19670), (418, 19673), (422, 19736), (424, 19763), (426, 19802), (427, 19826), (428, 19832),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 46
Candidate Starts for Roksolana_30:
(Start: 46 @18977 has 280 MA's), (58, 18995), (67, 19031), (78, 19070), (107, 19175), (149, 19352), (163, 19391), (164, 19394), (193, 19481), (200, 19502), (255, 19628), (284, 19700), (345, 19850), (349, 19859), (389, 19940),

Gene: Romney_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Romney_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Ronaldo_55 Start: 27945, Stop: 28892, Start Num: 40
Candidate Starts for Ronaldo_55:
(Start: 40 @27945 has 8 MA's), (Start: 42 @27948 has 12 MA's), (82, 28068), (108, 28164), (134, 28266), (158, 28332), (165, 28353), (167, 28359), (183, 28410), (191, 28434), (238, 28527), (257, 28566), (299, 28677), (300, 28683), (305, 28692), (307, 28698), (318, 28731), (321, 28740), (324, 28749), (329, 28764), (370, 28839), (377, 28851), (382, 28863), (388, 28884),

Gene: Roosevelt_26 Start: 18490, Stop: 19830, Start Num: 53

Candidate Starts for Roosevelt_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Rosa24_25 Start: 18540, Stop: 19802, Start Num: 74
Candidate Starts for Rosa24_25:
(16, 18321), (19, 18351), (20, 18360), (22, 18393), (Start: 53 @18462 has 355 MA's), (58, 18474), (74, 18540), (78, 18558), (87, 18588), (140, 18807), (164, 18879), (178, 18924), (240, 19080), (303, 19227), (306, 19233), (346, 19335), (364, 19374), (400, 19464), (421, 19647), (422, 19659), (427, 19749), (429, 19794),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for Rosalind_29:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for Rose5_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 41
Candidate Starts for RoseMarie_27:
(Start: 41 @21674 has 21 MA's), (76, 21776), (81, 21794), (85, 21809), (109, 21890), (129, 21968), (138, 22016), (163, 22106), (164, 22109), (171, 22127), (187, 22178), (209, 22226), (249, 22313), (265, 22346), (285, 22400), (320, 22496), (336, 22523), (342, 22535),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 47
Candidate Starts for Rossetti_17:
(Start: 47 @16094 has 67 MA's), (60, 16118), (67, 16148), (88, 16229), (101, 16274), (162, 16499), (163, 16502), (164, 16505), (196, 16592), (208, 16616), (209, 16622), (211, 16628), (244, 16691), (249, 16709), (258, 16727), (259, 16730), (281, 16784), (285, 16796), (309, 16859), (318, 16886), (342, 16949), (361, 16988), (366, 17000),

Gene: Rowdy_30 Start: 18497, Stop: 19858, Start Num: 53
Candidate Starts for Rowdy_30:
(20, 18395), (Start: 53 @18497 has 355 MA's), (74, 18575), (78, 18593), (87, 18623), (88, 18626), (109, 18704), (138, 18836), (164, 18914), (177, 18956), (208, 19034), (303, 19262), (306, 19268), (321, 19313), (324, 19322), (331, 19343), (346, 19370), (387, 19454), (400, 19499), (403, 19526), (417, 19649), (422, 19715), (427, 19805), (428, 19811),

Gene: Ruin_26 Start: 18486, Stop: 19826, Start Num: 53
Candidate Starts for Ruin_26:
(11, 18288), (16, 18345), (20, 18384), (22, 18417), (Start: 53 @18486 has 355 MA's), (58, 18498), (74, 18564), (78, 18582), (87, 18612), (140, 18831), (164, 18903), (178, 18948), (182, 18960), (240, 19104), (306, 19257), (346, 19359), (364, 19398), (387, 19443), (397, 19464), (400, 19488), (406, 19530), (421, 19671), (422, 19683), (427, 19773), (428, 19779), (429, 19818),

Gene: Rummer_28 Start: 19096, Stop: 20466, Start Num: 53

Candidate Starts for Rummer_28:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (364, 20008), (400, 20104), (405, 20146), (416, 20206), (419, 20278), (422, 20323), (426, 20389), (427, 20413), (428, 20419),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 47
Candidate Starts for Rumpelstiltskin_17:
(Start: 47 @16080 has 67 MA's), (60, 16104), (67, 16134), (101, 16260), (119, 16332), (162, 16485), (163, 16488), (164, 16491), (175, 16521), (196, 16578), (208, 16602), (209, 16608), (244, 16677), (249, 16695), (259, 16716), (285, 16782), (309, 16845), (361, 16974), (366, 16986),

Gene: RyeScarlet_28 Start: 20531, Stop: 21544, Start Num: 46
Candidate Starts for RyeScarlet_28:
(Start: 46 @20531 has 280 MA's), (58, 20549), (74, 20606), (78, 20624), (88, 20660), (133, 20840), (140, 20876), (149, 20906), (164, 20948), (222, 21107), (284, 21251), (309, 21314), (338, 21389), (345, 21401), (356, 21425),

Gene: Sabertooth_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Sabertooth_26:
(11, 18289), (16, 18346), (18, 18364), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Sabia_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for Sabia_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: Sabinator_28 Start: 19010, Stop: 20380, Start Num: 53
Candidate Starts for Sabinator_28:
(Start: 53 @19010 has 355 MA's), (78, 19106), (85, 19130), (87, 19136), (142, 19361), (164, 19427), (182, 19484), (212, 19562), (270, 19694), (306, 19781), (364, 19922), (400, 20018), (405, 20060), (416, 20120), (419, 20192), (422, 20237), (426, 20303), (427, 20327), (428, 20333),

Gene: Sachima_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for Sachima_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 53
Candidate Starts for Saintus_23:
(Start: 53 @17615 has 355 MA's), (85, 17738), (87, 17744), (107, 17816), (133, 17921), (136, 17948), (164, 18038), (240, 18239), (253, 18269), (255, 18272), (338, 18482), (358, 18521), (384, 18569), (389, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 36
Candidate Starts for Salvador_30:
(Start: 36 @24918 has 36 MA's), (74, 25023), (91, 25092), (93, 25098), (100, 25122), (105, 25137), (238, 25497), (245, 25512), (252, 25530), (293, 25632), (309, 25674), (321, 25710), (355, 25785), (367, 25806), (390, 25857),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 46
Candidate Starts for Salz_27:
(Start: 46 @19727 has 280 MA's), (67, 19784), (85, 19859), (117, 19988), (133, 20048), (148, 20108), (149, 20114), (164, 20156), (178, 20201), (180, 20207), (212, 20291), (230, 20324), (345, 20606), (349, 20615), (356, 20630), (389, 20696),

Gene: SamW_16 Start: 15117, Stop: 16283, Start Num: 46
Candidate Starts for SamW_16:
(Start: 46 @15117 has 280 MA's), (85, 15246), (162, 15528), (172, 15558), (180, 15585), (196, 15627), (213, 15672), (263, 15810), (280, 15858), (287, 15876), (290, 15885), (330, 16005), (351, 16053), (380, 16110), (402, 16206), (404, 16215), (408, 16230), (410, 16242), (412, 16248), (414, 16272),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 26
Candidate Starts for Sampson_34:
(Start: 26 @29722 has 29 MA's), (62, 29797), (64, 29809), (74, 29845), (84, 29881), (114, 29983), (123, 30037), (140, 30109), (160, 30172), (163, 30181), (180, 30238), (192, 30271), (205, 30304), (208, 30307), (227, 30364), (273, 30460), (283, 30493), (286, 30502), (295, 30523), (308, 30550), (314, 30571), (318, 30580), (320, 30586), (332, 30619), (333, 30622), (359, 30676), (368, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 47
Candidate Starts for Samty_18:
(Start: 47 @16493 has 67 MA's), (60, 16517), (71, 16562), (74, 16577), (78, 16598), (107, 16694), (140, 16829), (144, 16838), (163, 16898), (164, 16901), (166, 16907), (192, 16979), (208, 17012), (244, 17087), (267, 17141), (276, 17162), (292, 17213), (309, 17255), (361, 17366), (363, 17369),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 32
Candidate Starts for Sanjuju_32:
(Start: 32 @30017 has 53 MA's), (93, 30203), (96, 30215), (105, 30242), (110, 30263), (125, 30323), (150, 30410), (152, 30413), (166, 30449), (179, 30482), (186, 30497), (188, 30509), (206, 30539), (211, 30545), (238, 30605), (277, 30695), (309, 30785), (316, 30809), (321, 30821), (350, 30887), (379, 30938),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 32
Candidate Starts for Saronaya_33:
(Start: 32 @28679 has 53 MA's), (82, 28820), (93, 28865), (96, 28877), (100, 28889), (105, 28904), (108, 28916), (116, 28943), (118, 28958), (125, 28985), (152, 29075), (166, 29111), (188, 29171), (211, 29207), (238, 29267), (277, 29357), (309, 29447), (316, 29471), (321, 29483), (350, 29549), (358, 29564), (373, 29588), (379, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 47
Candidate Starts for Sarshaun_17:
(Start: 47 @16107 has 67 MA's), (67, 16161), (101, 16287), (119, 16359), (162, 16512), (163, 16515), (164, 16518), (175, 16548), (196, 16605), (208, 16629), (209, 16635), (244, 16704), (249, 16722), (259, 16743), (281, 16797), (285, 16809), (309, 16872), (361, 17001), (366, 17013),

Gene: Saskia_27 Start: 19730, Stop: 20752, Start Num: 46
Candidate Starts for Saskia_27:
(Start: 46 @19730 has 280 MA's), (67, 19787), (85, 19862), (117, 19991), (133, 20051), (148, 20111), (149, 20117), (164, 20159), (178, 20204), (180, 20210), (212, 20294), (230, 20327), (345, 20609), (349, 20618), (356, 20633), (389, 20699),

Gene: SaturnRing_26 Start: 18534, Stop: 19907, Start Num: 53

Candidate Starts for SaturnRing_26:
(Start: 53 @18534 has 355 MA's), (74, 18612), (78, 18630), (87, 18660), (107, 18732), (164, 18951), (165, 18954), (178, 18996), (182, 19008), (270, 19218), (306, 19305), (346, 19407), (364, 19446), (387, 19497), (400, 19542), (405, 19584), (413, 19611), (416, 19647), (417, 19698), (422, 19764), (424, 19791), (426, 19830), (427, 19854), (428, 19860),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 36
Candidate Starts for Savbucketdawg_30:
(Start: 36 @24699 has 36 MA's), (74, 24804), (91, 24873), (93, 24879), (100, 24903), (105, 24918), (238, 25278), (245, 25293), (252, 25311), (293, 25413), (309, 25455), (321, 25491), (367, 25587), (390, 25638),

Gene: Scamp_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Scamp_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Scherzo_28:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: Schnabeltier_18 Start: 16103, Stop: 16966, Start Num: 70
Candidate Starts for Schnabeltier_18:
(14, 15905), (15, 15908), (Start: 32 @16022 has 53 MA's), (Start: 47 @16040 has 67 MA's), (Start: 56 @16049 has 6 MA's), (68, 16091), (Start: 70 @16103 has 1 MA's), (126, 16325), (139, 16370), (148, 16394), (154, 16400), (157, 16409), (159, 16415), (169, 16445), (180, 16475), (191, 16505), (194, 16511), (226, 16571), (228, 16574), (238, 16598), (264, 16655), (274, 16676), (296, 16742), (323, 16811), (388, 16949),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 32
Candidate Starts for SchottB_32:
(Start: 32 @29694 has 53 MA's), (93, 29880), (96, 29892), (100, 29904), (105, 29919), (108, 29931), (116, 29958), (118, 29973), (125, 30000), (152, 30090), (166, 30126), (188, 30186), (198, 30210), (211, 30222), (238, 30282), (277, 30372), (316, 30486), (321, 30498), (350, 30564), (358, 30579), (373, 30603), (379, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 26
Candidate Starts for Scioto_34:
(Start: 26 @29777 has 29 MA's), (62, 29852), (64, 29864), (74, 29900), (84, 29936), (114, 30038), (123, 30092), (140, 30164), (160, 30227), (163, 30236), (180, 30293), (192, 30326), (205, 30359), (208, 30362), (227, 30419), (273, 30515), (283, 30548), (286, 30557), (295, 30578), (308, 30605), (314, 30626), (318, 30635), (320, 30641), (332, 30674), (333, 30677), (359, 30731), (368, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 53
Candidate Starts for Scorpia_24:
(Start: 53 @17939 has 355 MA's), (87, 18068), (88, 18071), (98, 18110), (133, 18245), (138, 18275), (148, 18305), (149, 18311), (156, 18329), (164, 18353), (177, 18395), (345, 18809), (389, 18899),

Gene: Scout_26 Start: 17837, Stop: 19210, Start Num: 53

Candidate Starts for Scout_26:
(Start: 53 @17837 has 355 MA's), (74, 17915), (78, 17933), (87, 17963), (88, 17966), (107, 18035), (164, 18254), (165, 18257), (178, 18299), (182, 18311), (306, 18608), (334, 18689), (346, 18710), (387, 18800), (400, 18845), (405, 18887), (416, 18950), (417, 19001), (418, 19004), (422, 19067), (424, 19094), (426, 19133), (427, 19157), (428, 19163),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 32
Candidate Starts for Sedona_34:
(Start: 32 @30954 has 53 MA's), (93, 31140), (96, 31152), (105, 31179), (152, 31350), (166, 31386), (179, 31419), (186, 31434), (188, 31446), (206, 31476), (211, 31482), (238, 31542), (277, 31632), (309, 31722), (316, 31746), (321, 31758), (350, 31824), (358, 31839), (373, 31863), (379, 31875),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 46
Candidate Starts for SemperFi_29:
(Start: 46 @19522 has 280 MA's), (74, 19597), (78, 19615), (88, 19651), (98, 19690), (149, 19897), (163, 19936), (164, 19939), (271, 20206), (309, 20308), (338, 20383), (345, 20395), (389, 20485),

Gene: Sendy_31 Start: 25124, Stop: 26068, Start Num: 36
Candidate Starts for Sendy_31:
(Start: 36 @25124 has 36 MA's), (74, 25229), (91, 25298), (93, 25304), (100, 25328), (105, 25343), (238, 25703), (245, 25718), (252, 25736), (293, 25838), (309, 25880), (321, 25916), (367, 26012), (390, 26063),

Gene: SenorClean_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for SenorClean_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 44
Candidate Starts for Sephiroth_27:
(Start: 44 @21043 has 7 MA's), (Start: 56 @21058 has 6 MA's), (131, 21349), (156, 21451), (162, 21469), (164, 21475), (208, 21586), (209, 21592), (232, 21640), (263, 21718), (265, 21721), (267, 21724), (284, 21772), (305, 21826), (319, 21868), (337, 21904), (339, 21907), (347, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 46
Candidate Starts for Serenity_26:
(Start: 46 @18134 has 280 MA's), (67, 18188), (74, 18209), (78, 18227), (98, 18302), (140, 18479), (149, 18509), (163, 18548), (164, 18551), (178, 18596), (255, 18779), (309, 18914), (338, 18989), (345, 19001),

Gene: Severus_25 Start: 16524, Stop: 17891, Start Num: 53
Candidate Starts for Severus_25:
(Start: 53 @16524 has 355 MA's), (74, 16602), (78, 16620), (87, 16650), (88, 16653), (164, 16941), (177, 16983), (240, 17142), (303, 17289), (306, 17295), (324, 17349), (346, 17403), (362, 17439), (386, 17481), (387, 17487), (400, 17532), (407, 17577), (417, 17682), (422, 17748), (423, 17757), (424, 17775), (427, 17838), (428, 17844),

Gene: Shaka_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Shaka_26:
(16, 18349), (19, 18379), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240,

19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Sham4_27:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: Shapes_30 Start: 18497, Stop: 19858, Start Num: 53
Candidate Starts for Shapes_30:
(20, 18395), (Start: 53 @18497 has 355 MA's), (74, 18575), (78, 18593), (87, 18623), (88, 18626), (109, 18704), (138, 18836), (164, 18914), (177, 18956), (208, 19034), (303, 19262), (306, 19268), (321, 19313), (324, 19322), (331, 19343), (346, 19370), (387, 19454), (400, 19499), (403, 19526), (417, 19649), (422, 19715), (427, 19805), (428, 19811),

Gene: SharkTale_30 Start: 25728, Stop: 26660, Start Num: 36
Candidate Starts for SharkTale_30:
(Start: 36 @25728 has 36 MA's), (74, 25824), (91, 25893), (93, 25899), (96, 25911), (97, 25914), (100, 25923), (105, 25938), (152, 26112), (166, 26148), (225, 26265), (238, 26295), (293, 26430), (307, 26466), (316, 26496), (321, 26508), (355, 26583), (367, 26604),

Gene: ShawBrad_19 Start: 15516, Stop: 16439, Start Num: 54
Candidate Starts for ShawBrad_19:
(Start: 54 @15516 has 16 MA's), (Start: 56 @15519 has 6 MA's), (60, 15531), (64, 15549), (75, 15594), (85, 15633), (96, 15672), (106, 15705), (108, 15711), (123, 15780), (139, 15837), (140, 15840), (145, 15852), (157, 15876), (159, 15882), (165, 15900), (186, 15954), (188, 15966), (191, 15972), (204, 15993), (228, 16041), (235, 16059), (238, 16065), (245, 16080), (246, 16083), (307, 16236), (308, 16239), (310, 16245), (323, 16278), (329, 16296), (347, 16329), (375, 16380), (382, 16395), (395, 16431),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for ShayRa_30:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 46
Candidate Starts for SheaKeira_27:
(Start: 46 @18709 has 280 MA's), (58, 18727), (67, 18763), (74, 18784), (78, 18802), (88, 18838), (117, 18958), (133, 19018), (140, 19054), (149, 19084), (164, 19126), (216, 19276), (260, 19372), (262, 19378), (338, 19576), (345, 19588), (349, 19597), (356, 19612), (389, 19678),

Gene: SheckWes_16 Start: 14462, Stop: 15418, Start Num: 49
Candidate Starts for SheckWes_16:
(Start: 49 @14462 has 68 MA's), (66, 14507), (85, 14591), (100, 14645), (108, 14672), (121, 14723), (122, 14726), (123, 14732), (124, 14735), (137, 14789), (143, 14804), (159, 14849), (167, 14873), (174, 14888), (191, 14939), (238, 15035), (307, 15218), (308, 15221), (318, 15251), (321, 15260), (347, 15317), (375, 15368), (388, 15404), (392, 15410),

Gene: SheldonCooper_27 Start: 18802, Stop: 20142, Start Num: 53
Candidate Starts for SheldonCooper_27:
(16, 18661), (19, 18691), (20, 18700), (22, 18733), (Start: 53 @18802 has 355 MA's), (74, 18880), (78, 18898), (87, 18928), (140, 19147), (164, 19219), (178, 19264), (182, 19276), (240, 19420), (303,

19567), (306, 19573), (346, 19675), (364, 19714), (400, 19804), (421, 19987), (422, 19999), (427, 20089), (428, 20095), (429, 20134),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 71
Candidate Starts for Sheng711_17:
(Start: 46 @15692 has 280 MA's), (60, 15716), (66, 15743), (67, 15746), (71, 15761), (78, 15794), (107, 15890), (140, 16025), (144, 16034), (163, 16094), (164, 16097), (192, 16175), (197, 16190), (209, 16214), (229, 16247), (244, 16283), (254, 16307), (261, 16325), (265, 16334), (281, 16376), (291, 16403), (309, 16451), (318, 16478), (361, 16562),

Gene: Shep_26 Start: 17552, Stop: 18925, Start Num: 53
Candidate Starts for Shep_26:
(Start: 53 @17552 has 355 MA's), (74, 17630), (78, 17648), (87, 17678), (88, 17681), (107, 17750), (164, 17969), (165, 17972), (178, 18014), (182, 18026), (306, 18323), (334, 18404), (346, 18425), (387, 18515), (400, 18560), (405, 18602), (416, 18665), (417, 18716), (418, 18719), (422, 18782), (424, 18809), (426, 18848), (427, 18872), (428, 18878),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 36
Candidate Starts for Shinji_30:
(Start: 36 @24894 has 36 MA's), (74, 24999), (91, 25068), (93, 25074), (100, 25098), (105, 25113), (238, 25473), (245, 25488), (252, 25506), (293, 25608), (309, 25650), (321, 25686), (367, 25782), (390, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 32
Candidate Starts for Shivanishola_35:
(Start: 32 @29916 has 53 MA's), (93, 30102), (96, 30114), (105, 30141), (152, 30312), (166, 30348), (179, 30381), (186, 30396), (188, 30408), (206, 30438), (211, 30444), (238, 30504), (277, 30594), (309, 30684), (316, 30708), (321, 30720), (350, 30786), (358, 30801), (373, 30825), (379, 30837),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Shuman_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (309, 16116), (315, 16134), (345, 16203), (401, 16341),

Gene: Shygu2_26 Start: 18480, Stop: 19820, Start Num: 52
Candidate Starts for Shygu2_26:
(Start: 52 @18480 has 21 MA's), (74, 18558), (78, 18576), (140, 18825), (148, 18849), (164, 18897), (178, 18942), (182, 18954), (216, 19044), (306, 19251), (346, 19353), (364, 19392), (400, 19482), (409, 19533), (411, 19542), (421, 19665), (422, 19677), (427, 19767), (429, 19812),

Gene: SilverChicken_18 Start: 12813, Stop: 13742, Start Num: 42
Candidate Starts for SilverChicken_18:
(Start: 42 @12813 has 12 MA's), (68, 12873), (78, 12924), (106, 13023), (108, 13029), (113, 13044), (145, 13164), (155, 13182), (178, 13248), (183, 13260), (204, 13305), (225, 13344), (228, 13350), (238, 13374), (239, 13377), (240, 13380), (245, 13389), (246, 13392), (276, 13458), (282, 13479), (283, 13482), (296, 13518), (307, 13545), (308, 13548), (323, 13587), (329, 13605), (331, 13611), (350, 13647), (353, 13653), (367, 13677), (372, 13683), (375, 13689),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for Silverleaf_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309,

16624), (339, 16690), (342, 16696), (361, 16735),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 32
Candidate Starts for Sitar_34:
(Start: 32 @31006 has 53 MA's), (93, 31192), (96, 31204), (105, 31231), (110, 31252), (125, 31312), (150, 31399), (152, 31402), (166, 31438), (179, 31471), (186, 31486), (188, 31498), (206, 31528), (211, 31534), (238, 31594), (277, 31684), (309, 31774), (316, 31798), (321, 31810), (350, 31876), (379, 31927), (390, 31957),

Gene: Sixsevenium_31 Start: 24839, Stop: 25771, Start Num: 36
Candidate Starts for Sixsevenium_31:
(Start: 36 @24839 has 36 MA's), (74, 24935), (91, 25004), (93, 25010), (96, 25022), (97, 25025), (100, 25034), (105, 25049), (152, 25223), (166, 25259), (225, 25376), (238, 25406), (293, 25541), (307, 25577), (316, 25607), (321, 25619), (355, 25694), (367, 25715),

Gene: Skadoosh_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Skadoosh_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: SketchMex_16 Start: 14412, Stop: 15383, Start Num: 49
Candidate Starts for SketchMex_16:
(Start: 49 @14412 has 68 MA's), (66, 14457), (71, 14478), (85, 14541), (91, 14565), (100, 14595), (121, 14673), (123, 14682), (124, 14685), (141, 14751), (159, 14799), (175, 14841), (186, 14871), (191, 14889), (215, 14940), (238, 15000), (245, 15015), (246, 15018), (255, 15042), (282, 15114), (289, 15132), (307, 15183), (308, 15186), (318, 15216), (321, 15225), (325, 15240), (353, 15297), (381, 15345), (388, 15369), (392, 15375),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for Skinny_28:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Skipitt_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for Skipitt_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Sknot_27 Start: 19201, Stop: 20217, Start Num: 46
Candidate Starts for Sknot_27:
(Start: 46 @19201 has 280 MA's), (74, 19276), (78, 19294), (88, 19330), (98, 19369), (140, 19546), (149, 19576), (163, 19615), (164, 19618), (345, 20074), (356, 20098),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 41
Candidate Starts for SlimJimmy_26:
(Start: 41 @21443 has 21 MA's), (76, 21545), (81, 21563), (85, 21578), (107, 21650), (109, 21659), (129, 21737), (162, 21872), (163, 21875), (164, 21878), (187, 21947), (208, 21989), (209, 21995), (275, 22136), (281, 22157), (285, 22169), (336, 22292), (342, 22304),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 53
Candidate Starts for Smeadley_23:
(Start: 53 @17633 has 355 MA's), (85, 17756), (87, 17762), (107, 17834), (133, 17939), (136, 17966), (164, 18056), (240, 18257), (253, 18287), (255, 18290), (338, 18500), (358, 18539), (384, 18587), (389, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 46
Candidate Starts for Smeagan_29:
(Start: 46 @19679 has 280 MA's), (74, 19754), (78, 19772), (88, 19808), (98, 19847), (149, 20054), (163, 20093), (164, 20096), (193, 20183), (271, 20363), (309, 20465), (338, 20540), (345, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for SmellyB_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 36
Candidate Starts for SmokingBunny_30:
(Start: 36 @24909 has 36 MA's), (74, 25014), (91, 25083), (93, 25089), (100, 25113), (105, 25128), (238, 25488), (245, 25503), (252, 25521), (293, 25623), (309, 25665), (321, 25701), (367, 25797), (390, 25848),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for SnapTap_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Snape_27:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 47
Candidate Starts for Snenia_18:
(Start: 47 @16491 has 67 MA's), (60, 16515), (71, 16560), (74, 16575), (78, 16596), (107, 16692), (140, 16827), (144, 16836), (163, 16896), (164, 16899), (166, 16905), (192, 16977), (208, 17010), (211, 17022), (244, 17085), (267, 17139), (276, 17160), (292, 17211), (309, 17253), (361, 17364), (363, 17367),

Gene: Snickers_28 Start: 18986, Stop: 20356, Start Num: 53
Candidate Starts for Snickers_28:
(Start: 53 @18986 has 355 MA's), (78, 19082), (85, 19106), (87, 19112), (142, 19337), (164, 19403), (182, 19460), (212, 19538), (270, 19670), (306, 19757), (364, 19898), (400, 19994), (405, 20036), (416, 20096), (419, 20168), (422, 20213), (426, 20279), (427, 20303), (428, 20309),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 47
Candidate Starts for SoJulia_17:
(Start: 47 @16073 has 67 MA's), (60, 16097), (67, 16127), (101, 16253), (119, 16325), (162, 16478), (163, 16481), (164, 16484), (175, 16514), (196, 16571), (208, 16595), (209, 16601), (244, 16670), (249, 16688), (259, 16709), (285, 16775), (309, 16838), (361, 16967), (366, 16979),

Gene: SoYo_28 Start: 18923, Stop: 20293, Start Num: 53
Candidate Starts for SoYo_28:
(Start: 53 @18923 has 355 MA's), (78, 19019), (85, 19043), (87, 19049), (142, 19274), (164, 19340), (182, 19397), (212, 19475), (270, 19607), (306, 19694), (331, 19769), (364, 19835), (400, 19931), (405, 19973), (416, 20033), (419, 20105), (422, 20150), (426, 20216), (427, 20240), (428, 20246),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 47
Candidate Starts for Soap141_17:
(Start: 47 @16107 has 67 MA's), (67, 16161), (101, 16287), (119, 16359), (162, 16512), (163, 16515), (164, 16518), (175, 16548), (196, 16605), (208, 16629), (209, 16635), (244, 16704), (249, 16722), (259, 16743), (281, 16797), (285, 16809), (309, 16872), (361, 17001), (366, 17013),

Gene: Socotra_18 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Socotra_18:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (307, 15535), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: SoilDragon_28 Start: 18700, Stop: 20070, Start Num: 53
Candidate Starts for SoilDragon_28:
(Start: 53 @18700 has 355 MA's), (78, 18796), (85, 18820), (87, 18826), (142, 19051), (164, 19117), (182, 19174), (212, 19252), (270, 19384), (306, 19471), (364, 19612), (400, 19708), (405, 19750), (416, 19810), (419, 19882), (422, 19927), (426, 19993), (427, 20017), (428, 20023),

Gene: Sopespian_17 Start: 14765, Stop: 15736, Start Num: 49
Candidate Starts for Sopespian_17:
(Start: 49 @14765 has 68 MA's), (66, 14810), (71, 14831), (85, 14894), (91, 14918), (100, 14948), (111, 14987), (121, 15026), (123, 15035), (124, 15038), (141, 15104), (159, 15152), (175, 15194), (191, 15242), (215, 15293), (238, 15353), (245, 15368), (246, 15371), (251, 15389), (255, 15395), (274, 15440), (282, 15467), (289, 15485), (308, 15539), (318, 15569), (321, 15578), (325, 15593), (353, 15650), (381, 15698), (388, 15722), (392, 15728),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 46
Candidate Starts for SororFago_26:
(Start: 46 @18177 has 280 MA's), (58, 18195), (67, 18231), (74, 18252), (78, 18270), (111, 18390), (140, 18522), (149, 18552), (163, 18591), (164, 18594), (246, 18804), (260, 18840), (284, 18906), (345, 19056), (356, 19080),

Gene: Soshari_30 Start: 19095, Stop: 20465, Start Num: 53
Candidate Starts for Soshari_30:
(Start: 53 @19095 has 355 MA's), (78, 19191), (85, 19215), (87, 19221), (142, 19446), (164, 19512), (182, 19569), (212, 19647), (270, 19779), (306, 19866), (364, 20007), (400, 20103), (405, 20145), (416, 20205), (419, 20277), (422, 20322), (426, 20388), (427, 20412), (428, 20418),

Gene: Soul22_18 Start: 12811, Stop: 13740, Start Num: 42
Candidate Starts for Soul22_18:
(Start: 42 @12811 has 12 MA's), (68, 12871), (78, 12922), (106, 13021), (108, 13027), (113, 13042), (145, 13162), (155, 13180), (178, 13246), (183, 13258), (204, 13303), (225, 13342), (228, 13348), (238, 13372), (239, 13375), (240, 13378), (276, 13456), (282, 13477), (283, 13480), (296, 13516), (307, 13543), (308, 13546), (323, 13585), (329, 13603), (331, 13609), (350, 13645), (367, 13675), (372, 13681), (375, 13687),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 50
Candidate Starts for Soups_29:
(Start: 50 @18241 has 24 MA's), (85, 18355), (87, 18361), (88, 18364), (146, 18598), (251, 18865), (282, 18919), (345, 19075),

Gene: Sparxx_26 Start: 18488, Stop: 19828, Start Num: 53
Candidate Starts for Sparxx_26:
(11, 18290), (16, 18347), (20, 18386), (22, 18419), (Start: 53 @18488 has 355 MA's), (58, 18500), (74, 18566), (78, 18584), (87, 18614), (117, 18737), (140, 18833), (164, 18905), (178, 18950), (182, 18962), (240, 19106), (306, 19259), (346, 19361), (364, 19400), (387, 19445), (400, 19490), (406, 19532), (421, 19673), (422, 19685), (427, 19775), (428, 19781), (429, 19820),

Gene: Spike509_28 Start: 19096, Stop: 20466, Start Num: 53
Candidate Starts for Spike509_28:
(Start: 53 @19096 has 355 MA's), (78, 19192), (85, 19216), (87, 19222), (142, 19447), (164, 19513), (182, 19570), (212, 19648), (270, 19780), (306, 19867), (364, 20008), (400, 20104), (405, 20146), (416, 20206), (419, 20278), (422, 20323), (426, 20389), (427, 20413), (428, 20419),

Gene: Spino_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Spino_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Spooky_19 Start: 15489, Stop: 16412, Start Num: 54
Candidate Starts for Spooky_19:
(Start: 54 @15489 has 16 MA's), (Start: 56 @15492 has 6 MA's), (60, 15504), (64, 15522), (75, 15567), (78, 15582), (83, 15594), (85, 15606), (96, 15645), (106, 15678), (123, 15753), (137, 15807), (140, 15813), (157, 15849), (159, 15855), (186, 15927), (188, 15939), (191, 15945), (224, 16005), (228, 16014), (238, 16038), (245, 16053), (246, 16056), (271, 16110), (307, 16209), (308, 16212), (310, 16218), (323, 16251), (328, 16266), (329, 16269), (348, 16305),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 46
Candidate Starts for Spouty_28:
(Start: 46 @20557 has 280 MA's), (58, 20575), (74, 20632), (78, 20650), (88, 20686), (133, 20866), (140, 20902), (149, 20932), (164, 20974), (222, 21133), (284, 21277), (309, 21340), (338, 21415), (345, 21427), (356, 21451),

Gene: Squiddly_21 Start: 16901, Stop: 17824, Start Num: 54
Candidate Starts for Squiddly_21:
(Start: 54 @16901 has 16 MA's), (Start: 56 @16904 has 6 MA's), (60, 16916), (64, 16934), (75, 16979), (78, 16994), (83, 17006), (85, 17018), (96, 17057), (106, 17090), (123, 17165), (137, 17219), (139, 17222), (140, 17225), (145, 17237), (155, 17255), (157, 17261), (159, 17267), (186, 17339), (188, 17351), (191, 17357), (204, 17378), (228, 17426), (238, 17450), (245, 17465), (246, 17468), (307, 17621), (308, 17624), (310, 17630), (323, 17663), (328, 17678), (329, 17681), (348, 17717), (375, 17765),

Gene: StAB_16 Start: 15144, Stop: 16310, Start Num: 46
Candidate Starts for StAB_16:
(Start: 46 @15144 has 280 MA's), (85, 15273), (116, 15384), (162, 15555), (164, 15561), (172, 15585), (180, 15612), (196, 15654), (213, 15699), (241, 15786), (243, 15789), (263, 15837), (269, 15852),

(280, 15885), (287, 15903), (290, 15912), (301, 15945), (312, 15978), (327, 16023), (330, 16032), (335, 16044), (339, 16056), (351, 16080), (380, 16137), (398, 16185), (402, 16233), (404, 16242), (408, 16257), (410, 16269), (412, 16275), (414, 16299),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for StCroix_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Stagni_28 Start: 19014, Stop: 20384, Start Num: 53
Candidate Starts for Stagni_28:
(Start: 53 @19014 has 355 MA's), (78, 19110), (85, 19134), (87, 19140), (142, 19365), (164, 19431), (182, 19488), (212, 19566), (270, 19698), (306, 19785), (364, 19926), (400, 20022), (405, 20064), (416, 20124), (419, 20196), (422, 20241), (426, 20307), (427, 20331), (428, 20337),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for StarStuff_30:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (138, 19381), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: Starburst_18 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Starburst_18:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (307, 15535), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: Stasia_27 Start: 18928, Stop: 20268, Start Num: 52
Candidate Starts for Stasia_27:
(Start: 52 @18928 has 21 MA's), (74, 19006), (78, 19024), (87, 19054), (140, 19273), (148, 19297), (164, 19345), (178, 19390), (182, 19402), (306, 19699), (346, 19801), (364, 19840), (397, 19906), (400, 19930), (409, 19981), (411, 19990), (421, 20113), (422, 20125), (427, 20215), (428, 20221),

Gene: SteMason_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for SteMason_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: SteamedHams_19 Start: 14430, Stop: 15401, Start Num: 49
Candidate Starts for SteamedHams_19:
(Start: 49 @14430 has 68 MA's), (66, 14475), (71, 14496), (74, 14511), (78, 14532), (91, 14583), (100, 14613), (108, 14640), (121, 14691), (123, 14700), (124, 14703), (137, 14757), (141, 14769), (159, 14817), (191, 14907), (215, 14958), (225, 14988), (238, 15018), (246, 15036), (282, 15132), (289, 15150), (307, 15201), (308, 15204), (318, 15234), (321, 15243), (325, 15258), (353, 15315), (381, 15363), (388, 15387), (392, 15393),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 46
Candidate Starts for Steamy_28:

(Start: 46 @20226 has 280 MA's), (74, 20301), (78, 20319), (88, 20355), (98, 20394), (107, 20424), (149, 20601), (164, 20643), (193, 20730), (303, 20997), (345, 21099),

Gene: StepMih_28 Start: 19005, Stop: 20375, Start Num: 53
Candidate Starts for StepMih_28:
(Start: 53 @19005 has 355 MA's), (78, 19101), (85, 19125), (87, 19131), (142, 19356), (164, 19422), (182, 19479), (212, 19557), (270, 19689), (306, 19776), (364, 19917), (400, 20013), (405, 20055), (416, 20115), (419, 20187), (422, 20232), (426, 20298), (427, 20322), (428, 20328),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 53
Candidate Starts for Stephig9_23:
(Start: 53 @17614 has 355 MA's), (85, 17737), (87, 17743), (107, 17815), (133, 17920), (138, 17950), (164, 18037), (208, 18157), (240, 18238), (253, 18268), (255, 18271), (303, 18391), (338, 18481), (358, 18520), (384, 18568), (389, 18583),

Gene: Stichling_31 Start: 28214, Stop: 29170, Start Num: 32
Candidate Starts for Stichling_31:
(Start: 32 @28214 has 53 MA's), (93, 28400), (96, 28412), (100, 28424), (105, 28439), (108, 28451), (116, 28478), (118, 28493), (125, 28520), (152, 28610), (166, 28646), (188, 28706), (198, 28730), (211, 28742), (238, 28802), (277, 28892), (316, 29006), (321, 29018), (350, 29084), (358, 29099), (373, 29123), (379, 29135),

Gene: Stiles_16 Start: 14922, Stop: 16088, Start Num: 46
Candidate Starts for Stiles_16:
(Start: 46 @14922 has 280 MA's), (85, 15051), (162, 15333), (172, 15363), (180, 15390), (196, 15432), (213, 15477), (241, 15564), (243, 15567), (263, 15615), (269, 15630), (280, 15663), (287, 15681), (290, 15690), (301, 15723), (327, 15801), (335, 15822), (339, 15834), (351, 15858), (380, 15915), (398, 15963), (402, 16011), (404, 16020), (408, 16035), (410, 16047), (412, 16053), (414, 16077),

Gene: Stink_27 Start: 18769, Stop: 20109, Start Num: 52
Candidate Starts for Stink_27:
(Start: 52 @18769 has 21 MA's), (74, 18847), (78, 18865), (87, 18895), (140, 19114), (164, 19186), (178, 19231), (182, 19243), (240, 19387), (270, 19453), (306, 19540), (346, 19642), (364, 19681), (400, 19771), (409, 19822), (411, 19831), (421, 19954), (422, 19966), (427, 20056), (429, 20101),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 32
Candidate Starts for StorminNorm_33:
(Start: 32 @28561 has 53 MA's), (93, 28747), (96, 28759), (100, 28771), (105, 28786), (108, 28798), (116, 28825), (118, 28840), (125, 28867), (152, 28957), (166, 28993), (188, 29053), (198, 29077), (211, 29089), (238, 29149), (277, 29239), (316, 29353), (321, 29365), (350, 29431), (358, 29446), (373, 29470), (379, 29482),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 50
Candidate Starts for Strosahl_29:
(Start: 50 @18083 has 24 MA's), (85, 18197), (87, 18203), (88, 18206), (146, 18440), (251, 18707), (282, 18761), (345, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 32
Candidate Starts for Stultus_32:
(Start: 32 @28933 has 53 MA's), (93, 29119), (96, 29131), (105, 29158), (110, 29179), (125, 29239), (150, 29326), (152, 29329), (166, 29365), (179, 29398), (186, 29413), (188, 29425), (206, 29455), (211, 29461), (238, 29521), (277, 29611), (309, 29701), (316, 29725), (321, 29737), (350, 29803), (373, 29842), (379, 29854), (390, 29884),

Gene: Sultana_26 Start: 18491, Stop: 19831, Start Num: 53
Candidate Starts for Sultana_26:
(11, 18293), (16, 18350), (20, 18389), (22, 18422), (Start: 53 @18491 has 355 MA's), (58, 18503), (74, 18569), (78, 18587), (87, 18617), (117, 18740), (140, 18836), (164, 18908), (178, 18953), (182, 18965), (240, 19109), (306, 19262), (346, 19364), (364, 19403), (387, 19448), (397, 19469), (400, 19493), (406, 19535), (421, 19676), (422, 19688), (427, 19778), (428, 19784), (429, 19823),

Gene: SummitAcademy_16 Start: 14542, Stop: 15498, Start Num: 49
Candidate Starts for SummitAcademy_16:
(Start: 49 @14542 has 68 MA's), (66, 14587), (78, 14644), (85, 14671), (100, 14725), (108, 14752), (121, 14803), (122, 14806), (123, 14812), (124, 14815), (137, 14869), (143, 14884), (159, 14929), (167, 14953), (174, 14968), (191, 15019), (238, 15115), (308, 15301), (318, 15331), (321, 15340), (347, 15397), (375, 15448), (388, 15484), (392, 15490),

Gene: Sunhee_26 Start: 18210, Stop: 19235, Start Num: 43
Candidate Starts for Sunhee_26:
(Start: 43 @18210 has 2 MA's), (78, 18306), (88, 18342), (89, 18345), (133, 18522), (140, 18558), (149, 18588), (164, 18630), (178, 18675), (200, 18735), (260, 18876), (262, 18882), (345, 19092), (356, 19116), (389, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 46
Candidate Starts for SuperAwesome_30:
(Start: 46 @18959 has 280 MA's), (67, 19013), (78, 19052), (107, 19157), (140, 19304), (149, 19334), (163, 19373), (164, 19376), (178, 19421), (200, 19481), (284, 19679), (345, 19829), (349, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 46
Candidate Starts for SuperCallie99_30:
(Start: 46 @18958 has 280 MA's), (67, 19012), (78, 19051), (107, 19156), (140, 19303), (149, 19333), (163, 19372), (164, 19375), (178, 19420), (200, 19480), (284, 19678), (345, 19828), (349, 19837),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 46
Candidate Starts for Superchunk_26:
(Start: 46 @17822 has 280 MA's), (77, 17915), (81, 17930), (88, 17957), (149, 18203), (163, 18242), (164, 18245), (178, 18290), (212, 18380), (255, 18473), (271, 18506), (309, 18608), (327, 18659), (338, 18683), (345, 18695), (356, 18719), (389, 18785),

Gene: Survivors_19 Start: 15594, Stop: 16559, Start Num: 49
Candidate Starts for Survivors_19:
(Start: 49 @15594 has 68 MA's), (66, 15639), (74, 15675), (78, 15696), (85, 15723), (100, 15777), (121, 15858), (123, 15867), (124, 15870), (141, 15939), (159, 15987), (191, 16077), (198, 16092), (221, 16131), (282, 16287), (307, 16353), (308, 16356), (309, 16359), (318, 16386), (321, 16395), (329, 16419), (347, 16452), (355, 16470), (378, 16515), (388, 16545), (392, 16551),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for Swann_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: SweatNTears_19 Start: 14923, Stop: 15894, Start Num: 49
Candidate Starts for SweatNTears_19:

(Start: 49 @14923 has 68 MA's), (66, 14968), (71, 14989), (85, 15052), (91, 15076), (100, 15106), (121, 15184), (123, 15193), (124, 15196), (141, 15262), (159, 15310), (175, 15352), (186, 15382), (191, 15400), (215, 15451), (238, 15511), (245, 15526), (246, 15529), (255, 15553), (282, 15625), (289, 15643), (307, 15694), (308, 15697), (318, 15727), (321, 15736), (325, 15751), (353, 15808), (381, 15856), (388, 15880), (392, 15886),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 46
Candidate Starts for SweetiePie_27:
(Start: 46 @19105 has 280 MA's), (74, 19180), (78, 19198), (88, 19234), (98, 19273), (149, 19480), (163, 19519), (164, 19522), (271, 19789), (309, 19891), (338, 19966), (345, 19978), (389, 20068),

Gene: SwirlSquare_28 Start: 17991, Stop: 19001, Start Num: 46
Candidate Starts for SwirlSquare_28:
(Start: 46 @17991 has 280 MA's), (74, 18066), (78, 18084), (149, 18366), (163, 18405), (164, 18408), (212, 18543), (255, 18636), (338, 18846), (345, 18858), (356, 18882), (389, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 53
Candidate Starts for Swirley_23:
(Start: 53 @18624 has 355 MA's), (78, 18720), (87, 18753), (88, 18756), (98, 18795), (133, 18930), (148, 18990), (149, 18996), (156, 19014), (164, 19038), (177, 19080), (303, 19392), (345, 19494), (389, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 50
Candidate Starts for Switzerland_29:
(Start: 50 @18234 has 24 MA's), (85, 18348), (87, 18354), (88, 18357), (146, 18591), (251, 18858), (282, 18912), (345, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 53
Candidate Starts for SydNat_23:
(Start: 53 @18826 has 355 MA's), (78, 18922), (87, 18955), (88, 18958), (98, 18997), (112, 19045), (149, 19198), (156, 19216), (164, 19240), (177, 19282), (303, 19594), (345, 19696), (358, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 44
Candidate Starts for Syleon_27:
(Start: 44 @20965 has 7 MA's), (Start: 56 @20980 has 6 MA's), (131, 21271), (156, 21373), (162, 21391), (164, 21397), (208, 21508), (209, 21514), (232, 21562), (263, 21640), (265, 21643), (267, 21646), (284, 21694), (305, 21748), (319, 21790), (337, 21826), (339, 21829), (347, 21844),

Gene: TNguyen7_26 Start: 18504, Stop: 19877, Start Num: 53
Candidate Starts for TNguyen7_26:
(Start: 53 @18504 has 355 MA's), (74, 18582), (78, 18600), (87, 18630), (107, 18702), (164, 18921), (165, 18924), (178, 18966), (182, 18978), (270, 19188), (306, 19275), (346, 19377), (364, 19416), (387, 19467), (400, 19512), (405, 19554), (413, 19581), (416, 19617), (417, 19668), (422, 19734), (424, 19761), (426, 19800), (427, 19824), (428, 19830),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for TWAMP_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (133, 15786), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Tailonex_23 Start: 19675, Stop: 20532, Start Num: 53
Candidate Starts for Tailonex_23:

(Start: 53 @19675 has 355 MA's), (57, 19684), (65, 19717), (74, 19753), (164, 20083), (178, 20125), (184, 20140), (304, 20290), (316, 20326), (318, 20329), (327, 20356), (345, 20392),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 53
Candidate Starts for Takoda_22:
(Start: 53 @15440 has 355 MA's), (64, 15479), (87, 15566), (106, 15635), (124, 15713), (164, 15851), (216, 15947), (309, 16076), (315, 16094), (345, 16163), (401, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 32
Candidate Starts for Tangent_34:
(Start: 32 @29370 has 53 MA's), (93, 29556), (96, 29568), (105, 29595), (110, 29616), (125, 29676), (150, 29763), (152, 29766), (166, 29802), (179, 29835), (186, 29850), (188, 29862), (206, 29892), (211, 29898), (238, 29958), (277, 30048), (309, 30138), (316, 30162), (321, 30174), (350, 30240), (373, 30279), (379, 30291), (390, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 32
Candidate Starts for Tangerine_33:
(Start: 32 @28564 has 53 MA's), (82, 28705), (93, 28750), (96, 28762), (100, 28774), (105, 28789), (108, 28801), (116, 28828), (118, 28843), (125, 28870), (152, 28960), (166, 28996), (188, 29056), (211, 29092), (238, 29152), (277, 29242), (309, 29332), (316, 29356), (321, 29368), (350, 29434), (358, 29449), (373, 29473), (379, 29485),

Gene: Taotie_16 Start: 17535, Stop: 18416, Start Num: 39
Candidate Starts for Taotie_16:
(Start: 39 @17535 has 3 MA's), (125, 17826), (127, 17838), (133, 17862), (157, 17946), (166, 17973), (175, 17997), (184, 18021), (190, 18042), (197, 18060), (211, 18090), (261, 18177), (274, 18204), (315, 18324), (321, 18339), (342, 18378),

Gene: Taquarus_26 Start: 18493, Stop: 19833, Start Num: 53
Candidate Starts for Taquarus_26:
(11, 18295), (16, 18352), (20, 18391), (22, 18424), (Start: 53 @18493 has 355 MA's), (58, 18505), (74, 18571), (78, 18589), (87, 18619), (140, 18838), (164, 18910), (178, 18955), (182, 18967), (240, 19111), (306, 19264), (346, 19366), (364, 19405), (387, 19450), (397, 19471), (400, 19495), (406, 19537), (421, 19678), (422, 19690), (427, 19780), (428, 19786), (429, 19825),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 26
Candidate Starts for Tardus_35:
(Start: 26 @29129 has 29 MA's), (59, 29201), (64, 29225), (74, 29261), (84, 29297), (123, 29453), (140, 29525), (160, 29588), (163, 29597), (180, 29654), (192, 29687), (205, 29720), (208, 29723), (273, 29876), (283, 29909), (286, 29918), (295, 29939), (308, 29966), (314, 29987), (318, 29996), (320, 30002), (332, 30035), (333, 30038), (359, 30092), (368, 30104),

Gene: Tarnish_17 Start: 14832, Stop: 15788, Start Num: 49
Candidate Starts for Tarnish_17:
(Start: 49 @14832 has 68 MA's), (66, 14877), (78, 14934), (85, 14961), (100, 15015), (108, 15042), (121, 15093), (122, 15096), (123, 15102), (124, 15105), (137, 15159), (143, 15174), (159, 15219), (167, 15243), (174, 15258), (191, 15309), (238, 15405), (308, 15591), (318, 15621), (321, 15630), (329, 15654), (347, 15687), (388, 15774), (392, 15780),

Gene: TaronosaurasRx_18 Start: 16056, Stop: 16982, Start Num: 47
Candidate Starts for TaronosaurasRx_18:
(3, 15741), (4, 15765), (5, 15792), (Start: 32 @16038 has 53 MA's), (Start: 47 @16056 has 67 MA's), (Start: 56 @16065 has 6 MA's), (68, 16107), (Start: 70 @16119 has 1 MA's), (126, 16341), (139,

16386), (148, 16410), (154, 16416), (157, 16425), (159, 16431), (169, 16461), (191, 16521), (194, 16527), (226, 16587), (228, 16590), (238, 16614), (264, 16671), (296, 16758), (323, 16827), (348, 16881), (388, 16965),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 46
Candidate Starts for TarsusIV_27:
(Start: 46 @19201 has 280 MA's), (74, 19276), (78, 19294), (88, 19330), (98, 19369), (133, 19510), (149, 19576), (163, 19615), (164, 19618), (255, 19846), (309, 19981), (345, 20068), (356, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 53
Candidate Starts for Tarynearal_22:
(Start: 53 @18646 has 355 MA's), (78, 18742), (87, 18775), (88, 18778), (98, 18817), (133, 18952), (148, 19012), (149, 19018), (156, 19036), (164, 19060), (177, 19102), (303, 19414), (345, 19516), (389, 19606),

Gene: Taurus_28 Start: 19011, Stop: 20381, Start Num: 53
Candidate Starts for Taurus_28:
(Start: 53 @19011 has 355 MA's), (78, 19107), (85, 19131), (87, 19137), (142, 19362), (164, 19428), (182, 19485), (212, 19563), (270, 19695), (306, 19782), (364, 19923), (400, 20019), (405, 20061), (416, 20121), (419, 20193), (422, 20238), (426, 20304), (427, 20328), (428, 20334),

Gene: Temprado_30 Start: 18964, Stop: 19980, Start Num: 46
Candidate Starts for Temprado_30:
(Start: 46 @18964 has 280 MA's), (67, 19018), (78, 19057), (107, 19162), (140, 19309), (149, 19339), (163, 19378), (164, 19381), (193, 19468), (200, 19489), (255, 19615), (284, 19687), (345, 19837), (349, 19846), (389, 19927),

Gene: Terrific_29 Start: 19655, Stop: 20671, Start Num: 46
Candidate Starts for Terrific_29:
(Start: 46 @19655 has 280 MA's), (74, 19730), (78, 19748), (88, 19784), (98, 19823), (140, 20000), (149, 20030), (163, 20069), (164, 20072), (345, 20528), (356, 20552),

Gene: Texage_26 Start: 19086, Stop: 20459, Start Num: 53
Candidate Starts for Texage_26:
(Start: 53 @19086 has 355 MA's), (74, 19164), (78, 19182), (85, 19206), (88, 19215), (109, 19293), (164, 19503), (165, 19506), (178, 19548), (182, 19560), (212, 19638), (306, 19857), (346, 19959), (387, 20049), (400, 20094), (405, 20136), (416, 20199), (417, 20250), (422, 20316), (424, 20343), (426, 20382), (427, 20406), (428, 20412),

Gene: Thanksgivukkah_26 Start: 18494, Stop: 19834, Start Num: 53
Candidate Starts for Thanksgivukkah_26:
(11, 18296), (16, 18353), (20, 18392), (22, 18425), (Start: 53 @18494 has 355 MA's), (58, 18506), (74, 18572), (78, 18590), (87, 18620), (117, 18743), (140, 18839), (164, 18911), (178, 18956), (182, 18968), (240, 19112), (279, 19202), (306, 19265), (346, 19367), (364, 19406), (387, 19451), (397, 19472), (400, 19496), (406, 19538), (421, 19679), (422, 19691), (427, 19781), (428, 19787), (429, 19826),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 53
Candidate Starts for Theia_21:
(Start: 53 @18584 has 355 MA's), (78, 18680), (87, 18713), (88, 18716), (133, 18890), (148, 18950), (149, 18956), (156, 18974), (164, 18998), (177, 19040), (303, 19352), (345, 19454), (358, 19481), (389, 19544),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 32
Candidate Starts for Thing3_33:
(Start: 32 @29854 has 53 MA's), (93, 30040), (96, 30052), (105, 30079), (110, 30100), (125, 30160), (150, 30247), (152, 30250), (166, 30286), (179, 30319), (186, 30334), (188, 30346), (206, 30376), (211, 30382), (238, 30442), (277, 30532), (309, 30622), (316, 30646), (321, 30658), (350, 30724), (358, 30739), (373, 30763), (379, 30775),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 26
Candidate Starts for Tiamoceli_32:
(Start: 26 @27405 has 29 MA's), (31, 27417), (Start: 46 @27444 has 280 MA's), (64, 27492), (65, 27495), (78, 27546), (100, 27624), (123, 27720), (140, 27792), (180, 27921), (192, 27954), (208, 27990), (283, 28176), (295, 28206), (308, 28233), (320, 28269), (332, 28302), (368, 28371),

Gene: Tiffany_28 Start: 18906, Stop: 20276, Start Num: 53
Candidate Starts for Tiffany_28:
(Start: 53 @18906 has 355 MA's), (78, 19002), (85, 19026), (87, 19032), (142, 19257), (164, 19323), (182, 19380), (212, 19458), (270, 19590), (306, 19677), (364, 19818), (400, 19914), (405, 19956), (416, 20016), (419, 20088), (422, 20133), (426, 20199), (427, 20223), (428, 20229),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 53
Candidate Starts for Tiger_23:
(Start: 53 @18468 has 355 MA's), (78, 18564), (87, 18597), (88, 18600), (133, 18774), (148, 18834), (149, 18840), (156, 18858), (164, 18882), (177, 18924), (303, 19236), (345, 19338), (389, 19428),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 36
Candidate Starts for TillyBobJoe_30:
(Start: 36 @24720 has 36 MA's), (74, 24816), (91, 24885), (93, 24891), (100, 24915), (105, 24930), (109, 24948), (166, 25140), (204, 25218), (228, 25263), (238, 25287), (257, 25326), (293, 25422), (309, 25464), (321, 25500), (331, 25530), (355, 25575), (367, 25596), (390, 25647),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 46
Candidate Starts for Timothy_27:
(Start: 46 @19730 has 280 MA's), (67, 19787), (85, 19862), (117, 19991), (133, 20051), (148, 20111), (149, 20117), (164, 20159), (178, 20204), (180, 20210), (212, 20294), (230, 20327), (345, 20609), (349, 20618), (356, 20633), (389, 20699),

Gene: TinaFeyge_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for TinaFeyge_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: TinyPebbles_28 Start: 19095, Stop: 20468, Start Num: 53
Candidate Starts for TinyPebbles_28:
(Start: 53 @19095 has 355 MA's), (78, 19191), (85, 19215), (87, 19221), (142, 19446), (164, 19512), (182, 19569), (212, 19647), (270, 19779), (306, 19866), (334, 19947), (364, 20007), (387, 20058), (400, 20103), (416, 20208), (419, 20280), (422, 20325), (426, 20391), (427, 20415), (428, 20421),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 46
Candidate Starts for TinyTimmy_27:
(Start: 46 @19773 has 280 MA's), (67, 19830), (85, 19905), (117, 20034), (133, 20094), (148, 20154), (149, 20160), (164, 20202), (178, 20247), (180, 20253), (212, 20337), (230, 20370), (345, 20652),

(349, 20661), (356, 20676), (389, 20742),

Gene: Tinybot_25 Start: 18467, Stop: 19807, Start Num: 53
Candidate Starts for Tinybot_25:
(16, 18326), (19, 18356), (20, 18365), (22, 18398), (Start: 53 @18467 has 355 MA's), (74, 18545), (78, 18563), (87, 18593), (140, 18812), (164, 18884), (178, 18929), (240, 19085), (303, 19232), (306, 19238), (346, 19340), (364, 19379), (400, 19469), (421, 19652), (422, 19664), (427, 19754), (429, 19799),

Gene: TipsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 46
Candidate Starts for TipsytheTRex_26:
(Start: 46 @18299 has 280 MA's), (67, 18353), (74, 18374), (78, 18392), (149, 18674), (163, 18713), (164, 18716), (178, 18761), (212, 18851), (255, 18944), (309, 19079), (345, 19166),

Gene: TiroTheta9_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for TiroTheta9_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 46
Candidate Starts for Toaka_26:
(Start: 46 @18892 has 280 MA's), (57, 18907), (58, 18910), (78, 18985), (107, 19090), (133, 19201), (140, 19237), (149, 19267), (164, 19309), (216, 19459), (260, 19555), (262, 19561), (338, 19759), (345, 19771), (349, 19780), (356, 19795),

Gene: Todacoro_27 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Todacoro_27:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 36
Candidate Starts for Togo_30:
(Start: 36 @24909 has 36 MA's), (74, 25014), (91, 25083), (93, 25089), (100, 25113), (105, 25128), (238, 25488), (245, 25503), (252, 25521), (293, 25623), (309, 25665), (321, 25701), (367, 25797), (390, 25848),

Gene: Tolls_19 Start: 14433, Stop: 15404, Start Num: 49
Candidate Starts for Tolls_19:
(Start: 49 @14433 has 68 MA's), (66, 14478), (71, 14499), (74, 14514), (78, 14535), (91, 14586), (100, 14616), (108, 14643), (121, 14694), (123, 14703), (124, 14706), (137, 14760), (141, 14772), (159, 14820), (191, 14910), (215, 14961), (225, 14991), (238, 15021), (246, 15039), (282, 15135), (289, 15153), (307, 15204), (308, 15207), (318, 15237), (321, 15246), (325, 15261), (353, 15318), (381, 15366), (388, 15390), (392, 15396),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for Tomathan_30:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 46
Candidate Starts for ToneTone_28:
(Start: 46 @18890 has 280 MA's), (58, 18908), (67, 18944), (78, 18983), (107, 19088), (149, 19265), (163, 19304), (164, 19307), (193, 19394), (200, 19415), (255, 19541), (284, 19613), (345, 19763), (349, 19772), (389, 19853),

Gene: Topanga_26 Start: 18563, Stop: 19927, Start Num: 53
Candidate Starts for Topanga_26:
(20, 18461), (Start: 53 @18563 has 355 MA's), (74, 18641), (78, 18659), (87, 18689), (88, 18692), (109, 18770), (138, 18902), (164, 18980), (177, 19022), (208, 19100), (306, 19334), (324, 19388), (346, 19439), (387, 19523), (400, 19568), (406, 19610), (409, 19619), (417, 19718), (422, 19784), (427, 19874), (428, 19880),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 36
Candidate Starts for TouchMeNot_18:
(Start: 36 @16550 has 36 MA's), (Start: 38 @16553 has 1 MA's), (71, 16637), (107, 16775), (196, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 47
Candidate Starts for Tourach_17:
(Start: 47 @16072 has 67 MA's), (60, 16096), (67, 16126), (88, 16207), (101, 16252), (162, 16477), (163, 16480), (164, 16483), (196, 16570), (208, 16594), (209, 16600), (244, 16669), (249, 16687), (259, 16708), (281, 16762), (285, 16774), (309, 16837), (361, 16966), (366, 16978),

Gene: TpudiCK_28 Start: 21456, Stop: 22367, Start Num: 41
Candidate Starts for TpudiCK_28:
(Start: 41 @21456 has 21 MA's), (76, 21558), (81, 21576), (85, 21591), (107, 21663), (109, 21672), (129, 21750), (162, 21885), (163, 21888), (164, 21891), (187, 21960), (208, 22002), (209, 22008), (275, 22149), (281, 22170), (285, 22182), (336, 22305), (342, 22317),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 46
Candidate Starts for Travvers_30:
(Start: 46 @19042 has 280 MA's), (67, 19096), (74, 19117), (78, 19135), (121, 19306), (149, 19417), (163, 19456), (164, 19459), (178, 19504), (309, 19822), (338, 19897), (345, 19909), (356, 19933), (389, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 44
Candidate Starts for Trax_27:
(Start: 35 @22683 has 2 MA's), (Start: 44 @22698 has 7 MA's), (67, 22755), (74, 22785), (107, 22899), (123, 22974), (132, 23007), (140, 23043), (162, 23124), (163, 23127), (172, 23154), (175, 23160), (185, 23187), (209, 23247), (211, 23253), (265, 23376), (267, 23379), (276, 23400), (285, 23430), (289, 23439), (304, 23478), (305, 23481), (319, 23523), (329, 23538), (331, 23544), (339, 23562), (347, 23577),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 47
Candidate Starts for TriFive_18:
(Start: 47 @16490 has 67 MA's), (60, 16514), (71, 16559), (74, 16574), (78, 16595), (107, 16691), (140, 16826), (144, 16835), (163, 16895), (164, 16898), (166, 16904), (192, 16976), (208, 17009), (211, 17021), (244, 17084), (267, 17138), (276, 17159), (292, 17210), (309, 17252), (361, 17363), (363, 17366),

Gene: Trike_24 Start: 16532, Stop: 17899, Start Num: 53

Candidate Starts for Trike_24:
(Start: 53 @16532 has 355 MA's), (74, 16610), (78, 16628), (87, 16658), (88, 16661), (164, 16949), (177, 16991), (303, 17297), (306, 17303), (324, 17357), (346, 17411), (362, 17447), (386, 17489), (387, 17495), (400, 17540), (407, 17585), (417, 17690), (422, 17756), (423, 17765), (424, 17783), (427, 17846), (428, 17852),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 46
Candidate Starts for Tristan_28:
(Start: 46 @20795 has 280 MA's), (74, 20870), (78, 20888), (98, 20963), (133, 21104), (149, 21170), (164, 21212), (195, 21302), (208, 21338), (212, 21353), (271, 21479), (303, 21566), (345, 21668), (356, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 46
Candidate Starts for Trixie_30:
(Start: 46 @20845 has 280 MA's), (58, 20863), (74, 20920), (78, 20938), (88, 20974), (98, 21013), (133, 21154), (149, 21220), (163, 21259), (164, 21262), (178, 21307), (200, 21367), (216, 21412), (255, 21493), (271, 21526), (345, 21715), (349, 21724), (391, 21808),

Gene: Troje_17 Start: 14394, Stop: 15365, Start Num: 49
Candidate Starts for Troje_17:
(Start: 49 @14394 has 68 MA's), (66, 14439), (71, 14460), (74, 14475), (85, 14523), (91, 14547), (100, 14577), (121, 14655), (123, 14664), (124, 14667), (141, 14733), (159, 14781), (175, 14823), (191, 14871), (215, 14922), (238, 14982), (245, 14997), (246, 15000), (255, 15024), (282, 15096), (289, 15114), (307, 15165), (308, 15168), (318, 15198), (321, 15207), (325, 15222), (347, 15264), (353, 15279), (381, 15327), (388, 15351), (392, 15357),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 46
Candidate Starts for Trooper_27:
(Start: 46 @19001 has 280 MA's), (74, 19076), (78, 19094), (88, 19130), (98, 19169), (133, 19310), (149, 19376), (163, 19415), (164, 19418), (255, 19646), (309, 19781), (345, 19868), (356, 19892), (389, 19958),

Gene: Troy_16 Start: 15117, Stop: 16283, Start Num: 46
Candidate Starts for Troy_16:
(Start: 46 @15117 has 280 MA's), (85, 15246), (162, 15528), (172, 15558), (180, 15585), (196, 15627), (213, 15672), (263, 15810), (280, 15858), (287, 15876), (290, 15885), (330, 16005), (351, 16053), (380, 16110), (402, 16206), (404, 16215), (408, 16230), (410, 16242), (412, 16248), (414, 16272),

Gene: TroyPia_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for TroyPia_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 46
Candidate Starts for Tubs_28:
(Start: 46 @20527 has 280 MA's), (58, 20545), (74, 20602), (78, 20620), (88, 20656), (133, 20836), (140, 20872), (149, 20902), (164, 20944), (222, 21103), (284, 21247), (309, 21310), (338, 21385), (345, 21397), (356, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 46
Candidate Starts for Tucker_30:

(Start: 46 @18976 has 280 MA's), (58, 18994), (67, 19030), (78, 19069), (107, 19174), (149, 19351), (163, 19390), (164, 19393), (193, 19480), (200, 19501), (255, 19627), (284, 19699), (345, 19849), (349, 19858), (389, 19939),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 46
Candidate Starts for Turbido_29:
(Start: 46 @19682 has 280 MA's), (74, 19757), (78, 19775), (88, 19811), (98, 19850), (149, 20057), (163, 20096), (164, 20099), (193, 20186), (271, 20366), (309, 20468), (338, 20543), (345, 20555),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 53
Candidate Starts for Twigg_23:
(Start: 53 @18619 has 355 MA's), (78, 18715), (87, 18748), (88, 18751), (133, 18925), (148, 18985), (149, 18991), (156, 19009), (164, 19033), (177, 19075), (303, 19387), (345, 19489), (358, 19516), (389, 19579),

Gene: Twister_26 Start: 18462, Stop: 19823, Start Num: 53
Candidate Starts for Twister_26:
(20, 18360), (Start: 53 @18462 has 355 MA's), (74, 18540), (78, 18558), (87, 18588), (88, 18591), (109, 18669), (138, 18801), (164, 18879), (177, 18921), (208, 18999), (306, 19233), (321, 19278), (324, 19287), (331, 19308), (346, 19335), (387, 19419), (400, 19464), (403, 19491), (417, 19614), (422, 19680), (427, 19770), (428, 19776),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 36
Candidate Starts for Twister6_32:
(Start: 36 @25345 has 36 MA's), (74, 25450), (91, 25519), (93, 25525), (100, 25549), (105, 25564), (238, 25924), (245, 25939), (252, 25957), (293, 26059), (309, 26101), (321, 26137), (367, 26233), (390, 26284),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 26
Candidate Starts for Twonlo_29:
(Start: 26 @26023 has 29 MA's), (31, 26035), (Start: 46 @26062 has 280 MA's), (64, 26110), (65, 26113), (78, 26164), (100, 26242), (123, 26338), (131, 26371), (140, 26410), (180, 26539), (192, 26572), (208, 26608), (283, 26794), (295, 26824), (308, 26851), (320, 26887), (332, 26920), (368, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 41
Candidate Starts for TyDawg_27:
(Start: 41 @21457 has 21 MA's), (76, 21559), (81, 21577), (85, 21592), (107, 21664), (109, 21673), (129, 21751), (162, 21886), (163, 21889), (164, 21892), (187, 21961), (208, 22003), (209, 22009), (275, 22150), (281, 22171), (285, 22183), (336, 22306), (342, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 32
Candidate Starts for Tycho_33:
(Start: 32 @28653 has 53 MA's), (85, 28809), (93, 28839), (96, 28851), (100, 28863), (105, 28878), (108, 28890), (152, 29049), (166, 29085), (188, 29145), (211, 29181), (238, 29241), (277, 29331), (309, 29421), (316, 29445), (321, 29457), (350, 29523), (358, 29538), (373, 29562), (379, 29574),

Gene: TygerBlood_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for TygerBlood_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Typhonomachy_17 Start: 14764, Stop: 15735, Start Num: 49
Candidate Starts for Typhonomachy_17:
(Start: 49 @14764 has 68 MA's), (66, 14809), (71, 14830), (85, 14893), (91, 14917), (100, 14947), (111, 14986), (121, 15025), (123, 15034), (124, 15037), (141, 15103), (159, 15151), (175, 15193), (191, 15241), (215, 15292), (238, 15352), (245, 15367), (246, 15370), (251, 15388), (255, 15394), (274, 15439), (282, 15466), (289, 15484), (307, 15535), (308, 15538), (318, 15568), (321, 15577), (325, 15592), (353, 15649), (381, 15697), (388, 15721), (392, 15727),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 46
Candidate Starts for Tyson_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (138, 16192), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (208, 16381), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309, 16624), (339, 16690), (342, 16696), (361, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 34
Candidate Starts for UPIE_17:
(24, 15809), (Start: 34 @15845 has 9 MA's), (Start: 46 @15863 has 280 MA's), (60, 15887), (67, 15917), (71, 15932), (78, 15965), (119, 16109), (163, 16265), (164, 16268), (166, 16274), (182, 16319), (192, 16346), (208, 16379), (209, 16385), (229, 16418), (233, 16427), (244, 16454), (291, 16574), (309, 16622), (339, 16688), (342, 16694), (361, 16733),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 46
Candidate Starts for Ugenie5_25:
(Start: 46 @20560 has 280 MA's), (58, 20578), (74, 20635), (78, 20653), (88, 20689), (133, 20869), (140, 20905), (149, 20935), (164, 20977), (222, 21136), (284, 21280), (309, 21343), (338, 21418), (345, 21430), (356, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 53
Candidate Starts for UhSalsa_22:
(Start: 53 @15480 has 355 MA's), (64, 15519), (85, 15600), (87, 15606), (106, 15675), (124, 15753), (138, 15813), (164, 15891), (216, 15987), (309, 16116), (315, 16134), (338, 16191), (345, 16203), (365, 16245), (401, 16341),

Gene: Ulysses_25 Start: 18211, Stop: 19551, Start Num: 53
Candidate Starts for Ulysses_25:
(11, 18013), (16, 18070), (20, 18109), (22, 18142), (Start: 53 @18211 has 355 MA's), (58, 18223), (74, 18289), (78, 18307), (87, 18337), (140, 18556), (164, 18628), (178, 18673), (182, 18685), (240, 18829), (306, 18982), (346, 19084), (364, 19123), (387, 19168), (400, 19213), (406, 19255), (421, 19396), (422, 19408), (427, 19498), (428, 19504), (429, 19543),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for Underpass_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 53
Candidate Starts for UnionJack_23:
(Start: 53 @17673 has 355 MA's), (78, 17769), (87, 17802), (88, 17805), (98, 17844), (133, 17979), (138, 18009), (148, 18039), (149, 18045), (156, 18063), (164, 18087), (177, 18129), (246, 18300), (345, 18543), (358, 18570), (389, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 46
Candidate Starts for Updawg_29:
(Start: 46 @19643 has 280 MA's), (74, 19718), (78, 19736), (88, 19772), (98, 19811), (140, 19988), (149, 20018), (163, 20057), (164, 20060), (345, 20516), (356, 20540),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 46
Candidate Starts for VA6_27:
(Start: 46 @19197 has 280 MA's), (67, 19251), (74, 19272), (78, 19290), (121, 19461), (149, 19572), (163, 19611), (164, 19614), (178, 19659), (212, 19749), (303, 19962), (309, 19977), (338, 20052), (345, 20064), (356, 20088), (389, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 46
Candidate Starts for VC3_30:
(Start: 46 @19185 has 280 MA's), (67, 19239), (74, 19260), (78, 19278), (121, 19449), (149, 19560), (163, 19599), (164, 19602), (178, 19647), (212, 19737), (303, 19950), (309, 19965), (338, 20040), (345, 20052), (356, 20076), (389, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 36
Candidate Starts for Valary_33:
(Start: 36 @25854 has 36 MA's), (74, 25959), (91, 26028), (93, 26034), (100, 26058), (105, 26073), (238, 26433), (245, 26448), (252, 26466), (293, 26568), (309, 26610), (321, 26646), (367, 26742), (390, 26793),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 36
Candidate Starts for VanDeWege_33:
(Start: 36 @25693 has 36 MA's), (74, 25789), (91, 25858), (93, 25864), (100, 25888), (105, 25903), (152, 26077), (166, 26113), (204, 26191), (238, 26260), (293, 26395), (309, 26437), (321, 26473), (355, 26548), (367, 26569), (390, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 40
Candidate Starts for VanLee_19:
(Start: 40 @15562 has 8 MA's), (67, 15619), (71, 15634), (107, 15769), (140, 15904), (147, 15934), (162, 15970), (163, 15973), (167, 15985), (173, 16006), (184, 16036), (208, 16093), (209, 16099), (218, 16123), (285, 16273), (321, 16369), (352, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for Vanisoa_26:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (140, 18932), (149, 18962), (164, 19004), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (284, 19316), (345, 19466), (349, 19475),

Gene: Veracruz_26 Start: 19085, Stop: 20458, Start Num: 53
Candidate Starts for Veracruz_26:
(Start: 53 @19085 has 355 MA's), (74, 19163), (78, 19181), (85, 19205), (88, 19214), (109, 19292), (164, 19502), (165, 19505), (178, 19547), (182, 19559), (212, 19637), (306, 19856), (346, 19958), (387, 20048), (400, 20093), (405, 20135), (416, 20198), (417, 20249), (422, 20315), (424, 20342), (426, 20381), (427, 20405), (428, 20411),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 26
Candidate Starts for Verity_33:
(Start: 26 @29967 has 29 MA's), (64, 30054), (74, 30090), (84, 30126), (123, 30282), (124, 30285), (140, 30354), (160, 30417), (163, 30426), (192, 30516), (205, 30549), (208, 30552), (273, 30705),

(286, 30747), (295, 30768), (308, 30795), (314, 30816), (318, 30825), (320, 30831), (332, 30864), (333, 30867), (355, 30912), (359, 30921), (368, 30933),

Gene: Vetrix_17 Start: 16080, Stop: 16994, Start Num: 47
Candidate Starts for Vetrix_17:
(Start: 47 @16080 has 67 MA's), (60, 16104), (67, 16134), (101, 16260), (119, 16332), (162, 16485), (163, 16488), (164, 16491), (175, 16521), (196, 16578), (208, 16602), (209, 16608), (244, 16677), (249, 16695), (259, 16716), (285, 16782), (309, 16845), (361, 16974), (366, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 26
Candidate Starts for ViaConlectus_34:
(Start: 26 @28404 has 29 MA's), (59, 28476), (64, 28500), (74, 28536), (84, 28572), (123, 28728), (140, 28800), (160, 28863), (163, 28872), (180, 28929), (192, 28962), (205, 28995), (208, 28998), (256, 29115), (273, 29151), (283, 29184), (286, 29193), (295, 29214), (308, 29241), (318, 29271), (320, 29277), (332, 29310), (333, 29313), (359, 29367), (368, 29379),

Gene: Vine_18 Start: 15477, Stop: 16433, Start Num: 49
Candidate Starts for Vine_18:
(Start: 49 @15477 has 68 MA's), (66, 15522), (78, 15579), (85, 15606), (100, 15660), (108, 15687), (121, 15738), (122, 15741), (123, 15747), (124, 15750), (137, 15804), (143, 15819), (159, 15864), (167, 15888), (174, 15903), (191, 15954), (238, 16050), (308, 16236), (318, 16266), (321, 16275), (329, 16299), (347, 16332), (388, 16419), (392, 16425),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 32
Candidate Starts for Vivi2_36:
(Start: 32 @30528 has 53 MA's), (93, 30714), (96, 30726), (105, 30753), (110, 30774), (125, 30834), (150, 30921), (152, 30924), (166, 30960), (179, 30993), (186, 31008), (188, 31020), (206, 31050), (211, 31056), (238, 31116), (277, 31206), (309, 31296), (316, 31320), (321, 31332), (350, 31398), (373, 31437), (379, 31449),

Gene: Vix_28 Start: 19094, Stop: 20464, Start Num: 53
Candidate Starts for Vix_28:
(Start: 53 @19094 has 355 MA's), (78, 19190), (85, 19214), (87, 19220), (142, 19445), (164, 19511), (182, 19568), (212, 19646), (270, 19778), (306, 19865), (364, 20006), (400, 20102), (405, 20144), (416, 20204), (419, 20276), (422, 20321), (426, 20387), (427, 20411), (428, 20417),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 46
Candidate Starts for VohminGhazi_30:
(Start: 46 @18966 has 280 MA's), (67, 19020), (78, 19059), (107, 19164), (140, 19311), (149, 19341), (163, 19380), (164, 19383), (178, 19428), (200, 19488), (284, 19686), (345, 19836), (349, 19845),

Gene: Volt_54 Start: 27948, Stop: 28892, Start Num: 42
Candidate Starts for Volt_54:
(Start: 40 @27945 has 8 MA's), (Start: 42 @27948 has 12 MA's), (82, 28068), (108, 28164), (134, 28266), (158, 28332), (165, 28353), (167, 28359), (183, 28410), (191, 28434), (238, 28527), (257, 28566), (299, 28677), (300, 28683), (305, 28692), (307, 28698), (318, 28731), (321, 28740), (324, 28749), (329, 28764), (370, 28839), (377, 28851), (382, 28863), (388, 28884),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 50
Candidate Starts for Waits_29:
(Start: 50 @18089 has 24 MA's), (85, 18203), (87, 18209), (88, 18212), (146, 18446), (251, 18713), (282, 18767), (345, 18923),

Gene: Wallaby_21 Start: 15738, Stop: 16703, Start Num: 49
Candidate Starts for Wallaby_21:
(Start: 49 @15738 has 68 MA's), (66, 15783), (78, 15840), (85, 15867), (100, 15921), (121, 16002), (123, 16011), (124, 16014), (141, 16083), (159, 16131), (167, 16155), (191, 16221), (198, 16236), (221, 16275), (282, 16431), (307, 16497), (308, 16500), (309, 16503), (318, 16530), (321, 16539), (329, 16563), (347, 16596), (355, 16614), (378, 16659), (388, 16689), (392, 16695),

Gene: WalterMcMickey_26 Start: 18462, Stop: 19823, Start Num: 53
Candidate Starts for WalterMcMickey_26:
(20, 18360), (Start: 53 @18462 has 355 MA's), (74, 18540), (78, 18558), (87, 18588), (88, 18591), (109, 18669), (138, 18801), (164, 18879), (177, 18921), (208, 18999), (306, 19233), (321, 19278), (324, 19287), (331, 19308), (346, 19335), (387, 19419), (400, 19464), (403, 19491), (417, 19614), (422, 19680), (427, 19770), (428, 19776),

Gene: Wamburgrxpress_17 Start: 15878, Stop: 16759, Start Num: 46
Candidate Starts for Wamburgrxpress_17:
(Start: 34 @15860 has 9 MA's), (Start: 46 @15878 has 280 MA's), (60, 15902), (67, 15932), (71, 15947), (78, 15980), (119, 16124), (138, 16205), (163, 16280), (164, 16283), (166, 16289), (182, 16334), (192, 16361), (208, 16394), (209, 16400), (229, 16433), (233, 16442), (244, 16469), (291, 16589), (309, 16637), (339, 16703), (342, 16709), (361, 16748),

Gene: Wander_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Wander_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (117, 18739), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Warrior24_29 Start: 18093, Stop: 19070, Start Num: 50
Candidate Starts for Warrior24_29:
(Start: 50 @18093 has 24 MA's), (85, 18207), (87, 18213), (88, 18216), (146, 18450), (251, 18717), (282, 18771), (345, 18927),

Gene: Watson_28 Start: 19004, Stop: 20374, Start Num: 53
Candidate Starts for Watson_28:
(Start: 53 @19004 has 355 MA's), (78, 19100), (85, 19124), (87, 19130), (142, 19355), (164, 19421), (182, 19478), (212, 19556), (270, 19688), (306, 19775), (364, 19916), (400, 20012), (405, 20054), (416, 20114), (419, 20186), (422, 20231), (426, 20297), (427, 20321), (428, 20327),

Gene: WeiHuaDA_32 Start: 21452, Stop: 22465, Start Num: 46
Candidate Starts for WeiHuaDA_32:
(Start: 46 @21452 has 280 MA's), (58, 21470), (74, 21527), (78, 21545), (88, 21581), (98, 21620), (149, 21827), (163, 21866), (164, 21869), (178, 21914), (200, 21974), (212, 22007), (253, 22097), (271, 22133), (345, 22322), (349, 22331),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 46
Candidate Starts for Whabigail7_29:
(Start: 46 @19670 has 280 MA's), (74, 19745), (78, 19763), (88, 19799), (98, 19838), (149, 20045), (163, 20084), (164, 20087), (193, 20174), (271, 20354), (309, 20456), (338, 20531), (345, 20543),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 47
Candidate Starts for Whirlwind_19:

(Start: 47 @16247 has 67 MA's), (60, 16271), (71, 16316), (74, 16331), (78, 16352), (107, 16448), (140, 16583), (144, 16592), (163, 16652), (164, 16655), (166, 16661), (192, 16733), (208, 16766), (244, 16841), (276, 16916), (292, 16967), (309, 17009), (361, 17120), (363, 17123),

Gene: Whitney_20 Start: 16305, Stop: 17228, Start Num: 54
Candidate Starts for Whitney_20:
(Start: 54 @16305 has 16 MA's), (Start: 56 @16308 has 6 MA's), (60, 16320), (64, 16338), (75, 16383), (85, 16422), (96, 16461), (106, 16494), (108, 16500), (123, 16569), (137, 16623), (139, 16626), (140, 16629), (145, 16641), (157, 16665), (159, 16671), (165, 16689), (186, 16743), (188, 16755), (191, 16761), (204, 16782), (226, 16827), (228, 16830), (235, 16848), (238, 16854), (245, 16869), (246, 16872), (307, 17025), (308, 17028), (310, 17034), (323, 17067), (329, 17085), (347, 17118), (375, 17169), (382, 17184), (395, 17220),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 46
Candidate Starts for WideWale_29:
(Start: 46 @19643 has 280 MA's), (74, 19718), (78, 19736), (88, 19772), (98, 19811), (140, 19988), (149, 20018), (163, 20057), (164, 20060), (345, 20516), (356, 20540),

Gene: Wigglewiggle_17 Start: 16106, Stop: 17020, Start Num: 47
Candidate Starts for Wigglewiggle_17:
(Start: 47 @16106 has 67 MA's), (60, 16130), (67, 16160), (101, 16286), (119, 16358), (162, 16511), (163, 16514), (164, 16517), (175, 16547), (196, 16604), (208, 16628), (209, 16634), (244, 16703), (249, 16721), (259, 16742), (281, 16796), (285, 16808), (309, 16871), (361, 17000), (366, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for Wiks_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831), (349, 19840), (389, 19921),

Gene: Wilbur_26 Start: 18490, Stop: 19830, Start Num: 53
Candidate Starts for Wilbur_26:
(11, 18292), (16, 18349), (20, 18388), (22, 18421), (Start: 53 @18490 has 355 MA's), (58, 18502), (74, 18568), (78, 18586), (87, 18616), (140, 18835), (164, 18907), (178, 18952), (182, 18964), (240, 19108), (306, 19261), (346, 19363), (364, 19402), (387, 19447), (397, 19468), (400, 19492), (406, 19534), (421, 19675), (422, 19687), (427, 19777), (428, 19783), (429, 19822),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 47
Candidate Starts for Wilder_17:
(Start: 47 @16079 has 67 MA's), (60, 16103), (67, 16133), (101, 16259), (119, 16331), (162, 16484), (163, 16487), (164, 16490), (175, 16520), (196, 16577), (208, 16601), (209, 16607), (244, 16676), (249, 16694), (259, 16715), (281, 16769), (285, 16781), (309, 16844), (361, 16973), (366, 16985),

Gene: Wile_26 Start: 18496, Stop: 19839, Start Num: 52
Candidate Starts for Wile_26:
(Start: 52 @18496 has 21 MA's), (74, 18574), (78, 18592), (87, 18622), (140, 18841), (148, 18865), (164, 18913), (178, 18958), (182, 18970), (216, 19060), (230, 19087), (306, 19267), (346, 19372), (364, 19411), (400, 19501), (409, 19552), (411, 19561), (421, 19684), (422, 19696), (427, 19786), (429, 19831),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 47
Candidate Starts for Winky_17:

(Start: 47 @16074 has 67 MA's), (60, 16098), (67, 16128), (101, 16254), (119, 16326), (162, 16479), (163, 16482), (164, 16485), (175, 16515), (196, 16572), (208, 16596), (209, 16602), (244, 16671), (249, 16689), (259, 16710), (285, 16776), (309, 16839), (361, 16968), (366, 16980),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 36
Candidate Starts for Wizard_30:
(Start: 36 @25052 has 36 MA's), (74, 25157), (91, 25226), (93, 25232), (100, 25256), (105, 25271), (238, 25631), (245, 25646), (252, 25664), (293, 25766), (309, 25808), (321, 25844), (367, 25940), (390, 25991),

Gene: Wizard007_26 Start: 18492, Stop: 19832, Start Num: 53
Candidate Starts for Wizard007_26:
(11, 18294), (16, 18351), (18, 18369), (20, 18390), (22, 18423), (Start: 53 @18492 has 355 MA's), (58, 18504), (74, 18570), (78, 18588), (87, 18618), (117, 18741), (140, 18837), (164, 18909), (178, 18954), (182, 18966), (240, 19110), (306, 19263), (346, 19365), (364, 19404), (387, 19449), (397, 19470), (400, 19494), (406, 19536), (421, 19677), (422, 19689), (427, 19779), (428, 19785), (429, 19824),

Gene: Wolfwood_19 Start: 15738, Stop: 16703, Start Num: 49
Candidate Starts for Wolfwood_19:
(Start: 49 @15738 has 68 MA's), (66, 15783), (74, 15819), (78, 15840), (85, 15867), (100, 15921), (116, 15978), (121, 16002), (123, 16011), (124, 16014), (141, 16083), (159, 16131), (191, 16221), (198, 16236), (221, 16275), (282, 16431), (307, 16497), (308, 16500), (309, 16503), (318, 16530), (321, 16539), (329, 16563), (347, 16596), (355, 16614), (378, 16659), (388, 16689), (392, 16695),

Gene: Wolpertinger_26 Start: 19733, Stop: 20755, Start Num: 46
Candidate Starts for Wolpertinger_26:
(Start: 46 @19733 has 280 MA's), (67, 19790), (85, 19865), (117, 19994), (133, 20054), (148, 20114), (149, 20120), (164, 20162), (178, 20207), (180, 20213), (212, 20297), (230, 20330), (345, 20612), (349, 20621), (356, 20636), (389, 20702),

Gene: Wooldri_30 Start: 18923, Stop: 20293, Start Num: 53
Candidate Starts for Wooldri_30:
(Start: 53 @18923 has 355 MA's), (78, 19019), (85, 19043), (87, 19049), (142, 19274), (164, 19340), (182, 19397), (212, 19475), (270, 19607), (306, 19694), (364, 19835), (400, 19931), (405, 19973), (416, 20033), (419, 20105), (422, 20150), (426, 20216), (427, 20240), (428, 20246),

Gene: WorldCup_25 Start: 18587, Stop: 19609, Start Num: 46
Candidate Starts for WorldCup_25:
(Start: 46 @18587 has 280 MA's), (58, 18605), (67, 18641), (74, 18662), (78, 18680), (107, 18785), (140, 18932), (149, 18962), (164, 19004), (200, 19109), (216, 19154), (239, 19199), (260, 19250), (262, 19256), (266, 19265), (309, 19379), (327, 19430), (338, 19454), (345, 19466), (389, 19556),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for WunderPhul_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831), (349, 19840), (389, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 34
Candidate Starts for Wyatt2_17:
(24, 15811), (Start: 34 @15847 has 9 MA's), (Start: 46 @15865 has 280 MA's), (60, 15889), (67, 15919), (71, 15934), (78, 15967), (119, 16111), (163, 16267), (164, 16270), (166, 16276), (182, 16321), (192, 16348), (209, 16387), (229, 16420), (233, 16429), (244, 16456), (291, 16576), (309,

16624), (339, 16690), (342, 16696), (361, 16735),

Gene: Xena_26 Start: 18483, Stop: 19826, Start Num: 52
Candidate Starts for Xena_26:
(Start: 52 @18483 has 21 MA's), (74, 18561), (78, 18579), (87, 18609), (140, 18828), (148, 18852), (164, 18900), (178, 18945), (182, 18957), (216, 19047), (230, 19074), (306, 19254), (346, 19359), (364, 19398), (400, 19488), (409, 19539), (411, 19548), (421, 19671), (422, 19683), (427, 19773), (429, 19818),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 46
Candidate Starts for XianYue_27:
(Start: 46 @19126 has 280 MA's), (74, 19201), (78, 19219), (88, 19255), (98, 19294), (102, 19309), (133, 19435), (140, 19471), (149, 19501), (163, 19540), (164, 19543), (178, 19588), (271, 19807), (309, 19909), (338, 19984), (345, 19996), (356, 20020),

Gene: Yakult_18 Start: 14355, Stop: 15323, Start Num: 49
Candidate Starts for Yakult_18:
(21, 14280), (Start: 49 @14355 has 68 MA's), (66, 14400), (67, 14403), (68, 14406), (71, 14421), (74, 14436), (83, 14472), (85, 14484), (121, 14616), (123, 14625), (158, 14739), (159, 14742), (191, 14832), (238, 14943), (274, 15030), (308, 15126), (309, 15129), (318, 15156), (321, 15165), (323, 15171), (329, 15189), (347, 15222), (350, 15231), (388, 15309), (392, 15315),

Gene: Yarn_16 Start: 14423, Stop: 15394, Start Num: 49
Candidate Starts for Yarn_16:
(Start: 49 @14423 has 68 MA's), (66, 14468), (71, 14489), (74, 14504), (78, 14525), (91, 14576), (100, 14606), (108, 14633), (121, 14684), (123, 14693), (124, 14696), (137, 14750), (141, 14762), (159, 14810), (191, 14900), (215, 14951), (225, 14981), (238, 15011), (246, 15029), (282, 15125), (289, 15143), (307, 15194), (308, 15197), (318, 15227), (321, 15236), (325, 15251), (353, 15308), (381, 15356), (388, 15380), (392, 15386),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 46
Candidate Starts for Yecey3_27:
(Start: 46 @18619 has 280 MA's), (58, 18637), (78, 18712), (88, 18748), (133, 18928), (140, 18964), (149, 18994), (164, 19036), (178, 19081), (212, 19174), (216, 19186), (230, 19207), (260, 19282), (345, 19498), (349, 19507),

Gene: YoSam321_26 Start: 18487, Stop: 19827, Start Num: 53
Candidate Starts for YoSam321_26:
(11, 18289), (16, 18346), (20, 18385), (22, 18418), (Start: 53 @18487 has 355 MA's), (58, 18499), (74, 18565), (78, 18583), (87, 18613), (117, 18736), (140, 18832), (164, 18904), (178, 18949), (182, 18961), (240, 19105), (306, 19258), (346, 19360), (364, 19399), (387, 19444), (397, 19465), (400, 19489), (406, 19531), (421, 19672), (422, 19684), (427, 19774), (428, 19780), (429, 19819),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 53
Candidate Starts for Yogi_22:
(Start: 53 @15454 has 355 MA's), (64, 15493), (85, 15574), (87, 15580), (106, 15649), (124, 15727), (131, 15754), (164, 15865), (216, 15961), (309, 16090), (315, 16108), (345, 16177), (401, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for Yokurt_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831), (349, 19840), (389, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 53
Candidate Starts for Yoncess_22:
(Start: 53 @15454 has 355 MA's), (64, 15493), (85, 15574), (87, 15580), (106, 15649), (124, 15727), (131, 15754), (164, 15865), (216, 15961), (309, 16090), (315, 16108), (345, 16177), (401, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 32
Candidate Starts for YorkOnyx_34:
(Start: 32 @28912 has 53 MA's), (85, 29068), (93, 29098), (96, 29110), (100, 29122), (105, 29137), (108, 29149), (152, 29308), (166, 29344), (188, 29404), (198, 29428), (211, 29440), (238, 29500), (277, 29590), (309, 29680), (316, 29704), (321, 29716), (350, 29782), (358, 29797), (373, 29821), (379, 29833),

Gene: Yoshi_18 Start: 12812, Stop: 13741, Start Num: 42
Candidate Starts for Yoshi_18:
(Start: 42 @12812 has 12 MA's), (68, 12872), (78, 12923), (106, 13022), (108, 13028), (113, 13043), (122, 13085), (145, 13163), (155, 13181), (178, 13247), (183, 13259), (204, 13304), (225, 13343), (228, 13349), (238, 13373), (239, 13376), (240, 13379), (276, 13457), (282, 13478), (283, 13481), (296, 13517), (307, 13544), (308, 13547), (323, 13586), (329, 13604), (331, 13610), (350, 13646), (353, 13652), (367, 13676), (372, 13682), (375, 13688),

Gene: Yucky_17 Start: 15337, Stop: 16293, Start Num: 49
Candidate Starts for Yucky_17:
(Start: 49 @15337 has 68 MA's), (66, 15382), (78, 15439), (85, 15466), (100, 15520), (108, 15547), (121, 15598), (122, 15601), (123, 15607), (124, 15610), (137, 15664), (143, 15679), (159, 15724), (167, 15748), (174, 15763), (191, 15814), (238, 15910), (308, 16096), (318, 16126), (321, 16135), (329, 16159), (347, 16192), (388, 16279), (392, 16285),

Gene: Yummy_18 Start: 14308, Stop: 15279, Start Num: 49
Candidate Starts for Yummy_18:
(Start: 49 @14308 has 68 MA's), (66, 14353), (71, 14374), (74, 14389), (85, 14437), (91, 14461), (100, 14491), (121, 14569), (123, 14578), (124, 14581), (141, 14647), (159, 14695), (175, 14737), (191, 14785), (215, 14836), (238, 14896), (245, 14911), (246, 14914), (255, 14938), (282, 15010), (289, 15028), (307, 15079), (308, 15082), (318, 15112), (321, 15121), (325, 15136), (347, 15178), (353, 15193), (381, 15241), (388, 15265), (392, 15271),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 36
Candidate Starts for YungMoney_32:
(Start: 36 @26412 has 36 MA's), (74, 26508), (91, 26577), (93, 26583), (96, 26595), (97, 26598), (100, 26607), (105, 26622), (152, 26796), (165, 26829), (166, 26832), (225, 26949), (238, 26979), (293, 27114), (307, 27150), (321, 27192), (355, 27267), (367, 27288),

Gene: ZAYM_18 Start: 16111, Stop: 16974, Start Num: 70
Candidate Starts for ZAYM_18:
(3, 15733), (5, 15784), (Start: 32 @16030 has 53 MA's), (Start: 47 @16048 has 67 MA's), (Start: 56 @16057 has 6 MA's), (68, 16099), (Start: 70 @16111 has 1 MA's), (126, 16333), (139, 16378), (148, 16402), (154, 16408), (159, 16423), (169, 16453), (191, 16513), (194, 16519), (226, 16579), (228, 16582), (238, 16606), (264, 16663), (296, 16750), (323, 16819), (348, 16873), (388, 16957),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 46
Candidate Starts for Zaka_30:
(Start: 46 @18958 has 280 MA's), (58, 18976), (67, 19012), (78, 19051), (107, 19156), (149, 19333), (163, 19372), (164, 19375), (193, 19462), (200, 19483), (255, 19609), (284, 19681), (345, 19831),

(349, 19840), (389, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 47
Candidate Starts for Zakai_17:
(Start: 47 @16068 has 67 MA's), (60, 16092), (67, 16122), (101, 16248), (119, 16320), (162, 16473), (163, 16476), (164, 16479), (175, 16509), (196, 16566), (208, 16590), (209, 16596), (244, 16665), (249, 16683), (259, 16704), (285, 16770), (309, 16833), (361, 16962), (366, 16974),

Gene: Zapner_19 Start: 13337, Stop: 14266, Start Num: 42
Candidate Starts for Zapner_19:
(Start: 42 @13337 has 12 MA's), (68, 13397), (78, 13448), (106, 13547), (108, 13553), (113, 13568), (145, 13688), (155, 13706), (178, 13772), (183, 13784), (204, 13829), (225, 13868), (228, 13874), (238, 13898), (239, 13901), (240, 13904), (245, 13913), (246, 13916), (276, 13982), (282, 14003), (283, 14006), (296, 14042), (307, 14069), (308, 14072), (323, 14111), (329, 14129), (331, 14135), (350, 14171), (353, 14177), (367, 14201), (372, 14207), (375, 14213),

Gene: Zarafa_26 Start: 18599, Stop: 19972, Start Num: 53
Candidate Starts for Zarafa_26:
(Start: 53 @18599 has 355 MA's), (74, 18677), (78, 18695), (87, 18725), (88, 18728), (107, 18797), (164, 19016), (165, 19019), (178, 19061), (182, 19073), (306, 19370), (334, 19451), (346, 19472), (387, 19562), (400, 19607), (405, 19649), (416, 19712), (417, 19763), (418, 19766), (422, 19829), (424, 19856), (426, 19895), (427, 19919), (428, 19925),

Gene: Zareef_19 Start: 15746, Stop: 16711, Start Num: 49
Candidate Starts for Zareef_19:
(Start: 49 @15746 has 68 MA's), (66, 15791), (74, 15827), (78, 15848), (85, 15875), (100, 15929), (121, 16010), (123, 16019), (124, 16022), (141, 16091), (159, 16139), (191, 16229), (198, 16244), (221, 16283), (282, 16439), (307, 16505), (308, 16508), (309, 16511), (318, 16538), (321, 16547), (329, 16571), (347, 16604), (355, 16622), (378, 16667), (388, 16697), (392, 16703),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 34
Candidate Starts for Zaria_17:
(Start: 34 @15861 has 9 MA's), (Start: 46 @15879 has 280 MA's), (60, 15903), (67, 15933), (71, 15948), (78, 15981), (119, 16125), (138, 16206), (163, 16281), (164, 16284), (166, 16290), (182, 16335), (192, 16362), (208, 16395), (209, 16401), (229, 16434), (233, 16443), (244, 16470), (291, 16590), (309, 16638), (339, 16704), (342, 16710), (361, 16749),

Gene: Zetzy_27 Start: 18546, Stop: 19916, Start Num: 53
Candidate Starts for Zetzy_27:
(Start: 53 @18546 has 355 MA's), (78, 18642), (85, 18666), (87, 18672), (109, 18753), (142, 18897), (164, 18963), (182, 19020), (212, 19098), (270, 19230), (306, 19317), (364, 19458), (400, 19554), (405, 19596), (416, 19656), (419, 19728), (422, 19773), (426, 19839), (427, 19863), (428, 19869),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 47
Candidate Starts for ZhongYanYuan_16:
(Start: 47 @15899 has 67 MA's), (60, 15923), (67, 15953), (88, 16034), (101, 16079), (162, 16304), (163, 16307), (164, 16310), (175, 16340), (196, 16397), (209, 16427), (244, 16496), (249, 16514), (281, 16589), (285, 16601), (309, 16664), (318, 16691), (342, 16754), (361, 16793), (366, 16805),

Gene: Ziko_55 Start: 27888, Stop: 28832, Start Num: 42
Candidate Starts for Ziko_55:
(Start: 40 @27885 has 8 MA's), (Start: 42 @27888 has 12 MA's), (82, 28008), (108, 28104), (134, 28206), (158, 28272), (165, 28293), (167, 28299), (183, 28350), (191, 28374), (238, 28467), (257,

28506), (299, 28617), (300, 28623), (305, 28632), (307, 28638), (318, 28671), (321, 28680), (324, 28689), (329, 28704), (370, 28779), (377, 28791), (382, 28803), (388, 28824),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 46
Candidate Starts for Zimmer_29:
(Start: 46 @21369 has 280 MA's), (74, 21444), (78, 21462), (88, 21498), (98, 21537), (149, 21744), (163, 21783), (164, 21786), (345, 22242),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 26
Candidate Starts for Zipp_33:
(Start: 26 @29867 has 29 MA's), (64, 29954), (74, 29990), (84, 30026), (123, 30182), (124, 30185), (140, 30254), (160, 30317), (163, 30326), (192, 30416), (205, 30449), (208, 30452), (273, 30605), (286, 30647), (295, 30668), (308, 30695), (314, 30716), (318, 30725), (320, 30731), (332, 30764), (333, 30767), (355, 30812), (359, 30821), (368, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 26
Candidate Starts for Zitch_35:
(Start: 26 @27751 has 29 MA's), (62, 27826), (64, 27838), (74, 27874), (84, 27910), (114, 28012), (123, 28066), (140, 28138), (142, 28144), (160, 28201), (163, 28210), (180, 28267), (192, 28300), (205, 28333), (208, 28336), (273, 28489), (283, 28522), (286, 28531), (295, 28552), (308, 28579), (314, 28600), (318, 28609), (320, 28615), (332, 28648), (333, 28651), (359, 28705), (368, 28717),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 53
Candidate Starts for Zolita_22:
(Start: 53 @18827 has 355 MA's), (78, 18923), (87, 18956), (88, 18959), (98, 18998), (112, 19046), (149, 19199), (156, 19217), (164, 19241), (177, 19283), (303, 19595), (345, 19697), (358, 19724),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 46
Candidate Starts for Zulu_30:
(Start: 46 @18957 has 280 MA's), (58, 18975), (67, 19011), (78, 19050), (107, 19155), (149, 19332), (163, 19371), (164, 19374), (193, 19461), (200, 19482), (255, 19608), (284, 19680), (345, 19830), (349, 19839), (389, 19920),