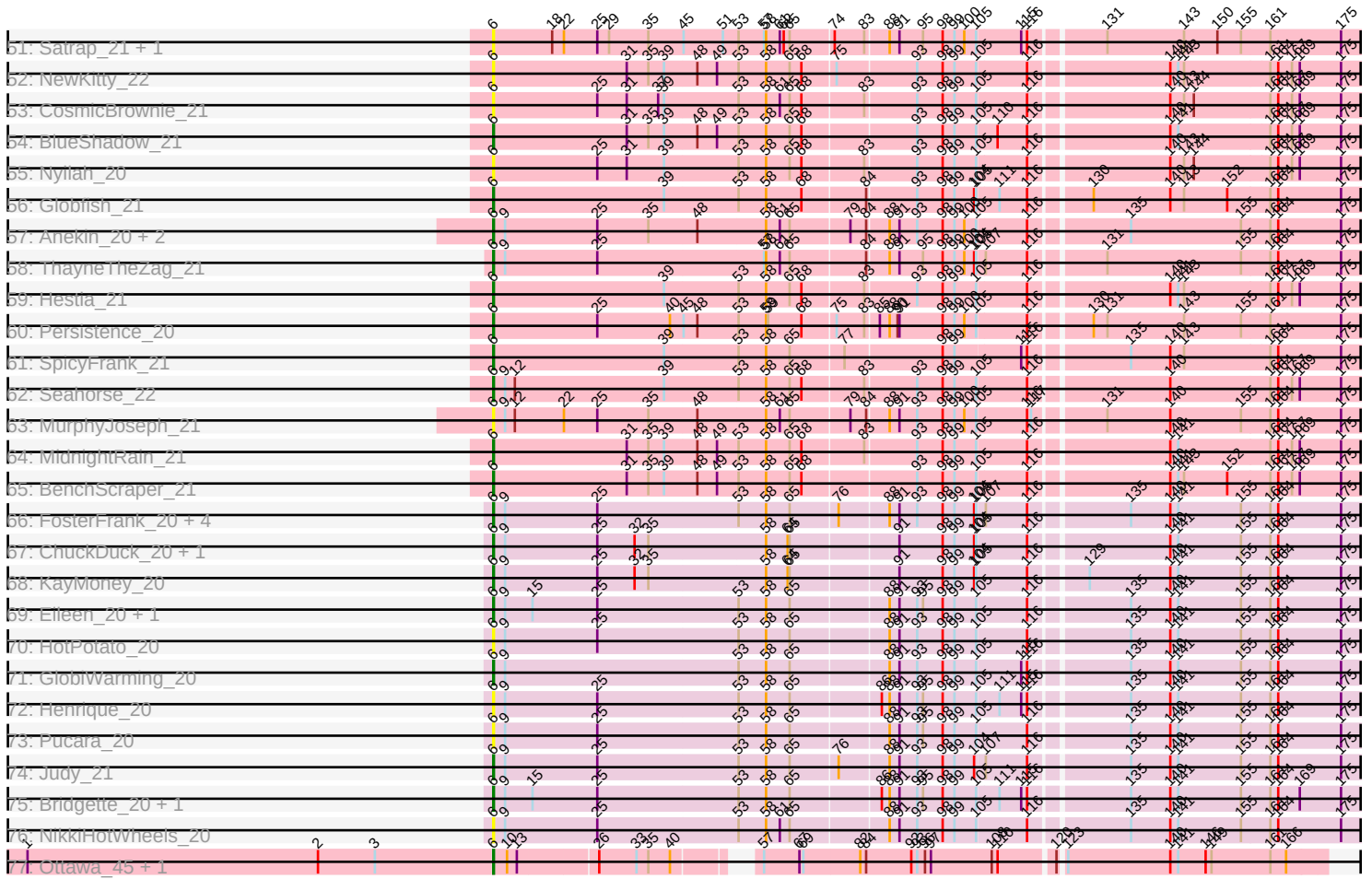


1. Laroye_69 + 1	69	0	14	28	33	50	59	61	71	80	92	98	102	110	126	132	146	161
2. Waitz_66	69	0	14	28	33	50	59	61	71	80	92	98	102	110	126	132	146	161
3. Saigado_69	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
4. Kovu_67	69	0	14	28	33	50	59	61	71	80	92	98	102	110	126	132	146	161
5. Wheelrite_65	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
6. Shrooms_67	69	0	14	28	33	50	59	61	71	80	92	98	102	110	126	132	146	161
7. Edmundo_69	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
8. Apokipo_71	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
9. Zixiang_18 + 2	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
10. Brynnie_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
11. Vulpecula_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
12. Amanises_19 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
13. Eesa_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
14. Pelletreau_19 + 4	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
15. Jamun_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
16. Ruchi_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
17. Basilisk_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
18. WileyE_17 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
19. TaylorSiph_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
20. Uranus_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
21. Cygnel_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
22. LittleTokyo_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
23. OisoOiso_18 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
24. Kuleana_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
25. Melons_19 + 13	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
26. Zhuangyuan_20	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
27. Andrice_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
28. Amphrite_17 + 3	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
29. Fingolim_17 + 4	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
30. Leona_17 + 2	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
31. Gioteil_17 + 5	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
32. Rennal2_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
33. StuartMinnion_17 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
34. Andrew_18	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
35. Babushka_17	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
36. Aikyam_21 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
37. CookieBear_21	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
38. Gorpy_21 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
39. JellyBread_21 + 7	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
40. Tim81_22	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
41. GumGum_21	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
42. Ding_21	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
43. Lasker_21 + 3	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
44. MUWOW_20 + 1	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
45. Phrank15_20	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
46. BillyTP_21 + 3	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
47. SonDevvon_20	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
48. LeBruni_22	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
49. Bhageatrice_23	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161
50. Kabiowwy_21	69	0	14	21	33	41	50	61	71	80	92	98	102	110	126	132	146	161

Pham 277934



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 277934 Report

This analysis was run 02/07/26 on database version 634.

Pham number 277934 has 142 members, 52 are drafts.

Phages represented in each track:

- Track 1 : Laroye_69, LiSara_66
- Track 2 : Waltz_66
- Track 3 : Salgado_69
- Track 4 : Kovu_67
- Track 5 : Wheelbite_65
- Track 6 : Shrooms_67
- Track 7 : Edmundo_69
- Track 8 : ApoKipo_71
- Track 9 : Zixiang_18, Chicken_18, Niblet_18
- Track 10 : Brynnie_18
- Track 11 : Vulpecula_18
- Track 12 : Amanises_19, Shen_19
- Track 13 : Eesa_18
- Track 14 : Pelletreau_19, Gravel_19, Toad24_19, Westrich_19, KendraB23_19
- Track 15 : Jamun_18
- Track 16 : Ruchi_18
- Track 17 : Basilisk_18
- Track 18 : WileyE_17, Chickaboom_17
- Track 19 : TaylorSipht_18
- Track 20 : Orcanus_18
- Track 21 : Cygnet_18
- Track 22 : LittleTokyo_18
- Track 23 : OtsoOtso_18, Polka_18
- Track 24 : Kuleana_18
- Track 25 : Melons_19, Pineda_19, Bedetta_19, Bibble12_19, Amelia_19, Cote_19, Lunar_19, PhirstandPhine_19, Daob_19, Coral_18, Colusalem_18, Kepler_18, HannahPhantana_19, Jerole_19
- Track 26 : Zhuangyuan_20
- Track 27 : Antrice_18
- Track 28 : Amphitrite_17, HamCheese_17, PhluffyCoco_17, Laphuphu24k_17
- Track 29 : Fingolfin_17, Camara_17, Oppalora_17, Juno112_17, AmiCi24_17
- Track 30 : Leona_17, Azaz_17, Rattail_17
- Track 31 : Glotell_17, KHumphrey_17, DanHam62_17, AdoptaAdorbs_17, Atlantica_17, RedFox_17
- Track 32 : Renna12_18
- Track 33 : StuartMinion_17, AlexMinion_18
- Track 34 : Andrew_18

- Track 35 : Babushka_17
- Track 36 : Aikyam_21, MaterMagnus_21
- Track 37 : CookieBear_21
- Track 38 : Gorpy_21, Sakai_21
- Track 39 : JellyBread_21, Sporco_22, RadFad_21, Vopal_22, Auxilium_21, Raphaella_21, YoungHarleezy_21, Hillester_21
- Track 40 : Tiff81_22
- Track 41 : GumGum_21
- Track 42 : Ding_21
- Track 43 : Lasker_21, Richie_21, BasketStar_21, Windest_22
- Track 44 : MUWow_20, AdaS_21
- Track 45 : Phrank15_20
- Track 46 : BillyTP_21, Mapleville_21, Lawnathon_21, Isolde_21
- Track 47 : SonDevVon_20
- Track 48 : LeBruni_22
- Track 49 : Bhageatrice_23
- Track 50 : Kabloowy_21
- Track 51 : Satrap_21, Shukran_21
- Track 52 : NewKitty_22
- Track 53 : CosmicBrownie_21
- Track 54 : BlueShadow_21
- Track 55 : Nyilah_20
- Track 56 : Globfish_21
- Track 57 : Anekin_20, Crescenzo_21, DarwinJr_24
- Track 58 : ThayneTheZag_21
- Track 59 : Hestia_21
- Track 60 : Persistence_20
- Track 61 : SpicyFrank_21
- Track 62 : Seahorse_22
- Track 63 : MurphyJoseph_21
- Track 64 : MidnightRain_21
- Track 65 : BenchScraper_21
- Track 66 : FosterFrank_20, PeggyLeg03_20, LilyBell_20, NidoQ_20, Constance_20
- Track 67 : ChuckDuck_20, LittleRon_20
- Track 68 : KayMoney_20
- Track 69 : Eileen_20, Peas_20
- Track 70 : HotPotato_20
- Track 71 : GlobiWarming_20
- Track 72 : Henrique_20
- Track 73 : Pucara_20
- Track 74 : Judy_21
- Track 75 : Bridgette_20, Karkharias_20
- Track 76 : NikkiHotWheels_20
- Track 77 : Ottawa_45, Kharcho_45

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

The start number called the most often in the published annotations is 6, it was called in 90 of the 90 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdaS_21, AdoptaAdorbs_17, Aikyam_21, AlexMinion_18, Amanises_19, Amelia_19, AmiCi24_17, Amphitrite_17, Andrew_18, Anekin_20, Antrice_18, ApoKipo_71, Atlantica_17, Auxilium_21, Azaz_17, Babushka_17, Basilisk_18, BasketStar_21, Bedetta_19, BenchScraper_21, Bhageatrice_23, Bibble12_19, BillyTP_21, BlueShadow_21, Bridgette_20, Brynnie_18, Camara_17, Chickaboom_17, Chicken_18, ChuckDuck_20, Colusalem_18, Constance_20, CookieBear_21, Coral_18, CosmicBrownie_21, Cote_19, Crescenzo_21, Cygnet_18, DanHam62_17, Daob_19, DarwinJr_24, Ding_21, Edmundo_69, Eesa_18, Eileen_20, Fingolfin_17, FosterFrank_20, Globfish_21, GlobiWarming_20, Glotell_17, Gorpy_21, Gravel_19, GumGum_21, HamCheese_17, HannahPhantana_19, Henrique_20, Hestia_21, Hillester_21, HotPotato_20, Isolde_21, Jamun_18, JellyBread_21, Jerole_19, Judy_21, Juno112_17, KHumphrey_17, Kabloowy_21, Karkharias_20, KayMoney_20, KendraB23_19, Kepler_18, Kharcho_45, Kovu_67, Kuleana_18, Laphuphu24k_17, Laroye_69, Lasker_21, Lawnathon_21, LeBruni_22, Leona_17, LiSara_66, LilyBell_20, LittleRon_20, LittleTokyo_18, Lunar_19, MUWow_20, Mapleville_21, MaterMagnus_21, Melons_19, MidnightRain_21, MurphyJoseph_21, NewKitty_22, Niblet_18, NidoQ_20, NikkiHotWheels_20, Nyilah_20, Oppalora_17, Orcanus_18, OtsoOtso_18, Ottawa_45, Peas_20, PeggyLeg03_20, Pelletreau_19, Persistence_20, PhirstandPhine_19, PhluffyCoco_17, Phrank15_20, Pineda_19, Polka_18, Pucara_20, RadFad_21, Raphaella_21, Rattail_17, RedFox_17, Renna12_18, Richie_21, Ruchi_18, Sakai_21, Salgado_69, Satrap_21, Seahorse_22, Shen_19, Shrooms_67, Shukran_21, SonDevVon_20, SpicyFrank_21, Sporco_22, StuartMinion_17, TaylorSipht_18, ThayneTheZag_21, Tiff81_22, Toad24_19, Vopal_22, Vulpecula_18, Waltz_66, Westrich_19, Wheelbite_65, WileyE_17, Windest_22, YoungHarleezy_21, Zhuangyuan_20, Zixiang_18,

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

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 6:

- Found in 142 of 142 (100.0%) of genes in pham
- Manual Annotations of this start: 90 of 90
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AdaS_21 (AY), AdoptaAdorbs_17 (AS3), Aikyam_21 (AY), AlexMinion_18 (AS3), Amanises_19 (AS1), Amelia_19 (AS2), AmiCi24_17 (AS3), Amphitrite_17 (AS3), Andrew_18 (AS3), Anekin_20 (AY), Antrice_18 (AS2), ApoKipo_71 (AL), Atlantica_17 (AS3), Auxilium_21 (AY), Azaz_17 (AS3), Babushka_17 (AS3), Basilisk_18 (AS1), BasketStar_21 (AY), Bedetta_19 (AS2), BenchScraper_21 (AY), Bhageatrice_23 (AY), Bibble12_19 (AS2), BillyTP_21 (AY), BlueShadow_21 (AY), Bridgette_20 (FA), Brynnie_18 (AS1), Camara_17 (AS3), Chickaboom_17 (AS1), Chicken_18 (AS1), ChuckDuck_20 (FA), Colusalem_18 (AS2), Constance_20 (FA), CookieBear_21 (AY), Coral_18 (AS2), CosmicBrownie_21 (AY), Cote_19 (AS2), Crescenzo_21 (AY), Cygnet_18 (AS2), DanHam62_17 (AS3), Daob_19 (AS2), DarwinJr_24 (AY), Ding_21 (AY), Edmundo_69 (AL), Eesa_18 (AS1), Eileen_20 (FA), Fingolfin_17 (AS3), FosterFrank_20 (FA), Globfish_21 (AY), GlobiWarming_20 (FA), Glotell_17 (AS3),

Gorpy_21 (AY), Gravel_19 (AS1), GumGum_21 (AY), HamCheese_17 (AS3), HannahPhantana_19 (AS2), Henrique_20 (FA), Hestia_21 (AY), Hillster_21 (AY), HotPotato_20 (FA), Isolde_21 (AY), Jamun_18 (AS1), JellyBread_21 (AY), Jerole_19 (AS2), Judy_21 (FA), Juno112_17 (AS3), KHumphrey_17 (AS3), Kabloowy_21 (AY), Karkharias_20 (FA), KayMoney_20 (FA), KendraB23_19 (AS1), Kepler_18 (AS2), Kharcho_45 (FM), Kovu_67 (AL), Kuleana_18 (AS2), Laphuphu24k_17 (AS3), Laroye_69 (AL), Lasker_21 (AY), Lawnathon_21 (AY), LeBruni_22 (AY), Leona_17 (AS3), LiSara_66 (AL), LilyBell_20 (FA), LittleRon_20 (FA), LittleTokyo_18 (AS2), Lunar_19 (AS2), MUWow_20 (AY), Mapleville_21 (AY), MaterMagnus_21 (AY), Melons_19 (AS2), MidnightRain_21 (AY), MurphyJoseph_21 (AY), NewKitty_22 (AY), Niblet_18 (AS1), NidoQ_20 (FA), NikkiHotWheels_20 (FA), Nyilah_20 (AY), Oppalora_17 (AS3), Orcanus_18 (AS1), OtsoOtso_18 (AS2), Ottawa_45 (FM), Peas_20 (FA), PeggyLeg03_20 (FA), Pelletreau_19 (AS1), Persistence_20 (AY), PhirstandPhine_19 (AS2), PhluffyCoco_17 (AS3), Phrank15_20 (AY), Pineda_19 (AS2), Polka_18 (AS2), Pucara_20 (FA), RadFad_21 (AY), Raphaella_21 (AY), Rattail_17 (AS3), RedFox_17 (AS3), Renna12_18 (AS3), Richie_21 (AY), Ruchi_18 (AS1), Sakai_21 (AY), Salgado_69 (AL), Satrap_21 (AY), Seahorse_22 (AY), Shen_19 (AS1), Shrooms_67 (AL), Shukran_21 (AY), SonDevVon_20 (AY), SpicyFrank_21 (AY), Sporco_22 (AY), StuartMinion_17 (AS3), TaylorSipht_18 (AS1), ThayneTheZag_21 (AY), Tiff81_22 (AY), Toad24_19 (AS1), Vopal_22 (AY), Vulpecula_18 (AS1), Waltz_66 (AL), Westrich_19 (AS1), Wheelbite_65 (AL), WileyE_17 (AS1), Windest_22 (AY), YoungHarleezy_21 (AY), Zhuangyuan_20 (AS2), Zixiang_18 (AS1),

Summary by clusters:

There are 7 clusters represented in this pham: AS3, AS2, AS1, AL, FA, AY, FM,

Info for manual annotations of cluster AL:

- Start number 6 was manually annotated 9 times for cluster AL.

Info for manual annotations of cluster AS1:

- Start number 6 was manually annotated 10 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 6 was manually annotated 16 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 6 was manually annotated 13 times for cluster AS3.

Info for manual annotations of cluster AY:

- Start number 6 was manually annotated 30 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 6 was manually annotated 10 times for cluster FA.

Info for manual annotations of cluster FM:

- Start number 6 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: AdaS_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for AdaS_21:

(Start: 6 @15623 has 90 MA's), (35, 15860), (39, 15884), (45, 15911), (49, 15962), (53, 15992), (58, 16034), (65, 16070), (68, 16088), (83, 16178), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (143, 16634), (152, 16700), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: AdoptaAdorbs_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for AdoptaAdorbs_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (80, 13477), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Aikyam_21 Start: 15624, Stop: 16925, Start Num: 6

Candidate Starts for Aikyam_21:

(Start: 6 @15624 has 90 MA's), (39, 15885), (53, 15993), (58, 16035), (65, 16071), (68, 16089), (83, 16179), (93, 16254), (98, 16293), (99, 16311), (105, 16344), (116, 16416), (140, 16614), (141, 16626), (143, 16635), (152, 16701), (161, 16764), (164, 16776), (167, 16797), (169, 16809), (175, 16872),

Gene: AlexMinion_18 Start: 12969, Stop: 14216, Start Num: 6

Candidate Starts for AlexMinion_18:

(Start: 6 @12969 has 90 MA's), (19, 13062), (23, 13083), (25, 13128), (30, 13152), (38, 13224), (40, 13239), (57, 13380), (58, 13383), (59, 13386), (60, 13401), (61, 13404), (62, 13410), (75, 13491), (83, 13533), (86, 13554), (94, 13611), (98, 13647), (103, 13689), (104, 13695), (106, 13704), (116, 13773), (117, 13779), (122, 13827), (128, 13854), (129, 13866), (130, 13872), (131, 13893), (146, 14043), (148, 14049), (153, 14079), (157, 14106), (160, 14133), (162, 14142), (168, 14175),

Gene: Amanises_19 Start: 14538, Stop: 15809, Start Num: 6

Candidate Starts for Amanises_19:

(Start: 6 @14538 has 90 MA's), (16, 14604), (22, 14646), (28, 14709), (32, 14754), (36, 14787), (58, 14949), (59, 14952), (62, 14976), (78, 15072), (82, 15093), (86, 15120), (88, 15132), (89, 15138), (94, 15177), (98, 15213), (104, 15261), (125, 15411), (129, 15435), (140, 15558), (141, 15570), (143, 15579), (146, 15612), (148, 15618), (151, 15633), (154, 15654), (156, 15669), (157, 15675), (158, 15681), (160, 15702), (162, 15711), (168, 15744),

Gene: Amelia_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Amelia_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: AmiCi24_17 Start: 12929, Stop: 14173, Start Num: 6

Candidate Starts for AmiCi24_17:

(Start: 6 @12929 has 90 MA's), (19, 13022), (23, 13043), (25, 13088), (30, 13112), (38, 13184), (40, 13199), (57, 13340), (58, 13343), (59, 13346), (60, 13361), (61, 13364), (62, 13370), (75, 13451), (80, 13475), (82, 13487), (86, 13514), (94, 13571), (98, 13607), (103, 13649), (106, 13664), (117, 13739), (121, 13781), (122, 13787), (128, 13814), (129, 13826), (131, 13853), (146, 14003), (148, 14009), (153, 14039), (157, 14066), (160, 14093), (162, 14102), (168, 14135), (172, 14165),

Gene: Amphitrite_17 Start: 12929, Stop: 14173, Start Num: 6

Candidate Starts for Amphitrite_17:

(Start: 6 @12929 has 90 MA's), (19, 13022), (23, 13043), (25, 13088), (30, 13112), (38, 13184), (57, 13340), (58, 13343), (59, 13346), (60, 13361), (61, 13364), (62, 13370), (75, 13451), (82, 13487), (86, 13514), (94, 13571), (98, 13607), (103, 13649), (106, 13664), (117, 13739), (121, 13781), (122, 13787), (128, 13814), (129, 13826), (131, 13853), (146, 14003), (148, 14009), (153, 14039), (157, 14066), (160, 14093), (162, 14102), (168, 14135), (172, 14165),

Gene: Andrew_18 Start: 13390, Stop: 14640, Start Num: 6

Candidate Starts for Andrew_18:

(Start: 6 @13390 has 90 MA's), (19, 13483), (20, 13486), (22, 13498), (23, 13504), (25, 13549), (38, 13645), (40, 13660), (55, 13780), (56, 13798), (57, 13801), (58, 13804), (59, 13807), (60, 13822), (61, 13825), (62, 13831), (70, 13864), (75, 13912), (80, 13936), (82, 13948), (84, 13957), (86, 13975), (94, 14032), (98, 14068), (103, 14110), (104, 14116), (117, 14200), (122, 14251), (124, 14260), (128, 14278), (129, 14290), (131, 14317), (133, 14341), (134, 14344), (146, 14467), (153, 14503), (157, 14530), (162, 14566), (168, 14599), (172, 14629),

Gene: Anekin_20 Start: 15586, Stop: 16887, Start Num: 6

Candidate Starts for Anekin_20:

(Start: 6 @15586 has 90 MA's), (9, 15604), (25, 15745), (35, 15823), (48, 15895), (58, 15997), (61, 16018), (65, 16033), (79, 16120), (84, 16144), (88, 16174), (91, 16189), (93, 16216), (98, 16255), (99, 16273), (100, 16288), (105, 16306), (116, 16378), (135, 16516), (155, 16684), (161, 16726), (164, 16738), (175, 16834),

Gene: Antrice_18 Start: 13934, Stop: 15181, Start Num: 6

Candidate Starts for Antrice_18:

(Start: 6 @13934 has 90 MA's), (16, 14000), (19, 14027), (20, 14030), (23, 14048), (25, 14093), (43, 14219), (55, 14324), (58, 14348), (61, 14369), (62, 14375), (66, 14396), (71, 14420), (75, 14456), (80, 14480), (81, 14489), (82, 14492), (88, 14528), (90, 14540), (93, 14570), (94, 14573), (98, 14609), (103, 14651), (117, 14741), (127, 14816), (141, 14966), (146, 15008), (148, 15014), (151, 15029), (157, 15071), (160, 15098), (162, 15107), (165, 15119), (171, 15161),

Gene: ApoKipo_71 Start: 42421, Stop: 43596, Start Num: 6

Candidate Starts for ApoKipo_71:

(Start: 6 @42421 has 90 MA's), (10, 42442), (17, 42490), (21, 42523), (33, 42628), (41, 42688), (42, 42691), (50, 42745), (59, 42772), (67, 42820), (82, 42910), (83, 42916), (84, 42919), (88, 42955), (90, 42967), (92, 42988), (93, 42997), (96, 43009), (97, 43018), (112, 43129), (120, 43198), (123, 43204), (132, 43270), (140, 43360), (142, 43378), (145, 43402), (146, 43414), (161, 43513), (162, 43519), (166, 43537), (170, 43567),

Gene: Atlantica_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for Atlantica_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (80, 13477), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Auxilium_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for Auxilium_21:

(Start: 6 @15623 has 90 MA's), (35, 15860), (39, 15884), (45, 15911), (49, 15962), (53, 15992), (58, 16034), (61, 16055), (65, 16070), (68, 16088), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (143, 16634), (144, 16649), (161, 16763), (164, 16775),

(167, 16796), (169, 16808), (175, 16871),

Gene: Azaz_17 Start: 12982, Stop: 14229, Start Num: 6

Candidate Starts for Azaz_17:

(Start: 6 @12982 has 90 MA's), (19, 13075), (23, 13096), (25, 13141), (30, 13165), (38, 13237), (57, 13393), (58, 13396), (59, 13399), (60, 13414), (61, 13417), (75, 13504), (80, 13528), (82, 13540), (86, 13567), (94, 13624), (98, 13660), (106, 13717), (117, 13792), (121, 13834), (122, 13840), (128, 13867), (129, 13879), (131, 13906), (146, 14056), (148, 14062), (153, 14092), (157, 14119), (160, 14146), (162, 14155), (168, 14188), (172, 14218), (174, 14224),

Gene: Babushka_17 Start: 12984, Stop: 14228, Start Num: 6

Candidate Starts for Babushka_17:

(Start: 6 @12984 has 90 MA's), (19, 13077), (23, 13098), (25, 13143), (38, 13239), (40, 13254), (57, 13395), (58, 13398), (59, 13401), (60, 13416), (61, 13419), (62, 13425), (75, 13506), (80, 13530), (82, 13542), (86, 13569), (94, 13626), (98, 13662), (103, 13704), (106, 13719), (113, 13770), (117, 13794), (121, 13836), (122, 13842), (124, 13851), (128, 13869), (129, 13881), (131, 13908), (146, 14058), (148, 14064), (153, 14094), (157, 14121), (160, 14148), (162, 14157), (168, 14190), (172, 14220),

Gene: Basilisk_18 Start: 14668, Stop: 15918, Start Num: 6

Candidate Starts for Basilisk_18:

(Start: 6 @14668 has 90 MA's), (12, 14701), (16, 14734), (24, 14797), (25, 14827), (36, 14917), (45, 14956), (51, 15016), (54, 15040), (55, 15055), (58, 15079), (59, 15082), (61, 15100), (75, 15187), (80, 15211), (81, 15220), (82, 15223), (86, 15250), (94, 15307), (98, 15343), (104, 15391), (125, 15541), (129, 15565), (134, 15619), (136, 15637), (144, 15724), (146, 15742), (153, 15778), (156, 15799), (157, 15805), (158, 15811), (160, 15832), (162, 15841), (168, 15874),

Gene: BasketStar_21 Start: 15677, Stop: 16978, Start Num: 6

Candidate Starts for BasketStar_21:

(Start: 6 @15677 has 90 MA's), (31, 15881), (35, 15914), (39, 15938), (48, 15986), (49, 16016), (53, 16046), (58, 16088), (65, 16124), (68, 16142), (93, 16307), (98, 16346), (99, 16364), (105, 16397), (116, 16469), (140, 16667), (141, 16679), (161, 16817), (164, 16829), (167, 16850), (169, 16862), (175, 16925),

Gene: Bedetta_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Bedetta_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: BenchScraper_21 Start: 15638, Stop: 16939, Start Num: 6

Candidate Starts for BenchScraper_21:

(Start: 6 @15638 has 90 MA's), (31, 15842), (35, 15875), (39, 15899), (48, 15947), (49, 15977), (53, 16007), (58, 16049), (65, 16085), (68, 16103), (93, 16268), (98, 16307), (99, 16325), (105, 16358), (116, 16430), (140, 16628), (141, 16640), (143, 16649), (152, 16715), (161, 16778), (164, 16790), (167, 16811), (169, 16823), (175, 16886),

Gene: Bhageatrice_23 Start: 16913, Stop: 18214, Start Num: 6

Candidate Starts for Bhageatrice_23:

(Start: 6 @16913 has 90 MA's), (12, 16946), (39, 17174), (53, 17282), (58, 17324), (65, 17360), (68, 17378), (83, 17468), (93, 17543), (98, 17582), (99, 17600), (105, 17633), (116, 17705), (143, 17924), (152, 17990), (161, 18053), (164, 18065), (167, 18086), (169, 18098), (175, 18161),

Gene: Bibble12_19 Start: 13380, Stop: 14633, Start Num: 6

Candidate Starts for Bibble12_19:

(Start: 6 @13380 has 90 MA's), (7, 13383), (11, 13404), (19, 13473), (25, 13539), (27, 13548), (38, 13635), (40, 13650), (58, 13794), (59, 13797), (60, 13812), (61, 13815), (62, 13821), (80, 13926), (82, 13938), (88, 13977), (94, 14022), (98, 14058), (103, 14100), (106, 14115), (118, 14193), (125, 14256), (129, 14280), (146, 14457), (153, 14493), (155, 14511), (157, 14520), (160, 14547), (162, 14556), (168, 14589),

Gene: BillyTP_21 Start: 15407, Stop: 16708, Start Num: 6

Candidate Starts for BillyTP_21:

(Start: 6 @15407 has 90 MA's), (39, 15668), (53, 15776), (58, 15818), (65, 15854), (68, 15872), (83, 15962), (93, 16037), (98, 16076), (99, 16094), (105, 16127), (116, 16199), (140, 16397), (141, 16409), (143, 16418), (144, 16433), (161, 16547), (164, 16559), (167, 16580), (169, 16592), (175, 16655),

Gene: BlueShadow_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for BlueShadow_21:

(Start: 6 @15623 has 90 MA's), (31, 15827), (35, 15860), (39, 15884), (48, 15932), (49, 15962), (53, 15992), (58, 16034), (65, 16070), (68, 16088), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (110, 16370), (116, 16415), (140, 16613), (141, 16625), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: Bridgette_20 Start: 15685, Stop: 16986, Start Num: 6

Candidate Starts for Bridgette_20:

(Start: 6 @15685 has 90 MA's), (9, 15703), (15, 15745), (25, 15844), (53, 16054), (58, 16096), (65, 16132), (86, 16261), (88, 16273), (91, 16288), (93, 16315), (95, 16324), (98, 16354), (99, 16372), (105, 16405), (111, 16435), (115, 16468), (116, 16477), (135, 16615), (140, 16675), (141, 16687), (155, 16783), (161, 16825), (164, 16837), (169, 16870), (175, 16933),

Gene: Brynnie_18 Start: 14480, Stop: 15730, Start Num: 6

Candidate Starts for Brynnie_18:

(Start: 6 @14480 has 90 MA's), (12, 14513), (16, 14546), (24, 14609), (25, 14639), (36, 14729), (45, 14768), (51, 14828), (54, 14852), (55, 14867), (58, 14891), (59, 14894), (61, 14912), (75, 14999), (80, 15023), (81, 15032), (82, 15035), (86, 15062), (94, 15119), (98, 15155), (104, 15203), (118, 15290), (125, 15353), (129, 15377), (134, 15431), (136, 15449), (144, 15536), (146, 15554), (153, 15590), (156, 15611), (157, 15617), (160, 15644), (162, 15653), (168, 15686),

Gene: Camara_17 Start: 12932, Stop: 14176, Start Num: 6

Candidate Starts for Camara_17:

(Start: 6 @12932 has 90 MA's), (19, 13025), (23, 13046), (25, 13091), (30, 13115), (38, 13187), (40, 13202), (57, 13343), (58, 13346), (59, 13349), (60, 13364), (61, 13367), (62, 13373), (75, 13454), (80, 13478), (82, 13490), (86, 13517), (94, 13574), (98, 13610), (103, 13652), (106, 13667), (117, 13742), (121, 13784), (122, 13790), (128, 13817), (129, 13829), (131, 13856), (146, 14006), (148, 14012), (153, 14042), (157, 14069), (160, 14096), (162, 14105), (168, 14138), (172, 14168),

Gene: Chickaboom_17 Start: 13406, Stop: 14656, Start Num: 6

Candidate Starts for Chickaboom_17:

(Start: 6 @13406 has 90 MA's), (12, 13439), (16, 13472), (24, 13535), (25, 13565), (36, 13655), (45, 13694), (51, 13754), (54, 13778), (55, 13793), (58, 13817), (59, 13820), (61, 13838), (75, 13925), (80, 13949), (82, 13961), (86, 13988), (94, 14045), (98, 14081), (104, 14129), (118, 14216), (125, 14279), (129, 14303), (134, 14357), (136, 14375), (144, 14462), (153, 14516), (156, 14537), (157, 14543), (158, 14549), (160, 14570), (162, 14579), (168, 14612),

Gene: Chicken_18 Start: 14417, Stop: 15667, Start Num: 6

Candidate Starts for Chicken_18:

(Start: 6 @14417 has 90 MA's), (12, 14450), (16, 14483), (22, 14525), (27, 14585), (30, 14600), (36, 14666), (58, 14828), (59, 14831), (82, 14972), (88, 15011), (89, 15017), (94, 15056), (98, 15092), (113, 15200), (125, 15290), (129, 15314), (136, 15386), (137, 15401), (140, 15437), (146, 15491), (148, 15497), (150, 15509), (157, 15554), (158, 15560), (160, 15581), (162, 15590),

Gene: ChuckDuck_20 Start: 15527, Stop: 16828, Start Num: 6

Candidate Starts for ChuckDuck_20:

(Start: 6 @15527 has 90 MA's), (9, 15545), (25, 15686), (32, 15743), (35, 15764), (58, 15938), (64, 15971), (65, 15974), (91, 16130), (98, 16196), (99, 16214), (104, 16244), (105, 16247), (116, 16319), (140, 16517), (141, 16529), (155, 16625), (161, 16667), (164, 16679), (175, 16775),

Gene: Colusalem_18 Start: 13216, Stop: 14469, Start Num: 6

Candidate Starts for Colusalem_18:

(Start: 6 @13216 has 90 MA's), (7, 13219), (11, 13240), (19, 13309), (25, 13375), (27, 13384), (38, 13471), (40, 13486), (58, 13630), (59, 13633), (60, 13648), (61, 13651), (62, 13657), (80, 13762), (82, 13774), (88, 13813), (94, 13858), (98, 13894), (103, 13936), (106, 13951), (118, 14029), (125, 14092), (129, 14116), (146, 14293), (153, 14329), (155, 14347), (157, 14356), (160, 14383), (162, 14392), (168, 14425),

Gene: Constance_20 Start: 15667, Stop: 16968, Start Num: 6

Candidate Starts for Constance_20:

(Start: 6 @15667 has 90 MA's), (9, 15685), (25, 15826), (53, 16036), (58, 16078), (65, 16114), (76, 16183), (88, 16255), (91, 16270), (93, 16297), (98, 16336), (99, 16354), (104, 16384), (105, 16387), (107, 16396), (116, 16459), (135, 16597), (140, 16657), (141, 16669), (155, 16765), (161, 16807), (164, 16819), (175, 16915),

Gene: CookieBear_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for CookieBear_21:

(Start: 6 @15623 has 90 MA's), (39, 15884), (53, 15992), (58, 16034), (65, 16070), (68, 16088), (83, 16178), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: Coral_18 Start: 13216, Stop: 14469, Start Num: 6

Candidate Starts for Coral_18:

(Start: 6 @13216 has 90 MA's), (7, 13219), (11, 13240), (19, 13309), (25, 13375), (27, 13384), (38, 13471), (40, 13486), (58, 13630), (59, 13633), (60, 13648), (61, 13651), (62, 13657), (80, 13762), (82, 13774), (88, 13813), (94, 13858), (98, 13894), (103, 13936), (106, 13951), (118, 14029), (125, 14092), (129, 14116), (146, 14293), (153, 14329), (155, 14347), (157, 14356), (160, 14383), (162, 14392), (168, 14425),

Gene: CosmicBrownie_21 Start: 15581, Stop: 16882, Start Num: 6

Candidate Starts for CosmicBrownie_21:

(Start: 6 @15581 has 90 MA's), (25, 15740), (31, 15785), (37, 15833), (39, 15842), (53, 15950), (58, 15992), (61, 16013), (65, 16028), (68, 16046), (83, 16136), (93, 16211), (98, 16250), (99, 16268), (105, 16301), (116, 16373), (140, 16571), (143, 16592), (144, 16607), (161, 16721), (164, 16733), (167, 16754), (169, 16766), (175, 16829),

Gene: Cote_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Cote_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82,

13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: Crescenzo_21 Start: 15514, Stop: 16815, Start Num: 6

Candidate Starts for Crescenzo_21:

(Start: 6 @15514 has 90 MA's), (9, 15532), (25, 15673), (35, 15751), (48, 15823), (58, 15925), (61, 15946), (65, 15961), (79, 16048), (84, 16072), (88, 16102), (91, 16117), (93, 16144), (98, 16183), (99, 16201), (100, 16216), (105, 16234), (116, 16306), (135, 16444), (155, 16612), (161, 16654), (164, 16666), (175, 16762),

Gene: Cygnet_18 Start: 14044, Stop: 15291, Start Num: 6

Candidate Starts for Cygnet_18:

(Start: 6 @14044 has 90 MA's), (19, 14137), (23, 14158), (25, 14203), (43, 14329), (57, 14455), (59, 14461), (61, 14479), (62, 14485), (66, 14506), (71, 14530), (75, 14566), (80, 14590), (81, 14599), (82, 14602), (88, 14638), (90, 14650), (93, 14680), (94, 14683), (98, 14719), (103, 14761), (117, 14851), (127, 14926), (141, 15076), (146, 15118), (148, 15124), (151, 15139), (157, 15181), (160, 15208), (162, 15217), (165, 15229), (171, 15271),

Gene: DanHam62_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for DanHam62_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (80, 13477), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Daob_19 Start: 13380, Stop: 14633, Start Num: 6

Candidate Starts for Daob_19:

(Start: 6 @13380 has 90 MA's), (7, 13383), (11, 13404), (19, 13473), (25, 13539), (27, 13548), (38, 13635), (40, 13650), (58, 13794), (59, 13797), (60, 13812), (61, 13815), (62, 13821), (80, 13926), (82, 13938), (88, 13977), (94, 14022), (98, 14058), (103, 14100), (106, 14115), (118, 14193), (125, 14256), (129, 14280), (146, 14457), (153, 14493), (155, 14511), (157, 14520), (160, 14547), (162, 14556), (168, 14589),

Gene: DarwinJr_24 Start: 16818, Stop: 18119, Start Num: 6

Candidate Starts for DarwinJr_24:

(Start: 6 @16818 has 90 MA's), (9, 16836), (25, 16977), (35, 17055), (48, 17127), (58, 17229), (61, 17250), (65, 17265), (79, 17352), (84, 17376), (88, 17406), (91, 17421), (93, 17448), (98, 17487), (99, 17505), (100, 17520), (105, 17538), (116, 17610), (135, 17748), (155, 17916), (161, 17958), (164, 17970), (175, 18066),

Gene: Ding_21 Start: 15686, Stop: 16987, Start Num: 6

Candidate Starts for Ding_21:

(Start: 6 @15686 has 90 MA's), (25, 15845), (32, 15902), (35, 15923), (45, 15974), (53, 16055), (58, 16097), (59, 16100), (61, 16118), (65, 16133), (75, 16199), (83, 16241), (88, 16274), (98, 16355), (99, 16373), (100, 16388), (105, 16406), (116, 16478), (130, 16559), (131, 16580), (135, 16616), (138, 16646), (140, 16676), (143, 16697), (155, 16784), (161, 16826), (175, 16934),

Gene: Edmundo_69 Start: 42213, Stop: 43382, Start Num: 6

Candidate Starts for Edmundo_69:

(Start: 6 @42213 has 90 MA's), (8, 42222), (10, 42234), (14, 42261), (21, 42318), (23, 42324), (26, 42366), (33, 42423), (35, 42441), (36, 42453), (40, 42474), (59, 42567), (62, 42591), (67, 42615), (71,

42636), (72, 42651), (86, 42732), (88, 42744), (91, 42759), (92, 42777), (98, 42825), (110, 42909), (125, 43002), (126, 43008), (139, 43134), (146, 43203), (161, 43302), (167, 43335),

Gene: Eesa_18 Start: 14631, Stop: 15881, Start Num: 6

Candidate Starts for Eesa_18:

(Start: 6 @14631 has 90 MA's), (12, 14664), (16, 14697), (30, 14814), (36, 14880), (58, 15042), (59, 15045), (73, 15132), (82, 15186), (86, 15213), (88, 15225), (89, 15231), (93, 15267), (94, 15270), (98, 15306), (104, 15354), (114, 15420), (125, 15504), (129, 15528), (140, 15651), (141, 15663), (143, 15672), (146, 15705), (148, 15711), (151, 15726), (154, 15747), (156, 15762), (157, 15768), (158, 15774), (160, 15795), (162, 15804), (168, 15837),

Gene: Eileen_20 Start: 15628, Stop: 16929, Start Num: 6

Candidate Starts for Eileen_20:

(Start: 6 @15628 has 90 MA's), (9, 15646), (15, 15688), (25, 15787), (53, 15997), (58, 16039), (65, 16075), (88, 16216), (91, 16231), (93, 16258), (95, 16267), (98, 16297), (99, 16315), (105, 16348), (116, 16420), (135, 16558), (140, 16618), (141, 16630), (155, 16726), (161, 16768), (164, 16780), (175, 16876),

Gene: Fingolfin_17 Start: 12932, Stop: 14176, Start Num: 6

Candidate Starts for Fingolfin_17:

(Start: 6 @12932 has 90 MA's), (19, 13025), (23, 13046), (25, 13091), (30, 13115), (38, 13187), (40, 13202), (57, 13343), (58, 13346), (59, 13349), (60, 13364), (61, 13367), (62, 13373), (75, 13454), (80, 13478), (82, 13490), (86, 13517), (94, 13574), (98, 13610), (103, 13652), (106, 13667), (117, 13742), (121, 13784), (122, 13790), (128, 13817), (129, 13829), (131, 13856), (146, 14006), (148, 14012), (153, 14042), (157, 14069), (160, 14096), (162, 14105), (168, 14138), (172, 14168),

Gene: FosterFrank_20 Start: 15625, Stop: 16926, Start Num: 6

Candidate Starts for FosterFrank_20:

(Start: 6 @15625 has 90 MA's), (9, 15643), (25, 15784), (53, 15994), (58, 16036), (65, 16072), (76, 16141), (88, 16213), (91, 16228), (93, 16255), (98, 16294), (99, 16312), (104, 16342), (105, 16345), (107, 16354), (116, 16417), (135, 16555), (140, 16615), (141, 16627), (155, 16723), (161, 16765), (164, 16777), (175, 16873),

Gene: Globfish_21 Start: 15696, Stop: 16997, Start Num: 6

Candidate Starts for Globfish_21:

(Start: 6 @15696 has 90 MA's), (39, 15957), (53, 16065), (58, 16107), (68, 16161), (84, 16254), (93, 16326), (98, 16365), (99, 16383), (104, 16413), (105, 16416), (111, 16446), (116, 16488), (130, 16569), (140, 16686), (143, 16707), (152, 16773), (161, 16836), (164, 16848), (175, 16944),

Gene: GlobiWarming_20 Start: 15621, Stop: 16922, Start Num: 6

Candidate Starts for GlobiWarming_20:

(Start: 6 @15621 has 90 MA's), (9, 15639), (53, 15990), (58, 16032), (65, 16068), (88, 16209), (91, 16224), (93, 16251), (98, 16290), (99, 16308), (105, 16341), (115, 16404), (116, 16413), (135, 16551), (140, 16611), (141, 16623), (155, 16719), (161, 16761), (164, 16773), (175, 16869),

Gene: Glotell_17 Start: 12929, Stop: 14173, Start Num: 6

Candidate Starts for Glotell_17:

(Start: 6 @12929 has 90 MA's), (19, 13022), (23, 13043), (25, 13088), (30, 13112), (38, 13184), (57, 13340), (58, 13343), (59, 13346), (60, 13361), (61, 13364), (62, 13370), (75, 13451), (80, 13475), (82, 13487), (86, 13514), (94, 13571), (98, 13607), (103, 13649), (106, 13664), (117, 13739), (121, 13781), (122, 13787), (128, 13814), (129, 13826), (131, 13853), (146, 14003), (148, 14009), (153, 14039), (157, 14066), (160, 14093), (162, 14102), (168, 14135), (172, 14165),

Gene: Gorpy_21 Start: 15632, Stop: 16933, Start Num: 6

Candidate Starts for Gorpy_21:

(Start: 6 @15632 has 90 MA's), (39, 15893), (45, 15920), (49, 15971), (53, 16001), (58, 16043), (61, 16064), (65, 16079), (68, 16097), (93, 16262), (98, 16301), (99, 16319), (105, 16352), (116, 16424), (140, 16622), (141, 16634), (143, 16643), (144, 16658), (161, 16772), (164, 16784), (167, 16805), (169, 16817), (175, 16880),

Gene: Gravel_19 Start: 14537, Stop: 15787, Start Num: 6

Candidate Starts for Gravel_19:

(Start: 6 @14537 has 90 MA's), (16, 14603), (22, 14645), (28, 14708), (32, 14753), (36, 14786), (58, 14948), (59, 14951), (78, 15071), (82, 15092), (86, 15119), (88, 15131), (89, 15137), (94, 15176), (98, 15212), (104, 15260), (125, 15410), (129, 15434), (140, 15557), (141, 15569), (143, 15578), (146, 15611), (148, 15617), (151, 15632), (154, 15653), (156, 15668), (157, 15674), (158, 15680), (160, 15701), (162, 15710), (168, 15743),

Gene: GumGum_21 Start: 15572, Stop: 16873, Start Num: 6

Candidate Starts for GumGum_21:

(Start: 6 @15572 has 90 MA's), (25, 15731), (31, 15776), (39, 15833), (53, 15941), (58, 15983), (65, 16019), (68, 16037), (83, 16127), (93, 16202), (98, 16241), (99, 16259), (105, 16292), (116, 16364), (140, 16562), (141, 16574), (143, 16583), (161, 16712), (164, 16724), (167, 16745), (169, 16757), (175, 16820),

Gene: HamCheese_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for HamCheese_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: HannahPhantana_19 Start: 13380, Stop: 14633, Start Num: 6

Candidate Starts for HannahPhantana_19:

(Start: 6 @13380 has 90 MA's), (7, 13383), (11, 13404), (19, 13473), (25, 13539), (27, 13548), (38, 13635), (40, 13650), (58, 13794), (59, 13797), (60, 13812), (61, 13815), (62, 13821), (80, 13926), (82, 13938), (88, 13977), (94, 14022), (98, 14058), (103, 14100), (106, 14115), (118, 14193), (125, 14256), (129, 14280), (146, 14457), (153, 14493), (155, 14511), (157, 14520), (160, 14547), (162, 14556), (168, 14589),

Gene: Henrique_20 Start: 15646, Stop: 16947, Start Num: 6

Candidate Starts for Henrique_20:

(Start: 6 @15646 has 90 MA's), (9, 15664), (25, 15805), (53, 16015), (58, 16057), (65, 16093), (86, 16222), (88, 16234), (91, 16249), (93, 16276), (95, 16285), (98, 16315), (99, 16333), (105, 16366), (111, 16396), (115, 16429), (116, 16438), (135, 16576), (140, 16636), (141, 16648), (155, 16744), (161, 16786), (164, 16798), (175, 16894),

Gene: Hestia_21 Start: 15801, Stop: 17102, Start Num: 6

Candidate Starts for Hestia_21:

(Start: 6 @15801 has 90 MA's), (39, 16062), (53, 16170), (58, 16212), (65, 16248), (68, 16266), (83, 16356), (93, 16431), (98, 16470), (99, 16488), (105, 16521), (116, 16593), (140, 16791), (141, 16803), (143, 16812), (161, 16941), (164, 16953), (167, 16974), (169, 16986), (175, 17049),

Gene: Hillester_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for Hillester_21:

(Start: 6 @15623 has 90 MA's), (35, 15860), (39, 15884), (45, 15911), (49, 15962), (53, 15992), (58, 16034), (61, 16055), (65, 16070), (68, 16088), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (143, 16634), (144, 16649), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: HotPotato_20 Start: 15629, Stop: 16930, Start Num: 6

Candidate Starts for HotPotato_20:

(Start: 6 @15629 has 90 MA's), (9, 15647), (25, 15788), (53, 15998), (58, 16040), (65, 16076), (88, 16217), (91, 16232), (93, 16259), (98, 16298), (99, 16316), (105, 16349), (116, 16421), (135, 16559), (140, 16619), (141, 16631), (155, 16727), (161, 16769), (164, 16781), (175, 16877),

Gene: Isolde_21 Start: 15458, Stop: 16759, Start Num: 6

Candidate Starts for Isolde_21:

(Start: 6 @15458 has 90 MA's), (39, 15719), (53, 15827), (58, 15869), (65, 15905), (68, 15923), (83, 16013), (93, 16088), (98, 16127), (99, 16145), (105, 16178), (116, 16250), (140, 16448), (141, 16460), (143, 16469), (144, 16484), (161, 16598), (164, 16610), (167, 16631), (169, 16643), (175, 16706),

Gene: Jamun_18 Start: 14074, Stop: 15324, Start Num: 6

Candidate Starts for Jamun_18:

(Start: 6 @14074 has 90 MA's), (12, 14107), (16, 14140), (24, 14203), (25, 14233), (36, 14323), (45, 14362), (51, 14422), (54, 14446), (55, 14461), (58, 14485), (59, 14488), (61, 14506), (75, 14593), (80, 14617), (82, 14629), (86, 14656), (94, 14713), (98, 14749), (104, 14797), (118, 14884), (125, 14947), (129, 14971), (134, 15025), (136, 15043), (144, 15130), (146, 15148), (153, 15184), (156, 15205), (157, 15211), (160, 15238), (162, 15247), (168, 15280),

Gene: JellyBread_21 Start: 15616, Stop: 16917, Start Num: 6

Candidate Starts for JellyBread_21:

(Start: 6 @15616 has 90 MA's), (35, 15853), (39, 15877), (45, 15904), (49, 15955), (53, 15985), (58, 16027), (61, 16048), (65, 16063), (68, 16081), (93, 16246), (98, 16285), (99, 16303), (105, 16336), (116, 16408), (140, 16606), (141, 16618), (143, 16627), (144, 16642), (161, 16756), (164, 16768), (167, 16789), (169, 16801), (175, 16864),

Gene: Jerole_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Jerole_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: Judy_21 Start: 15938, Stop: 17239, Start Num: 6

Candidate Starts for Judy_21:

(Start: 6 @15938 has 90 MA's), (9, 15956), (25, 16097), (53, 16307), (58, 16349), (65, 16385), (76, 16454), (88, 16526), (91, 16541), (93, 16568), (98, 16607), (99, 16625), (104, 16655), (107, 16667), (116, 16730), (135, 16868), (140, 16928), (141, 16940), (155, 17036), (161, 17078), (164, 17090), (175, 17186),

Gene: Juno112_17 Start: 12932, Stop: 14176, Start Num: 6

Candidate Starts for Juno112_17:

(Start: 6 @12932 has 90 MA's), (19, 13025), (23, 13046), (25, 13091), (30, 13115), (38, 13187), (40, 13202), (57, 13343), (58, 13346), (59, 13349), (60, 13364), (61, 13367), (62, 13373), (75, 13454), (80, 13478), (82, 13490), (86, 13517), (94, 13574), (98, 13610), (103, 13652), (106, 13667), (117, 13742), (121, 13784), (122, 13790), (128, 13817), (129, 13829), (131, 13856), (146, 14006), (148, 14012),

(153, 14042), (157, 14069), (160, 14096), (162, 14105), (168, 14138), (172, 14168),

Gene: KHumphrey_17 Start: 12929, Stop: 14173, Start Num: 6

Candidate Starts for KHumphrey_17:

(Start: 6 @12929 has 90 MA's), (19, 13022), (23, 13043), (25, 13088), (30, 13112), (38, 13184), (57, 13340), (58, 13343), (59, 13346), (60, 13361), (61, 13364), (62, 13370), (75, 13451), (80, 13475), (82, 13487), (86, 13514), (94, 13571), (98, 13607), (103, 13649), (106, 13664), (117, 13739), (121, 13781), (122, 13787), (128, 13814), (129, 13826), (131, 13853), (146, 14003), (148, 14009), (153, 14039), (157, 14066), (160, 14093), (162, 14102), (168, 14135), (172, 14165),

Gene: Kabloowy_21 Start: 15812, Stop: 17113, Start Num: 6

Candidate Starts for Kabloowy_21:

(Start: 6 @15812 has 90 MA's), (12, 15845), (39, 16073), (53, 16181), (58, 16223), (61, 16244), (65, 16259), (68, 16277), (83, 16367), (93, 16442), (98, 16481), (99, 16499), (105, 16532), (116, 16604), (140, 16802), (143, 16823), (144, 16838), (161, 16952), (164, 16964), (167, 16985), (169, 16997), (175, 17060),

Gene: Karkharias_20 Start: 15625, Stop: 16926, Start Num: 6

Candidate Starts for Karkharias_20:

(Start: 6 @15625 has 90 MA's), (9, 15643), (15, 15685), (25, 15784), (53, 15994), (58, 16036), (65, 16072), (86, 16201), (88, 16213), (91, 16228), (93, 16255), (95, 16264), (98, 16294), (99, 16312), (105, 16345), (111, 16375), (115, 16408), (116, 16417), (135, 16555), (140, 16615), (141, 16627), (155, 16723), (161, 16765), (164, 16777), (169, 16810), (175, 16873),

Gene: KayMoney_20 Start: 15529, Stop: 16830, Start Num: 6

Candidate Starts for KayMoney_20:

(Start: 6 @15529 has 90 MA's), (9, 15547), (25, 15688), (32, 15745), (35, 15766), (58, 15940), (64, 15973), (65, 15976), (91, 16132), (98, 16198), (99, 16216), (104, 16246), (105, 16249), (116, 16321), (129, 16396), (140, 16519), (141, 16531), (155, 16627), (161, 16669), (164, 16681), (175, 16777),

Gene: KendraB23_19 Start: 14538, Stop: 15788, Start Num: 6

Candidate Starts for KendraB23_19:

(Start: 6 @14538 has 90 MA's), (16, 14604), (22, 14646), (28, 14709), (32, 14754), (36, 14787), (58, 14949), (59, 14952), (78, 15072), (82, 15093), (86, 15120), (88, 15132), (89, 15138), (94, 15177), (98, 15213), (104, 15261), (125, 15411), (129, 15435), (140, 15558), (141, 15570), (143, 15579), (146, 15612), (148, 15618), (151, 15633), (154, 15654), (156, 15669), (157, 15675), (158, 15681), (160, 15702), (162, 15711), (168, 15744),

Gene: Kepler_18 Start: 13215, Stop: 14468, Start Num: 6

Candidate Starts for Kepler_18:

(Start: 6 @13215 has 90 MA's), (7, 13218), (11, 13239), (19, 13308), (25, 13374), (27, 13383), (38, 13470), (40, 13485), (58, 13629), (59, 13632), (60, 13647), (61, 13650), (62, 13656), (80, 13761), (82, 13773), (88, 13812), (94, 13857), (98, 13893), (103, 13935), (106, 13950), (118, 14028), (125, 14091), (129, 14115), (146, 14292), (153, 14328), (155, 14346), (157, 14355), (160, 14382), (162, 14391), (168, 14424),

Gene: Kharcho_45 Start: 24006, Stop: 25181, Start Num: 6

Candidate Starts for Kharcho_45:

(1, 23298), (2, 23742), (3, 23829), (Start: 6 @24006 has 90 MA's), (10, 24027), (13, 24042), (26, 24156), (33, 24213), (35, 24231), (40, 24264), (57, 24351), (67, 24405), (69, 24411), (82, 24495), (84, 24504), (92, 24573), (93, 24582), (96, 24594), (97, 24603), (108, 24696), (110, 24705), (120, 24783), (123, 24789), (140, 24945), (141, 24957), (146, 24999), (149, 25008), (161, 25098), (166, 25122),

Gene: Kovu_67 Start: 42081, Stop: 43256, Start Num: 6

Candidate Starts for Kovu_67:

(3, 41904), (Start: 6 @42081 has 90 MA's), (10, 42102), (17, 42150), (21, 42183), (33, 42288), (41, 42348), (42, 42351), (50, 42405), (59, 42432), (67, 42480), (82, 42570), (83, 42576), (90, 42627), (92, 42648), (93, 42657), (96, 42669), (97, 42678), (120, 42858), (123, 42864), (132, 42930), (140, 43020), (142, 43038), (161, 43173), (162, 43179), (166, 43197), (170, 43227),

Gene: Kuleana_18 Start: 13395, Stop: 14642, Start Num: 6

Candidate Starts for Kuleana_18:

(Start: 6 @13395 has 90 MA's), (19, 13488), (20, 13491), (22, 13503), (23, 13509), (25, 13554), (27, 13563), (29, 13572), (34, 13626), (43, 13680), (59, 13812), (61, 13830), (62, 13836), (82, 13953), (90, 14001), (94, 14034), (98, 14070), (101, 14106), (104, 14118), (109, 14148), (116, 14196), (121, 14247), (123, 14259), (129, 14292), (144, 14451), (146, 14469), (148, 14475), (151, 14490), (157, 14532), (158, 14538), (160, 14559), (162, 14568), (163, 14571), (173, 14637),

Gene: Laphuphu24k_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for Laphuphu24k_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Laroye_69 Start: 41604, Stop: 42773, Start Num: 6

Candidate Starts for Laroye_69:

(Start: 6 @41604 has 90 MA's), (8, 41613), (10, 41625), (14, 41652), (21, 41709), (23, 41715), (33, 41814), (35, 41832), (36, 41844), (40, 41865), (59, 41958), (62, 41982), (67, 42006), (71, 42027), (85, 42120), (86, 42123), (87, 42129), (88, 42135), (90, 42147), (92, 42168), (98, 42216), (102, 42255), (110, 42300), (125, 42393), (126, 42399), (132, 42450), (145, 42582), (146, 42594), (161, 42693), (167, 42726),

Gene: Lasker_21 Start: 15631, Stop: 16932, Start Num: 6

Candidate Starts for Lasker_21:

(Start: 6 @15631 has 90 MA's), (31, 15835), (35, 15868), (39, 15892), (48, 15940), (49, 15970), (53, 16000), (58, 16042), (65, 16078), (68, 16096), (93, 16261), (98, 16300), (99, 16318), (105, 16351), (116, 16423), (140, 16621), (141, 16633), (161, 16771), (164, 16783), (167, 16804), (169, 16816), (175, 16879),

Gene: Lawnathon_21 Start: 15552, Stop: 16853, Start Num: 6

Candidate Starts for Lawnathon_21:

(Start: 6 @15552 has 90 MA's), (39, 15813), (53, 15921), (58, 15963), (65, 15999), (68, 16017), (83, 16107), (93, 16182), (98, 16221), (99, 16239), (105, 16272), (116, 16344), (140, 16542), (141, 16554), (143, 16563), (144, 16578), (161, 16692), (164, 16704), (167, 16725), (169, 16737), (175, 16800),

Gene: LeBruni_22 Start: 15423, Stop: 16724, Start Num: 6

Candidate Starts for LeBruni_22:

(4, 15246), (5, 15249), (Start: 6 @15423 has 90 MA's), (9, 15441), (15, 15483), (25, 15582), (32, 15639), (48, 15732), (51, 15771), (58, 15834), (61, 15855), (63, 15864), (83, 15978), (84, 15981), (85, 15996), (88, 16011), (90, 16023), (95, 16062), (98, 16092), (99, 16110), (104, 16140), (105, 16143), (107, 16152), (116, 16215), (131, 16317), (135, 16353), (155, 16521), (161, 16563), (175, 16671),

Gene: Leona_17 Start: 12982, Stop: 14229, Start Num: 6

Candidate Starts for Leona_17:

(Start: 6 @12982 has 90 MA's), (19, 13075), (23, 13096), (25, 13141), (30, 13165), (38, 13237), (57, 13393), (58, 13396), (59, 13399), (60, 13414), (61, 13417), (75, 13504), (80, 13528), (82, 13540), (86, 13567), (94, 13624), (98, 13660), (106, 13717), (117, 13792), (121, 13834), (122, 13840), (128, 13867), (129, 13879), (131, 13906), (146, 14056), (148, 14062), (153, 14092), (157, 14119), (160, 14146), (162, 14155), (168, 14188), (172, 14218), (174, 14224),

Gene: LiSara_66 Start: 41766, Stop: 42935, Start Num: 6

Candidate Starts for LiSara_66:

(Start: 6 @41766 has 90 MA's), (8, 41775), (10, 41787), (14, 41814), (21, 41871), (23, 41877), (33, 41976), (35, 41994), (36, 42006), (40, 42027), (59, 42120), (62, 42144), (67, 42168), (71, 42189), (85, 42282), (86, 42285), (87, 42291), (88, 42297), (90, 42309), (92, 42330), (98, 42378), (102, 42417), (110, 42462), (125, 42555), (126, 42561), (132, 42612), (145, 42744), (146, 42756), (161, 42855), (167, 42888),

Gene: LilyBell_20 Start: 15641, Stop: 16942, Start Num: 6

Candidate Starts for LilyBell_20:

(Start: 6 @15641 has 90 MA's), (9, 15659), (25, 15800), (53, 16010), (58, 16052), (65, 16088), (76, 16157), (88, 16229), (91, 16244), (93, 16271), (98, 16310), (99, 16328), (104, 16358), (105, 16361), (107, 16370), (116, 16433), (135, 16571), (140, 16631), (141, 16643), (155, 16739), (161, 16781), (164, 16793), (175, 16889),

Gene: LittleRon_20 Start: 15499, Stop: 16800, Start Num: 6

Candidate Starts for LittleRon_20:

(Start: 6 @15499 has 90 MA's), (9, 15517), (25, 15658), (32, 15715), (35, 15736), (58, 15910), (64, 15943), (65, 15946), (91, 16102), (98, 16168), (99, 16186), (104, 16216), (105, 16219), (116, 16291), (140, 16489), (141, 16501), (155, 16597), (161, 16639), (164, 16651), (175, 16747),

Gene: LittleTokyo_18 Start: 13345, Stop: 14595, Start Num: 6

Candidate Starts for LittleTokyo_18:

(Start: 6 @13345 has 90 MA's), (19, 13438), (22, 13453), (25, 13504), (27, 13513), (35, 13582), (37, 13597), (55, 13735), (57, 13756), (58, 13759), (59, 13762), (61, 13780), (62, 13786), (75, 13867), (82, 13903), (85, 13924), (86, 13927), (88, 13939), (90, 13951), (93, 13981), (94, 13984), (98, 14020), (144, 14401), (146, 14419), (148, 14425), (151, 14440), (157, 14482), (160, 14509), (162, 14518), (163, 14521), (171, 14572),

Gene: Lunar_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Lunar_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: MUWow_20 Start: 15716, Stop: 17017, Start Num: 6

Candidate Starts for MUWow_20:

(Start: 6 @15716 has 90 MA's), (35, 15953), (39, 15977), (45, 16004), (49, 16055), (53, 16085), (58, 16127), (65, 16163), (68, 16181), (83, 16271), (93, 16346), (98, 16385), (99, 16403), (105, 16436), (116, 16508), (140, 16706), (141, 16718), (143, 16727), (152, 16793), (161, 16856), (164, 16868), (167, 16889), (169, 16901), (175, 16964),

Gene: Mapleville_21 Start: 15622, Stop: 16923, Start Num: 6

Candidate Starts for Mapleville_21:

(Start: 6 @15622 has 90 MA's), (39, 15883), (53, 15991), (58, 16033), (65, 16069), (68, 16087), (83, 16177), (93, 16252), (98, 16291), (99, 16309), (105, 16342), (116, 16414), (140, 16612), (141, 16624), (143, 16633), (144, 16648), (161, 16762), (164, 16774), (167, 16795), (169, 16807), (175, 16870),

Gene: MaterMagnus_21 Start: 15624, Stop: 16925, Start Num: 6

Candidate Starts for MaterMagnus_21:

(Start: 6 @15624 has 90 MA's), (39, 15885), (53, 15993), (58, 16035), (65, 16071), (68, 16089), (83, 16179), (93, 16254), (98, 16293), (99, 16311), (105, 16344), (116, 16416), (140, 16614), (141, 16626), (143, 16635), (152, 16701), (161, 16764), (164, 16776), (167, 16797), (169, 16809), (175, 16872),

Gene: Melons_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Melons_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: MidnightRain_21 Start: 15622, Stop: 16923, Start Num: 6

Candidate Starts for MidnightRain_21:

(Start: 6 @15622 has 90 MA's), (31, 15826), (35, 15859), (39, 15883), (48, 15931), (49, 15961), (53, 15991), (58, 16033), (65, 16069), (68, 16087), (83, 16177), (93, 16252), (98, 16291), (99, 16309), (105, 16342), (116, 16414), (140, 16612), (141, 16624), (161, 16762), (164, 16774), (167, 16795), (169, 16807), (175, 16870),

Gene: MurphyJoseph_21 Start: 15707, Stop: 17008, Start Num: 6

Candidate Starts for MurphyJoseph_21:

(Start: 6 @15707 has 90 MA's), (9, 15725), (12, 15740), (22, 15815), (25, 15866), (35, 15944), (48, 16016), (58, 16118), (61, 16139), (65, 16154), (79, 16241), (84, 16265), (88, 16295), (91, 16310), (93, 16337), (98, 16376), (99, 16394), (100, 16409), (105, 16427), (116, 16499), (117, 16505), (131, 16601), (140, 16697), (155, 16805), (161, 16847), (164, 16859), (175, 16955),

Gene: NewKitty_22 Start: 15853, Stop: 17154, Start Num: 6

Candidate Starts for NewKitty_22:

(Start: 6 @15853 has 90 MA's), (31, 16057), (35, 16090), (39, 16114), (48, 16162), (49, 16192), (53, 16222), (58, 16264), (65, 16300), (68, 16318), (75, 16366), (93, 16483), (98, 16522), (99, 16540), (105, 16573), (116, 16645), (140, 16843), (141, 16855), (143, 16864), (161, 16993), (164, 17005), (167, 17026), (169, 17038), (175, 17101),

Gene: Niblet_18 Start: 14417, Stop: 15667, Start Num: 6

Candidate Starts for Niblet_18:

(Start: 6 @14417 has 90 MA's), (12, 14450), (16, 14483), (22, 14525), (27, 14585), (30, 14600), (36, 14666), (58, 14828), (59, 14831), (82, 14972), (88, 15011), (89, 15017), (94, 15056), (98, 15092), (113, 15200), (125, 15290), (129, 15314), (136, 15386), (137, 15401), (140, 15437), (146, 15491), (148, 15497), (150, 15509), (157, 15554), (158, 15560), (160, 15581), (162, 15590),

Gene: NidoQ_20 Start: 15681, Stop: 16982, Start Num: 6

Candidate Starts for NidoQ_20:

(Start: 6 @15681 has 90 MA's), (9, 15699), (25, 15840), (53, 16050), (58, 16092), (65, 16128), (76, 16197), (88, 16269), (91, 16284), (93, 16311), (98, 16350), (99, 16368), (104, 16398), (105, 16401), (107, 16410), (116, 16473), (135, 16611), (140, 16671), (141, 16683), (155, 16779), (161, 16821), (164, 16833), (175, 16929),

Gene: NikkiHotWheels_20 Start: 15642, Stop: 16943, Start Num: 6

Candidate Starts for NikkiHotWheels_20:

(Start: 6 @15642 has 90 MA's), (9, 15660), (25, 15801), (53, 16011), (58, 16053), (61, 16074), (65, 16089), (88, 16230), (91, 16245), (93, 16272), (98, 16311), (99, 16329), (105, 16362), (116, 16434), (135, 16572), (140, 16632), (141, 16644), (155, 16740), (161, 16782), (164, 16794), (175, 16890),

Gene: Nyilah_20 Start: 15613, Stop: 16914, Start Num: 6

Candidate Starts for Nyilah_20:

(Start: 6 @15613 has 90 MA's), (25, 15772), (31, 15817), (39, 15874), (53, 15982), (58, 16024), (65, 16060), (68, 16078), (83, 16168), (93, 16243), (98, 16282), (99, 16300), (105, 16333), (116, 16405), (140, 16603), (143, 16624), (144, 16639), (161, 16753), (164, 16765), (167, 16786), (169, 16798), (175, 16861),

Gene: Oppalora_17 Start: 12929, Stop: 14173, Start Num: 6

Candidate Starts for Oppalora_17:

(Start: 6 @12929 has 90 MA's), (19, 13022), (23, 13043), (25, 13088), (30, 13112), (38, 13184), (40, 13199), (57, 13340), (58, 13343), (59, 13346), (60, 13361), (61, 13364), (62, 13370), (75, 13451), (80, 13475), (82, 13487), (86, 13514), (94, 13571), (98, 13607), (103, 13649), (106, 13664), (117, 13739), (121, 13781), (122, 13787), (128, 13814), (129, 13826), (131, 13853), (146, 14003), (148, 14009), (153, 14039), (157, 14066), (160, 14093), (162, 14102), (168, 14135), (172, 14165),

Gene: Orcanus_18 Start: 14331, Stop: 15581, Start Num: 6

Candidate Starts for Orcanus_18:

(Start: 6 @14331 has 90 MA's), (16, 14397), (22, 14439), (28, 14502), (32, 14547), (36, 14580), (58, 14742), (59, 14745), (73, 14832), (78, 14865), (82, 14886), (86, 14913), (88, 14925), (89, 14931), (94, 14970), (98, 15006), (104, 15054), (115, 15123), (125, 15204), (129, 15228), (140, 15351), (143, 15372), (146, 15405), (148, 15411), (151, 15426), (154, 15447), (156, 15462), (157, 15468), (158, 15474), (160, 15495), (162, 15504), (168, 15537),

Gene: OtsoOtso_18 Start: 13219, Stop: 14472, Start Num: 6

Candidate Starts for OtsoOtso_18:

(Start: 6 @13219 has 90 MA's), (7, 13222), (11, 13243), (19, 13312), (25, 13378), (27, 13387), (38, 13474), (40, 13489), (58, 13633), (59, 13636), (60, 13651), (61, 13654), (62, 13660), (80, 13765), (82, 13777), (88, 13816), (94, 13861), (98, 13897), (103, 13939), (106, 13954), (118, 14032), (125, 14095), (129, 14119), (130, 14125), (146, 14296), (153, 14332), (155, 14350), (157, 14359), (160, 14386), (162, 14395), (168, 14428),

Gene: Ottawa_45 Start: 24004, Stop: 25179, Start Num: 6

Candidate Starts for Ottawa_45:

(1, 23296), (2, 23740), (3, 23827), (Start: 6 @24004 has 90 MA's), (10, 24025), (13, 24040), (26, 24154), (33, 24211), (35, 24229), (40, 24262), (57, 24349), (67, 24403), (69, 24409), (82, 24493), (84, 24502), (92, 24571), (93, 24580), (96, 24592), (97, 24601), (108, 24694), (110, 24703), (120, 24781), (123, 24787), (140, 24943), (141, 24955), (146, 24997), (149, 25006), (161, 25096), (166, 25120),

Gene: Peas_20 Start: 15628, Stop: 16929, Start Num: 6

Candidate Starts for Peas_20:

(Start: 6 @15628 has 90 MA's), (9, 15646), (15, 15688), (25, 15787), (53, 15997), (58, 16039), (65, 16075), (88, 16216), (91, 16231), (93, 16258), (95, 16267), (98, 16297), (99, 16315), (105, 16348), (116, 16420), (135, 16558), (140, 16618), (141, 16630), (155, 16726), (161, 16768), (164, 16780), (175, 16876),

Gene: PeggyLeg03_20 Start: 15667, Stop: 16968, Start Num: 6

Candidate Starts for PeggyLeg03_20:

(Start: 6 @15667 has 90 MA's), (9, 15685), (25, 15826), (53, 16036), (58, 16078), (65, 16114), (76, 16183), (88, 16255), (91, 16270), (93, 16297), (98, 16336), (99, 16354), (104, 16384), (105, 16387), (107, 16396), (116, 16459), (135, 16597), (140, 16657), (141, 16669), (155, 16765), (161, 16807), (164, 16819), (175, 16915),

Gene: Pelletreau_19 Start: 14537, Stop: 15787, Start Num: 6

Candidate Starts for Pelletreau_19:

(Start: 6 @14537 has 90 MA's), (16, 14603), (22, 14645), (28, 14708), (32, 14753), (36, 14786), (58, 14948), (59, 14951), (78, 15071), (82, 15092), (86, 15119), (88, 15131), (89, 15137), (94, 15176), (98, 15212), (104, 15260), (125, 15410), (129, 15434), (140, 15557), (141, 15569), (143, 15578), (146, 15611), (148, 15617), (151, 15632), (154, 15653), (156, 15668), (157, 15674), (158, 15680), (160, 15701), (162, 15710), (168, 15743),

Gene: Persistence_20 Start: 15544, Stop: 16845, Start Num: 6

Candidate Starts for Persistence_20:

(Start: 6 @15544 has 90 MA's), (25, 15703), (40, 15814), (45, 15832), (48, 15853), (53, 15913), (58, 15955), (59, 15958), (68, 16009), (75, 16057), (83, 16099), (85, 16117), (88, 16132), (90, 16144), (91, 16147), (98, 16213), (99, 16231), (100, 16246), (105, 16264), (116, 16336), (130, 16417), (131, 16438), (143, 16555), (155, 16642), (161, 16684), (175, 16792),

Gene: PhirstandPhine_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for PhirstandPhine_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: PhluffyCoco_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for PhluffyCoco_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Phrank15_20 Start: 15557, Stop: 16858, Start Num: 6

Candidate Starts for Phrank15_20:

(Start: 6 @15557 has 90 MA's), (39, 15818), (53, 15926), (58, 15968), (65, 16004), (68, 16022), (83, 16112), (93, 16187), (96, 16199), (98, 16226), (99, 16244), (105, 16277), (116, 16349), (140, 16547), (141, 16559), (143, 16568), (144, 16583), (161, 16697), (164, 16709), (167, 16730), (169, 16742), (175, 16805),

Gene: Pineda_19 Start: 13377, Stop: 14630, Start Num: 6

Candidate Starts for Pineda_19:

(Start: 6 @13377 has 90 MA's), (7, 13380), (11, 13401), (19, 13470), (25, 13536), (27, 13545), (38, 13632), (40, 13647), (58, 13791), (59, 13794), (60, 13809), (61, 13812), (62, 13818), (80, 13923), (82, 13935), (88, 13974), (94, 14019), (98, 14055), (103, 14097), (106, 14112), (118, 14190), (125, 14253), (129, 14277), (146, 14454), (153, 14490), (155, 14508), (157, 14517), (160, 14544), (162, 14553), (168, 14586),

Gene: Polka_18 Start: 13219, Stop: 14472, Start Num: 6

Candidate Starts for Polka_18:

(Start: 6 @13219 has 90 MA's), (7, 13222), (11, 13243), (19, 13312), (25, 13378), (27, 13387), (38, 13474), (40, 13489), (58, 13633), (59, 13636), (60, 13651), (61, 13654), (62, 13660), (80, 13765), (82, 13777), (88, 13816), (94, 13861), (98, 13897), (103, 13939), (106, 13954), (118, 14032), (125, 14095), (129, 14119), (130, 14125), (146, 14296), (153, 14332), (155, 14350), (157, 14359), (160, 14386), (162, 14395), (168, 14428),

Gene: Pucara_20 Start: 15628, Stop: 16929, Start Num: 6

Candidate Starts for Pucara_20:

(Start: 6 @15628 has 90 MA's), (9, 15646), (25, 15787), (53, 15997), (58, 16039), (65, 16075), (88, 16216), (91, 16231), (93, 16258), (95, 16267), (98, 16297), (99, 16315), (105, 16348), (116, 16420), (135, 16558), (140, 16618), (141, 16630), (155, 16726), (161, 16768), (164, 16780), (175, 16876),

Gene: RadFad_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for RadFad_21:

(Start: 6 @15623 has 90 MA's), (35, 15860), (39, 15884), (45, 15911), (49, 15962), (53, 15992), (58, 16034), (61, 16055), (65, 16070), (68, 16088), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (143, 16634), (144, 16649), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: Raphaella_21 Start: 15623, Stop: 16924, Start Num: 6

Candidate Starts for Raphaella_21:

(Start: 6 @15623 has 90 MA's), (35, 15860), (39, 15884), (45, 15911), (49, 15962), (53, 15992), (58, 16034), (61, 16055), (65, 16070), (68, 16088), (93, 16253), (98, 16292), (99, 16310), (105, 16343), (116, 16415), (140, 16613), (141, 16625), (143, 16634), (144, 16649), (161, 16763), (164, 16775), (167, 16796), (169, 16808), (175, 16871),

Gene: Rattail_17 Start: 12982, Stop: 14229, Start Num: 6

Candidate Starts for Rattail_17:

(Start: 6 @12982 has 90 MA's), (19, 13075), (23, 13096), (25, 13141), (30, 13165), (38, 13237), (57, 13393), (58, 13396), (59, 13399), (60, 13414), (61, 13417), (75, 13504), (80, 13528), (82, 13540), (86, 13567), (94, 13624), (98, 13660), (106, 13717), (117, 13792), (121, 13834), (122, 13840), (128, 13867), (129, 13879), (131, 13906), (146, 14056), (148, 14062), (153, 14092), (157, 14119), (160, 14146), (162, 14155), (168, 14188), (172, 14218), (174, 14224),

Gene: RedFox_17 Start: 12931, Stop: 14175, Start Num: 6

Candidate Starts for RedFox_17:

(Start: 6 @12931 has 90 MA's), (19, 13024), (23, 13045), (25, 13090), (30, 13114), (38, 13186), (57, 13342), (58, 13345), (59, 13348), (60, 13363), (61, 13366), (62, 13372), (75, 13453), (80, 13477), (82, 13489), (86, 13516), (94, 13573), (98, 13609), (103, 13651), (106, 13666), (117, 13741), (121, 13783), (122, 13789), (128, 13816), (129, 13828), (131, 13855), (146, 14005), (148, 14011), (153, 14041), (157, 14068), (160, 14095), (162, 14104), (168, 14137), (172, 14167),

Gene: Renna12_18 Start: 13275, Stop: 14519, Start Num: 6

Candidate Starts for Renna12_18:

(Start: 6 @13275 has 90 MA's), (19, 13368), (23, 13389), (25, 13434), (38, 13530), (40, 13545), (57, 13686), (58, 13689), (59, 13692), (60, 13707), (61, 13710), (62, 13716), (75, 13797), (80, 13821), (82, 13833), (86, 13860), (94, 13917), (98, 13953), (103, 13995), (106, 14010), (116, 14079), (117, 14085), (121, 14127), (122, 14133), (128, 14160), (129, 14172), (131, 14199), (146, 14349), (148, 14355), (153, 14385), (157, 14412), (160, 14439), (162, 14448), (168, 14481), (172, 14511),

Gene: Richie_21 Start: 15638, Stop: 16939, Start Num: 6

Candidate Starts for Richie_21:

(Start: 6 @15638 has 90 MA's), (31, 15842), (35, 15875), (39, 15899), (48, 15947), (49, 15977), (53, 16007), (58, 16049), (65, 16085), (68, 16103), (93, 16268), (98, 16307), (99, 16325), (105, 16358), (116, 16430), (140, 16628), (141, 16640), (161, 16778), (164, 16790), (167, 16811), (169, 16823), (175, 16886),

Gene: Ruchi_18 Start: 14614, Stop: 15864, Start Num: 6

Candidate Starts for Ruchi_18:

(Start: 6 @14614 has 90 MA's), (12, 14647), (16, 14680), (24, 14743), (25, 14773), (36, 14863), (45, 14902), (51, 14962), (54, 14986), (55, 15001), (58, 15025), (59, 15028), (61, 15046), (75, 15133), (80, 15157), (82, 15169), (94, 15253), (98, 15289), (104, 15337), (118, 15424), (125, 15487), (129, 15511), (134, 15565), (136, 15583), (144, 15670), (146, 15688), (153, 15724), (156, 15745), (157, 15751), (160, 15778), (162, 15787),

Gene: Sakai_21 Start: 15632, Stop: 16933, Start Num: 6

Candidate Starts for Sakai_21:

(Start: 6 @15632 has 90 MA's), (39, 15893), (45, 15920), (49, 15971), (53, 16001), (58, 16043), (61, 16064), (65, 16079), (68, 16097), (93, 16262), (98, 16301), (99, 16319), (105, 16352), (116, 16424), (140, 16622), (141, 16634), (143, 16643), (144, 16658), (161, 16772), (164, 16784), (167, 16805), (169, 16817), (175, 16880),

Gene: Salgado_69 Start: 41420, Stop: 42589, Start Num: 6

Candidate Starts for Salgado_69:

(Start: 6 @41420 has 90 MA's), (8, 41429), (10, 41441), (14, 41468), (21, 41525), (23, 41531), (33, 41630), (35, 41648), (36, 41660), (40, 41681), (59, 41774), (62, 41798), (67, 41822), (71, 41843), (85, 41936), (87, 41945), (88, 41951), (90, 41963), (92, 41984), (98, 42032), (102, 42071), (110, 42116), (125, 42209), (126, 42215), (132, 42266), (145, 42398), (146, 42410), (161, 42509), (167, 42542),

Gene: Satrap_21 Start: 15544, Stop: 16845, Start Num: 6

Candidate Starts for Satrap_21:

(Start: 6 @15544 has 90 MA's), (18, 15634), (22, 15652), (25, 15703), (29, 15721), (35, 15781), (45, 15832), (51, 15892), (53, 15913), (57, 15952), (58, 15955), (61, 15976), (62, 15982), (65, 15991), (74, 16054), (83, 16099), (88, 16132), (91, 16147), (95, 16183), (98, 16213), (99, 16231), (100, 16246), (105, 16264), (115, 16327), (116, 16336), (131, 16438), (143, 16555), (150, 16606), (155, 16642), (161, 16684), (175, 16792),

Gene: Seahorse_22 Start: 15990, Stop: 17291, Start Num: 6

Candidate Starts for Seahorse_22:

(Start: 6 @15990 has 90 MA's), (9, 16008), (12, 16023), (39, 16251), (53, 16359), (58, 16401), (65, 16437), (68, 16455), (83, 16545), (93, 16620), (98, 16659), (99, 16677), (105, 16710), (116, 16782), (140, 16980), (161, 17130), (164, 17142), (167, 17163), (169, 17175), (175, 17238),

Gene: Shen_19 Start: 14538, Stop: 15788, Start Num: 6

Candidate Starts for Shen_19:

(Start: 6 @14538 has 90 MA's), (16, 14604), (22, 14646), (28, 14709), (32, 14754), (36, 14787), (58, 14949), (59, 14952), (62, 14976), (78, 15072), (82, 15093), (86, 15120), (88, 15132), (89, 15138), (94, 15177), (98, 15213), (104, 15261), (125, 15411), (129, 15435), (140, 15558), (141, 15570), (143, 15579), (146, 15612), (148, 15618), (151, 15633), (154, 15654), (156, 15669), (157, 15675), (158, 15681), (160, 15702), (162, 15711), (168, 15744),

Gene: Shrooms_67 Start: 39941, Stop: 41110, Start Num: 6

Candidate Starts for Shrooms_67:

(Start: 6 @39941 has 90 MA's), (8, 39950), (10, 39962), (21, 40046), (24, 40067), (25, 40091), (29, 40109), (30, 40115), (33, 40151), (35, 40169), (36, 40181), (40, 40202), (44, 40217), (47, 40229), (59,

40295), (71, 40364), (86, 40460), (88, 40472), (90, 40484), (92, 40505), (96, 40526), (97, 40535), (98, 40553), (102, 40592), (119, 40703), (125, 40730), (126, 40736), (132, 40787), (145, 40919), (146, 40931), (155, 40985), (157, 40994), (159, 41021), (161, 41030), (167, 41063),

Gene: Shukran_21 Start: 15544, Stop: 16845, Start Num: 6

Candidate Starts for Shukran_21:

(Start: 6 @15544 has 90 MA's), (18, 15634), (22, 15652), (25, 15703), (29, 15721), (35, 15781), (45, 15832), (51, 15892), (53, 15913), (57, 15952), (58, 15955), (61, 15976), (62, 15982), (65, 15991), (74, 16054), (83, 16099), (88, 16132), (91, 16147), (95, 16183), (98, 16213), (99, 16231), (100, 16246), (105, 16264), (115, 16327), (116, 16336), (131, 16438), (143, 16555), (150, 16606), (155, 16642), (161, 16684), (175, 16792),

Gene: SonDevVon_20 Start: 15625, Stop: 16926, Start Num: 6

Candidate Starts for SonDevVon_20:

(Start: 6 @15625 has 90 MA's), (31, 15829), (35, 15862), (39, 15886), (48, 15934), (49, 15964), (53, 15994), (58, 16036), (65, 16072), (68, 16090), (93, 16255), (95, 16264), (98, 16294), (99, 16312), (105, 16345), (116, 16417), (140, 16615), (141, 16627), (161, 16765), (164, 16777), (167, 16798), (169, 16810), (175, 16873),

Gene: SpicyFrank_21 Start: 15700, Stop: 17001, Start Num: 6

Candidate Starts for SpicyFrank_21:

(Start: 6 @15700 has 90 MA's), (39, 15961), (53, 16069), (58, 16111), (65, 16147), (77, 16225), (98, 16369), (99, 16387), (115, 16483), (116, 16492), (135, 16630), (140, 16690), (143, 16711), (161, 16840), (164, 16852), (175, 16948),

Gene: Sporco_22 Start: 15680, Stop: 16981, Start Num: 6

Candidate Starts for Sporco_22:

(Start: 6 @15680 has 90 MA's), (35, 15917), (39, 15941), (45, 15968), (49, 16019), (53, 16049), (58, 16091), (61, 16112), (65, 16127), (68, 16145), (93, 16310), (98, 16349), (99, 16367), (105, 16400), (116, 16472), (140, 16670), (141, 16682), (143, 16691), (144, 16706), (161, 16820), (164, 16832), (167, 16853), (169, 16865), (175, 16928),

Gene: StuartMinion_17 Start: 12969, Stop: 14216, Start Num: 6

Candidate Starts for StuartMinion_17:

(Start: 6 @12969 has 90 MA's), (19, 13062), (23, 13083), (25, 13128), (30, 13152), (38, 13224), (40, 13239), (57, 13380), (58, 13383), (59, 13386), (60, 13401), (61, 13404), (62, 13410), (75, 13491), (83, 13533), (86, 13554), (94, 13611), (98, 13647), (103, 13689), (104, 13695), (106, 13704), (116, 13773), (117, 13779), (122, 13827), (128, 13854), (129, 13866), (130, 13872), (131, 13893), (146, 14043), (148, 14049), (153, 14079), (157, 14106), (160, 14133), (162, 14142), (168, 14175),

Gene: TaylorSipht_18 Start: 13348, Stop: 14598, Start Num: 6

Candidate Starts for TaylorSipht_18:

(Start: 6 @13348 has 90 MA's), (12, 13381), (16, 13414), (19, 13441), (28, 13519), (36, 13597), (51, 13696), (58, 13759), (59, 13762), (61, 13780), (73, 13849), (78, 13882), (82, 13903), (85, 13927), (86, 13930), (88, 13942), (89, 13948), (94, 13987), (98, 14023), (104, 14071), (106, 14080), (113, 14131), (114, 14137), (125, 14221), (129, 14245), (140, 14368), (146, 14422), (147, 14425), (150, 14440), (154, 14464), (160, 14512), (162, 14521), (164, 14527),

Gene: ThayneTheZag_21 Start: 15791, Stop: 17092, Start Num: 6

Candidate Starts for ThayneTheZag_21:

(Start: 6 @15791 has 90 MA's), (9, 15809), (25, 15950), (57, 16199), (58, 16202), (61, 16223), (65, 16238), (84, 16349), (88, 16379), (91, 16394), (95, 16430), (98, 16460), (99, 16478), (100, 16493), (104, 16508), (105, 16511), (107, 16520), (116, 16583), (131, 16685), (155, 16889), (161, 16931),

(164, 16943), (175, 17039),

Gene: Tiff81_22 Start: 15718, Stop: 17019, Start Num: 6

Candidate Starts for Tiff81_22:

(Start: 6 @15718 has 90 MA's), (12, 15751), (39, 15979), (53, 16087), (58, 16129), (65, 16165), (68, 16183), (83, 16273), (93, 16348), (98, 16387), (99, 16405), (105, 16438), (116, 16510), (140, 16708), (161, 16858), (164, 16870), (167, 16891), (169, 16903), (175, 16966),

Gene: Toad24_19 Start: 14538, Stop: 15788, Start Num: 6

Candidate Starts for Toad24_19:

(Start: 6 @14538 has 90 MA's), (16, 14604), (22, 14646), (28, 14709), (32, 14754), (36, 14787), (58, 14949), (59, 14952), (78, 15072), (82, 15093), (86, 15120), (88, 15132), (89, 15138), (94, 15177), (98, 15213), (104, 15261), (125, 15411), (129, 15435), (140, 15558), (141, 15570), (143, 15579), (146, 15612), (148, 15618), (151, 15633), (154, 15654), (156, 15669), (157, 15675), (158, 15681), (160, 15702), (162, 15711), (168, 15744),

Gene: Vopal_22 Start: 15695, Stop: 16996, Start Num: 6

Candidate Starts for Vopal_22:

(Start: 6 @15695 has 90 MA's), (35, 15932), (39, 15956), (45, 15983), (49, 16034), (53, 16064), (58, 16106), (61, 16127), (65, 16142), (68, 16160), (93, 16325), (98, 16364), (99, 16382), (105, 16415), (116, 16487), (140, 16685), (141, 16697), (143, 16706), (144, 16721), (161, 16835), (164, 16847), (167, 16868), (169, 16880), (175, 16943),

Gene: Vulpecula_18 Start: 14072, Stop: 15322, Start Num: 6

Candidate Starts for Vulpecula_18:

(Start: 6 @14072 has 90 MA's), (12, 14105), (16, 14138), (24, 14201), (25, 14231), (28, 14243), (36, 14321), (45, 14360), (51, 14420), (54, 14444), (55, 14459), (58, 14483), (59, 14486), (61, 14504), (75, 14591), (80, 14615), (82, 14627), (94, 14711), (98, 14747), (104, 14795), (118, 14882), (125, 14945), (128, 14957), (129, 14969), (134, 15023), (136, 15041), (144, 15128), (146, 15146), (153, 15182), (156, 15203), (157, 15209), (160, 15236), (162, 15245), (168, 15278),

Gene: Waltz_66 Start: 39954, Stop: 41123, Start Num: 6

Candidate Starts for Waltz_66:

(Start: 6 @39954 has 90 MA's), (8, 39963), (10, 39975), (20, 40050), (29, 40122), (31, 40149), (33, 40164), (35, 40182), (36, 40194), (44, 40230), (46, 40236), (47, 40242), (59, 40308), (71, 40377), (86, 40473), (88, 40485), (90, 40497), (92, 40518), (96, 40539), (98, 40566), (126, 40749), (140, 40890), (141, 40902), (144, 40926), (146, 40944), (151, 40965), (155, 40998), (157, 41007), (159, 41034), (161, 41043), (162, 41049), (166, 41067), (167, 41076),

Gene: Westrich_19 Start: 14526, Stop: 15797, Start Num: 6

Candidate Starts for Westrich_19:

(Start: 6 @14526 has 90 MA's), (16, 14592), (22, 14634), (28, 14697), (32, 14742), (36, 14775), (58, 14937), (59, 14940), (78, 15060), (82, 15081), (86, 15108), (88, 15120), (89, 15126), (94, 15165), (98, 15201), (104, 15249), (125, 15399), (129, 15423), (140, 15546), (141, 15558), (143, 15567), (146, 15600), (148, 15606), (151, 15621), (154, 15642), (156, 15657), (157, 15663), (158, 15669), (160, 15690), (162, 15699), (168, 15732),

Gene: Wheelbite_65 Start: 41577, Stop: 42746, Start Num: 6

Candidate Starts for Wheelbite_65:

(Start: 6 @41577 has 90 MA's), (8, 41586), (10, 41598), (14, 41625), (21, 41682), (23, 41688), (26, 41730), (33, 41787), (35, 41805), (36, 41817), (59, 41931), (67, 41979), (71, 42000), (72, 42015), (80, 42057), (86, 42096), (88, 42108), (92, 42141), (98, 42189), (102, 42228), (110, 42273), (125, 42366), (139, 42498), (140, 42513), (145, 42555), (146, 42567), (161, 42666), (167, 42699),

Gene: WileyE_17 Start: 13406, Stop: 14656, Start Num: 6

Candidate Starts for WileyE_17:

(Start: 6 @13406 has 90 MA's), (12, 13439), (16, 13472), (24, 13535), (25, 13565), (36, 13655), (45, 13694), (51, 13754), (54, 13778), (55, 13793), (58, 13817), (59, 13820), (61, 13838), (75, 13925), (80, 13949), (82, 13961), (86, 13988), (94, 14045), (98, 14081), (104, 14129), (118, 14216), (125, 14279), (129, 14303), (134, 14357), (136, 14375), (144, 14462), (153, 14516), (156, 14537), (157, 14543), (158, 14549), (160, 14570), (162, 14579), (168, 14612),

Gene: Windest_22 Start: 15679, Stop: 16980, Start Num: 6

Candidate Starts for Windest_22:

(Start: 6 @15679 has 90 MA's), (31, 15883), (35, 15916), (39, 15940), (48, 15988), (49, 16018), (53, 16048), (58, 16090), (65, 16126), (68, 16144), (93, 16309), (98, 16348), (99, 16366), (105, 16399), (116, 16471), (140, 16669), (141, 16681), (161, 16819), (164, 16831), (167, 16852), (169, 16864), (175, 16927),

Gene: YoungHarleezy_21 Start: 15636, Stop: 16937, Start Num: 6

Candidate Starts for YoungHarleezy_21:

(Start: 6 @15636 has 90 MA's), (35, 15873), (39, 15897), (45, 15924), (49, 15975), (53, 16005), (58, 16047), (61, 16068), (65, 16083), (68, 16101), (93, 16266), (98, 16305), (99, 16323), (105, 16356), (116, 16428), (140, 16626), (141, 16638), (143, 16647), (144, 16662), (161, 16776), (164, 16788), (167, 16809), (169, 16821), (175, 16884),

Gene: Zhuangyuan_20 Start: 13779, Stop: 15026, Start Num: 6

Candidate Starts for Zhuangyuan_20:

(Start: 6 @13779 has 90 MA's), (16, 13845), (19, 13872), (20, 13875), (25, 13938), (30, 13962), (43, 14064), (52, 14145), (59, 14196), (61, 14214), (62, 14220), (71, 14265), (75, 14301), (82, 14337), (88, 14373), (90, 14385), (93, 14415), (94, 14418), (98, 14454), (103, 14496), (116, 14580), (117, 14586), (122, 14637), (127, 14661), (130, 14682), (144, 14835), (146, 14853), (157, 14916), (160, 14943), (162, 14952),

Gene: Zixiang_18 Start: 14417, Stop: 15688, Start Num: 6

Candidate Starts for Zixiang_18:

(Start: 6 @14417 has 90 MA's), (12, 14450), (16, 14483), (22, 14525), (27, 14585), (30, 14600), (36, 14666), (58, 14828), (59, 14831), (82, 14972), (88, 15011), (89, 15017), (94, 15056), (98, 15092), (113, 15200), (125, 15290), (129, 15314), (136, 15386), (137, 15401), (140, 15437), (146, 15491), (148, 15497), (150, 15509), (157, 15554), (158, 15560), (160, 15581), (162, 15590),