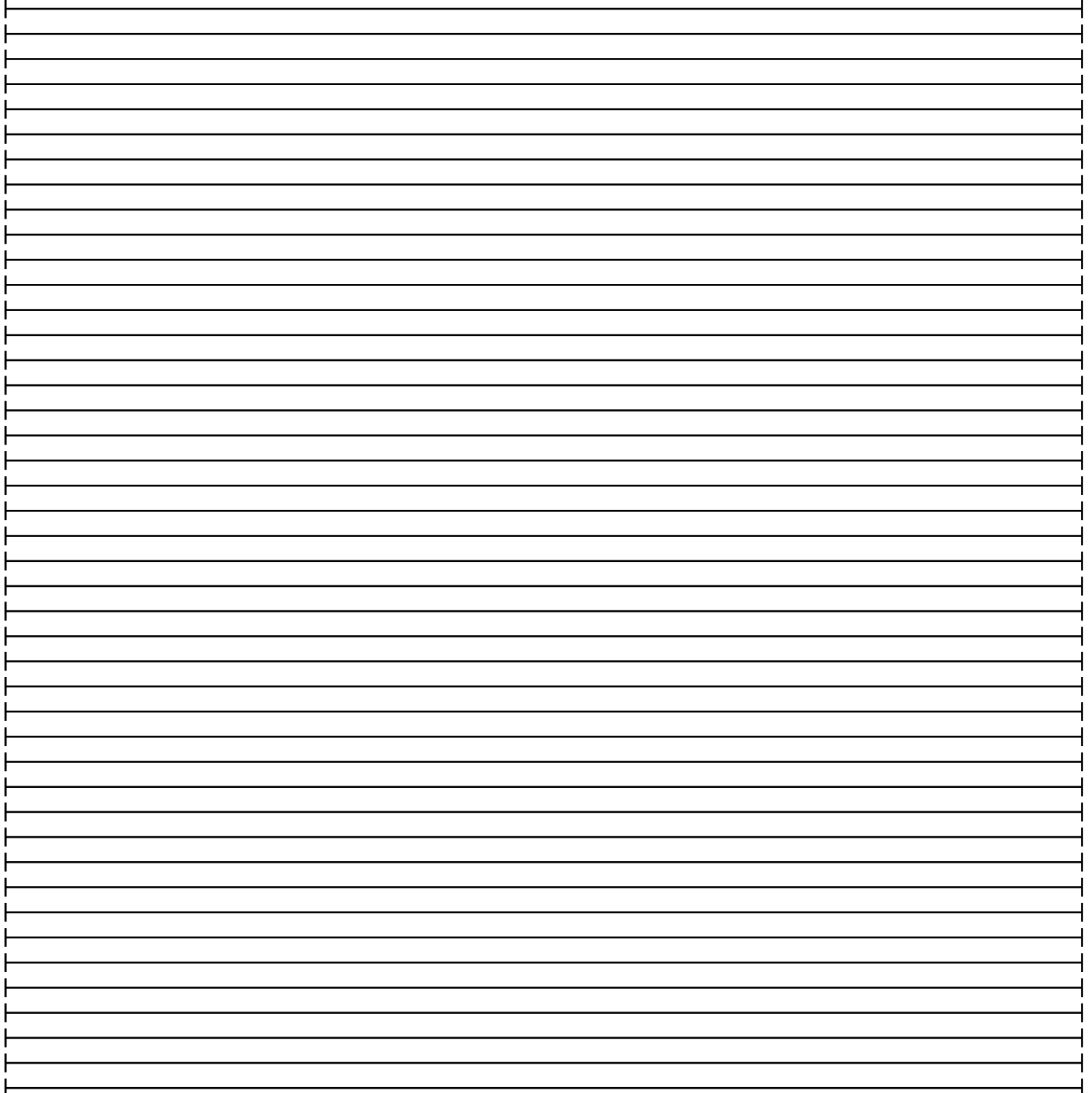
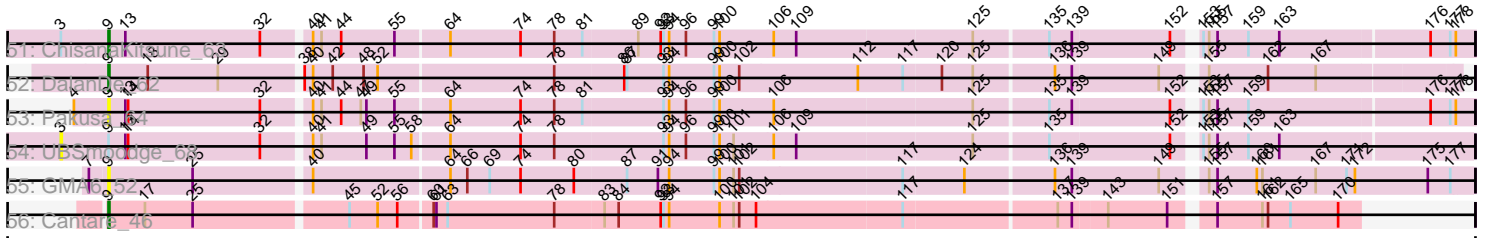


1. Cursive_64 + 7	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
2. Daubens_61	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
3. EGole_60 + 10	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
4. Mmrd_60 + 7	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
5. Paradi_60 + 12	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
6. Targa_60 + 7	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
7. Braeli_60 + 5	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
8. Evy_70	10	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139
9. Anedea_64	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
10. Mugw_60 + 73 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
11. Squin_60 + 73 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
12. Sams_62 + 6	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
13. Persim_62 + 12	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
14. Bmoe_64	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
15. Wap_60 + 2	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
16. Starbo_76	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
17. Boom_67 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
18. Ceilng_60 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
19. Luke_67	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
20. Elmer_65 + 1	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
21. Star_68	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
22. Enygn_78	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
23. Mugw_60 + 73	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
24. Tomas_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
25. Jada_65 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
26. Phred_65	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
27. Annad_63 + 1	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
28. Belton_67 + 4	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
29. Seresa_65 + 1	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
30. Pateig_66	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
31. Franco_64	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
32. Sham_62	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
33. Bluey_65 + 1	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
34. Moab_66	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
35. Tuna_64	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
36. Kenre_67	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
37. BillN_62	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
38. Circu_63	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
39. Muntan_64	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
40. Wease_62	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
41. Grayst_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
42. Peregr_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
43. NiceHo_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
44. Tina_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
45. Donn_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
46. France_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
47. Aick_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
48. Gay_60	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
49. Scaleg_65	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199
50. Flying_66	10	19	31	43	55	67	79	91	103	115	127	139	151	163	175	187	199

Pham 169840



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 169840 Report

This analysis was run 07/09/24 on database version 566.

Pham number 169840 has 118 members, 21 are drafts.

Phages represented in each track:

- Track 1 : Cursive_74, Watermoore_76, PacManQ_77, BlueOtter_78, Leo04_77, Cross_76, HangryHippo_78, Lululemon_77
- Track 2 : Daubenski_77
- Track 3 : EGole_77, Larnav_81, Teutsch_76, Peebs_75, Pepperwood_76, Sushi23_76, Tribute_74
- Track 4 : Mildred21_74
- Track 5 : Paradiddles_72
- Track 6 : Targaryen_77
- Track 7 : Braelyn_75
- Track 8 : Evy_77
- Track 9 : Anedea_74
- Track 10 : MulchMansion_73, LilMartin_73, Angela_73
- Track 11 : Squillium_75, NootNoot_72, Bartholomune_74, Liandry_75, PinkiePie_74
- Track 12 : Samisti12_76
- Track 13 : Persimmon_72, Navo_74, WhereRU_75
- Track 14 : Bmoc_74
- Track 15 : Warpy_80, Jay2Jay_81
- Track 16 : Starbow_76, Battuta_76, KentuckyRacer_82, Quaran19_78, Birchlyn_75, SaltySpitoon_78, Bordeaux_76, Spilled_79, TomSawyer_76, Spelly_78, Amabiko_78, Jollison_83, Gibbi_82, JimJam_78, PumpkinSpice_77, MindFlayer_76, Wipeout_76
- Track 17 : BoomerJR_78, Sollertia_78, Stanimal_78, Genie2_78, Yaboi_78
- Track 18 : CeilingFan_80, Karimac_77, IchabodCrane_75
- Track 19 : LukeCage_77
- Track 20 : Elmer_85, Wofford_77
- Track 21 : StarPlatinum_78
- Track 22 : Enygma_78
- Track 23 : Mugiwara_79
- Track 24 : Tomas_80
- Track 25 : Jada_55, Gilson_56, Emma1919_57, Forrest_57, MeganTheeKilla_54
- Track 26 : Phredrick_55
- Track 27 : Annadreamy_53, Limpid_53
- Track 28 : Belfort_57, Comrade_56, Karp_54, SparkleGoddess_56, Stigma_55
- Track 29 : SeresaTree_55, Faust_56
- Track 30 : Patelgo_56
- Track 31 : Francob_54
- Track 32 : Sham_52
- Track 33 : Blueeyedbeauty_55, Beuffert_53

- Track 34 : Moab_56
- Track 35 : TunaTartare_54
- Track 36 : Kenrey_57
- Track 37 : BillNye_52
- Track 38 : Circinus_53
- Track 39 : Muntaha_53, Wakanda_52
- Track 40 : Weasels2_97
- Track 41 : Grayson_98
- Track 42 : Peregrin_95
- Track 43 : NiceHouse_86
- Track 44 : Trina_97
- Track 45 : Dorin_70
- Track 46 : Francesca_71
- Track 47 : Aloki_64, Chidiebere_67, Kabocha_68, Oogie_66, Schomber_65, Hanem_66
- Track 48 : Gray_67
- Track 49 : ScarletRaider_65
- Track 50 : FlyingTortilla_66
- Track 51 : ChisanaKitsune_63
- Track 52 : DalanDe_62
- Track 53 : Pakusa_64
- Track 54 : UBSmoodge_68
- Track 55 : GMA6_52
- Track 56 : Cantare_46

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

The start number called the most often in the published annotations is 10, it was called in 56 of the 97 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anedeia_74, Angela_73, Annadreamy_53, Bartholomune_74, Belfort_57, Beuffert_53, BillNye_52, BlueOtter_78, Blueeyedbeauty_55, Bmoc_74, Braelyn_75, Circinus_53, Comrade_56, Cross_76, Cursive_74, Daubenski_77, EGole_77, Emma1919_57, Evy_77, Faust_56, Forrest_57, Francob_54, Gilson_56, HangryHippo_78, Jada_55, Karp_54, Kenrey_57, Larnav_81, Leo04_77, Liandry_75, LilMartin_73, Limpid_53, Lululemon_77, MeganTheeKilla_54, Mildred21_74, Moab_56, MulchMansion_73, Muntaha_53, Navo_74, NootNoot_72, PacManQ_77, Paradiddles_72, Patelgo_56, Peebs_75, Pepperwood_76, Persimmon_72, Phredrick_55, PinkiePie_74, Samisti12_76, SeresaTree_55, Sham_52, SparkleGoddess_56, Squillium_75, Stigma_55, Sushi23_76, Targaryen_77, Teutsch_76, Tomas_80, Tribute_74, TunaTartare_54, Wakanda_52, Watermoore_76, WhereRU_75,

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

- Jay2Jay_81, Warpy_80,

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

- Aloki_64, Amabiko_78, Battuta_76, Birchlyn_75, BoomerJR_78, Bordeaux_76, Cantare_46, CeilingFan_80, Chidiebere_67, ChisanaKitsune_63, DalanDe_62,

Dorin_70, Elmer_85, Enygma_78, FlyingTortilla_66, Francesca_71, GMA6_52, Genie2_78, Gibbi_82, Gray_67, Grayson_98, Hanem_66, IchabodCrane_75, JimJam_78, Jollison_83, Kabocha_68, Karimac_77, KentuckyRacer_82, LukeCage_77, MindFlayer_76, Mugiwara_79, NiceHouse_86, Oogie_66, Pakusa_64, Peregrin_95, PumpkinSpice_77, Quarant19_78, SaltySpittoon_78, ScarletRaider_65, Schomber_65, Sollertia_78, Spelly_78, Spilled_79, Stanimal_78, StarPlatinum_78, Starbow_76, TomSawyer_76, Trina_97, UBSmoodge_68, Weasels2_97, Wipeout_76, Wofford_77, Yaboi_78,

Summary by start number:

Start 3:

- Found in 3 of 118 (2.5%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: UBSmoodge_68 (DQ),

Start 4:

- Found in 8 of 118 (6.8%) of genes in pham
- Manual Annotations of this start: 1 of 97
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Gray_67 (DQ),

Start 9:

- Found in 46 of 118 (39.0%) of genes in pham
- Manual Annotations of this start: 32 of 97
- Called 95.7% of time when present
- Phage (with cluster) where this start called: Alok1_64 (DQ), Amabiko_78 (BE2), Battuta_76 (BE2), Birchlyn_75 (BE2), BoomerJR_78 (BE2), Bordeaux_76 (BE2), Cantare_46 (singleton), CeilingFan_80 (BE2), Chidiebere_67 (DQ), ChisanaKitsune_63 (DQ), DalanDe_62 (DQ), Elmer_85 (BE2), Enygma_78 (BE2), FlyingTortilla_66 (DQ), GMA6_52 (DQ), Genie2_78 (BE2), Gibbi_82 (BE2), Hanem_66 (DQ), IchabodCrane_75 (BE2), JimJam_78 (BE2), Jollison_83 (BE2), Kabocha_68 (DQ), Karimac_77 (BE2), KentuckyRacer_82 (BE2), LukeCage_77 (BE2), MindFlayer_76 (BE2), Mugiwara_79 (BE2), Oogie_66 (DQ), Pakusa_64 (DQ), PumpkinSpice_77 (BE2), Quarant19_78 (BE2), SaltySpittoon_78 (BE2), ScarletRaider_65 (DQ), Schomber_65 (DQ), Sollertia_78 (BE2), Spelly_78 (BE2), Spilled_79 (BE2), Stanimal_78 (BE2), StarPlatinum_78 (BE2), Starbow_76 (BE2), TomSawyer_76 (BE2), Wipeout_76 (BE2), Wofford_77 (BE2), Yaboi_78 (BE2),

Start 10:

- Found in 65 of 118 (55.1%) of genes in pham
- Manual Annotations of this start: 56 of 97
- Called 96.9% of time when present
- Phage (with cluster) where this start called: Anedea_74 (BE1), Angela_73 (BE1), Annadreamy_53 (BK1), Bartholomune_74 (BE1), Belfort_57 (BK1), Beuffert_53 (BK1), BillNye_52 (BK2), BlueOtter_78 (BE1), Blueeyedbeauty_55 (BK1), Bmoc_74 (BE1), Braelyn_75 (BE1), Circinus_53 (BK2), Comrade_56 (BK1), Cross_76 (BE1), Cursive_74 (BE1), Daubenski_77 (BE1), EGole_77 (BE1), Emma1919_57 (BK1), Evy_77 (BE1), Faust_56 (BK1), Forrest_57 (BK1), Francob_54 (BK1), Gilson_56 (BK1), HangryHippo_78 (BE1), Jada_55 (BK1), Karp_54 (BK1), Kenrey_57 (BK1), Larnav_81 (BE1), Leo04_77 (BE1), Liandry_75 (BE1), LilMartin_73 (BE1), Limpid_53 (BK1), Lululemon_77 (BE1), MeganTheeKilla_54 (BK1), Mildred21_74 (BE1),

Moab_56 (BK1), MulchMansion_73 (BE1), Muntaha_53 (BK2), Navo_74 (BE1), NootNoot_72 (BE1), PacManQ_77 (BE1), Paradiddles_72 (BE1), Patelgo_56 (BK1), Peebs_75 (BE1), Pepperwood_76 (BE1), Persimmon_72 (BE1), Phredrick_55 (BK1), PinkiePie_74 (BE1), Samisti12_76 (BE1), SeresaTree_55 (BK1), Sham_52 (BK1), SparkleGoddess_56 (BK1), Squillium_75 (BE1), Stigma_55 (BK1), Sushi23_76 (BE1), Targaryen_77 (BE1), Teutsch_76 (BE1), Tomas_80 (BE2), Tribute_74 (BE1), TunaTartare_54 (BK1), Wakanda_52 (BK2), Watermoore_76 (BE1), WhereRU_75 (BE1),

Start 11:

- Found in 3 of 118 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 97
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_98 (CB), Peregrin_95 (CB), Weasels2_97 (CB),

Start 12:

- Found in 4 of 118 (3.4%) of genes in pham
- Manual Annotations of this start: 3 of 97
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_70 (CG), Francesca_71 (CG), NiceHouse_86 (CE), Trina_97 (CE),

Start 31:

- Found in 69 of 118 (58.5%) of genes in pham
- Manual Annotations of this start: 2 of 97
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Jay2Jay_81 (BE1), Warpy_80 (BE1),

Summary by clusters:

There are 9 clusters represented in this pham: singleton, CB, CG, CE, BK1, BK2, BE2, BE1, DQ,

Info for manual annotations of cluster BE1:

- Start number 10 was manually annotated 29 times for cluster BE1.
- Start number 31 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 9 was manually annotated 25 times for cluster BE2.
- Start number 10 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 22 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 10 was manually annotated 4 times for cluster BK2.

Info for manual annotations of cluster CB:

- Start number 11 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 12 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster CG:

- Start number 12 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster DQ:

- Start number 4 was manually annotated 1 time for cluster DQ.
- Start number 9 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_64 Start: 54124, Stop: 52727, Start Num: 9

Candidate Starts for Aloki_64:

(Start: 4 @54160 has 1 MA's), (Start: 9 @54124 has 32 MA's), (13, 54106), (14, 54103), (32, 53962), (40, 53917), (41, 53908), (44, 53887), (47, 53866), (55, 53830), (64, 53776), (74, 53701), (78, 53665), (81, 53635), (93, 53551), (94, 53545), (96, 53527), (99, 53497), (100, 53491), (106, 53434), (125, 53227), (135, 53152), (139, 53128), (152, 53026), (153, 53008), (155, 53002), (157, 52993), (159, 52960), (176, 52774), (177, 52753), (178, 52747),

Gene: Amabiko_78 Start: 54931, Stop: 56151, Start Num: 9

Candidate Starts for Amabiko_78:

(2, 54868), (Start: 9 @54931 has 32 MA's), (22, 54994), (28, 55036), (30, 55048), (Start: 31 @55063 has 2 MA's), (38, 55126), (49, 55192), (52, 55204), (54, 55216), (62, 55264), (83, 55438), (86, 55459), (97, 55543), (100, 55561), (101, 55576), (103, 55597), (105, 55600), (119, 55750), (121, 55786), (128, 55852), (129, 55855), (134, 55885), (144, 55963), (148, 56011), (166, 56146),

Gene: Anedea_74 Start: 54533, Stop: 55753, Start Num: 10

Candidate Starts for Anedea_74:

(Start: 10 @54533 has 56 MA's), (19, 54584), (27, 54626), (Start: 31 @54665 has 2 MA's), (33, 54695), (35, 54719), (49, 54794), (52, 54806), (83, 55040), (86, 55061), (97, 55145), (100, 55163), (101, 55178), (105, 55202), (128, 55454), (130, 55460), (144, 55562), (148, 55610), (154, 55649),

Gene: Angela_73 Start: 53992, Stop: 55212, Start Num: 10

Candidate Starts for Angela_73:

(Start: 10 @53992 has 56 MA's), (19, 54043), (Start: 31 @54124 has 2 MA's), (33, 54154), (38, 54187), (49, 54253), (52, 54265), (83, 54499), (86, 54520), (97, 54604), (100, 54622), (101, 54637), (105, 54661), (128, 54913), (144, 55021), (148, 55069), (154, 55108),

Gene: Annadreamy_53 Start: 43929, Stop: 45146, Start Num: 10

Candidate Starts for Annadreamy_53:

(Start: 10 @43929 has 56 MA's), (33, 44088), (52, 44199), (56, 44220), (65, 44280), (75, 44355), (83, 44436), (86, 44457), (97, 44541), (100, 44559), (101, 44574), (103, 44595), (105, 44598), (113, 44703), (128, 44850), (130, 44856), (132, 44874), (134, 44883), (144, 44958), (145, 44961), (148, 45006), (158, 45081), (164, 45123),

Gene: Bartholomune_74 Start: 54352, Stop: 55572, Start Num: 10

Candidate Starts for Bartholomune_74:

(5, 54316), (6, 54325), (Start: 10 @54352 has 56 MA's), (19, 54403), (Start: 31 @54484 has 2 MA's), (33, 54514), (34, 54517), (39, 54553), (49, 54613), (52, 54625), (83, 54859), (86, 54880), (97, 54964), (100, 54982), (101, 54997), (105, 55021), (128, 55273), (130, 55279), (144, 55381), (148, 55429), (154, 55468),

Gene: Battuta_76 Start: 54905, Stop: 56125, Start Num: 9

Candidate Starts for Battuta_76:

(2, 54842), (Start: 9 @54905 has 32 MA's), (22, 54968), (28, 55010), (30, 55022), (Start: 31 @55037 has 2 MA's), (38, 55100), (49, 55166), (52, 55178), (54, 55190), (62, 55238), (83, 55412), (86, 55433), (97, 55517), (100, 55535), (101, 55550), (103, 55571), (105, 55574), (119, 55724), (121, 55760), (128, 55826), (129, 55829), (134, 55859), (144, 55937), (148, 55985), (166, 56120),

Gene: Belfort_57 Start: 46466, Stop: 47683, Start Num: 10

Candidate Starts for Belfort_57:

(Start: 10 @46466 has 56 MA's), (46, 46712), (65, 46817), (68, 46838), (82, 46958), (83, 46973), (86, 46994), (97, 47078), (100, 47096), (101, 47111), (103, 47132), (105, 47135), (113, 47240), (116, 47270), (128, 47387), (132, 47411), (144, 47495), (145, 47498), (148, 47543), (154, 47582), (158, 47618), (164, 47660),

Gene: Beuffert_53 Start: 45067, Stop: 46284, Start Num: 10

Candidate Starts for Beuffert_53:

(Start: 10 @45067 has 56 MA's), (52, 45337), (56, 45358), (65, 45418), (75, 45493), (82, 45559), (83, 45574), (86, 45595), (97, 45679), (100, 45697), (101, 45712), (103, 45733), (105, 45736), (113, 45841), (128, 45988), (130, 45994), (132, 46012), (134, 46021), (144, 46096), (145, 46099), (148, 46144), (158, 46219), (164, 46261),

Gene: BillNye_52 Start: 47916, Stop: 49136, Start Num: 10

Candidate Starts for BillNye_52:

(Start: 10 @47916 has 56 MA's), (24, 47991), (28, 48021), (49, 48177), (52, 48189), (61, 48249), (83, 48426), (84, 48441), (97, 48531), (100, 48549), (101, 48564), (103, 48585), (105, 48588), (113, 48693), (124, 48795), (128, 48840), (132, 48864), (134, 48873), (140, 48924), (144, 48948), (145, 48951), (148, 48996), (156, 49044), (158, 49071),

Gene: Birchlyn_75 Start: 52788, Stop: 54008, Start Num: 9

Candidate Starts for Birchlyn_75:

(2, 52725), (Start: 9 @52788 has 32 MA's), (22, 52851), (28, 52893), (30, 52905), (Start: 31 @52920 has 2 MA's), (38, 52983), (49, 53049), (52, 53061), (54, 53073), (62, 53121), (83, 53295), (86, 53316), (97, 53400), (100, 53418), (101, 53433), (103, 53454), (105, 53457), (119, 53607), (121, 53643), (128, 53709), (129, 53712), (134, 53742), (144, 53820), (148, 53868), (166, 54003),

Gene: BlueOtter_78 Start: 55726, Stop: 56946, Start Num: 10

Candidate Starts for BlueOtter_78:

(Start: 10 @55726 has 56 MA's), (19, 55777), (Start: 31 @55858 has 2 MA's), (33, 55888), (34, 55891), (52, 55999), (73, 56137), (83, 56233), (86, 56254), (97, 56338), (100, 56356), (101, 56371), (105, 56395), (111, 56479), (128, 56647), (144, 56755), (148, 56803), (154, 56842),

Gene: Blueeyedbeauty_55 Start: 44441, Stop: 45658, Start Num: 10

Candidate Starts for Blueeyedbeauty_55:

(Start: 10 @44441 has 56 MA's), (52, 44711), (56, 44732), (65, 44792), (75, 44867), (82, 44933), (83, 44948), (86, 44969), (97, 45053), (100, 45071), (101, 45086), (103, 45107), (105, 45110), (113, 45215), (128, 45362), (130, 45368), (132, 45386), (134, 45395), (144, 45470), (145, 45473), (148, 45518), (158, 45593), (164, 45635),

Gene: Bmoc_74 Start: 54370, Stop: 55590, Start Num: 10

Candidate Starts for Bmoc_74:

(Start: 10 @54370 has 56 MA's), (19, 54421), (27, 54463), (Start: 31 @54502 has 2 MA's), (33, 54532), (49, 54631), (52, 54643), (83, 54877), (86, 54898), (97, 54982), (100, 55000), (101, 55015), (105, 55039), (116, 55174), (128, 55291), (144, 55399), (148, 55447), (154, 55486),

Gene: BoomerJR_78 Start: 54771, Stop: 55991, Start Num: 9

Candidate Starts for BoomerJR_78:

(Start: 9 @54771 has 32 MA's), (22, 54834), (30, 54888), (Start: 31 @54903 has 2 MA's), (37, 54963), (49, 55032), (52, 55044), (54, 55056), (62, 55104), (83, 55278), (86, 55299), (97, 55383), (100, 55401), (101, 55416), (103, 55437), (105, 55440), (114, 55551), (128, 55692), (129, 55695), (134, 55725), (136, 55743), (144, 55803), (148, 55851), (166, 55986),

Gene: Bordeaux_76 Start: 55060, Stop: 56280, Start Num: 9

Candidate Starts for Bordeaux_76:

(2, 54997), (Start: 9 @55060 has 32 MA's), (22, 55123), (28, 55165), (30, 55177), (Start: 31 @55192 has 2 MA's), (38, 55255), (49, 55321), (52, 55333), (54, 55345), (62, 55393), (83, 55567), (86, 55588), (97, 55672), (100, 55690), (101, 55705), (103, 55726), (105, 55729), (119, 55879), (121, 55915), (128, 55981), (129, 55984), (134, 56014), (144, 56092), (148, 56140), (166, 56275),

Gene: Braelyn_75 Start: 55119, Stop: 56339, Start Num: 10

Candidate Starts for Braelyn_75:

(5, 55083), (6, 55092), (Start: 10 @55119 has 56 MA's), (19, 55170), (Start: 31 @55251 has 2 MA's), (33, 55281), (34, 55284), (39, 55320), (49, 55380), (52, 55392), (83, 55626), (86, 55647), (97, 55731), (100, 55749), (101, 55764), (105, 55788), (127, 56028), (128, 56040), (130, 56046), (144, 56148), (148, 56196), (154, 56235),

Gene: Cantare_46 Start: 42802, Stop: 41522, Start Num: 9

Candidate Starts for Cantare_46:

(Start: 9 @42802 has 32 MA's), (17, 42763), (25, 42712), (45, 42556), (52, 42526), (56, 42505), (60, 42472), (61, 42469), (63, 42457), (78, 42343), (83, 42292), (84, 42277), (92, 42232), (93, 42229), (94, 42223), (100, 42169), (101, 42154), (102, 42148), (104, 42130), (117, 41977), (137, 41821), (139, 41806), (143, 41773), (151, 41710), (157, 41674), (161, 41626), (162, 41620), (165, 41596), (170, 41545),

Gene: CeilingFan_80 Start: 54820, Stop: 56040, Start Num: 9

Candidate Starts for CeilingFan_80:

(Start: 9 @54820 has 32 MA's), (22, 54883), (30, 54937), (Start: 31 @54952 has 2 MA's), (38, 55015), (49, 55081), (52, 55093), (54, 55105), (62, 55153), (83, 55327), (86, 55348), (97, 55432), (100, 55450), (101, 55465), (103, 55486), (105, 55489), (119, 55639), (121, 55675), (128, 55741), (129, 55744), (134, 55774), (144, 55852), (148, 55900), (166, 56035),

Gene: Chidiebere_67 Start: 54655, Stop: 53258, Start Num: 9

Candidate Starts for Chidiebere_67:

(Start: 4 @54691 has 1 MA's), (Start: 9 @54655 has 32 MA's), (13, 54637), (14, 54634), (32, 54493), (40, 54448), (41, 54439), (44, 54418), (47, 54397), (55, 54361), (64, 54307), (74, 54232), (78, 54196), (81, 54166), (93, 54082), (94, 54076), (96, 54058), (99, 54028), (100, 54022), (106, 53965), (125, 53758), (135, 53683), (139, 53659), (152, 53557), (153, 53539), (155, 53533), (157, 53524), (159, 53491), (176, 53305), (177, 53284), (178, 53278),

Gene: ChisanaKitsune_63 Start: 53428, Stop: 52031, Start Num: 9

Candidate Starts for ChisanaKitsune_63:

(3, 53476), (Start: 9 @53428 has 32 MA's), (13, 53410), (32, 53266), (40, 53221), (41, 53212), (44, 53191), (55, 53134), (64, 53080), (74, 53005), (78, 52969), (81, 52939), (89, 52882), (92, 52858), (93, 52855), (94, 52849), (96, 52831), (99, 52801), (100, 52795), (106, 52738), (109, 52714), (125, 52531), (135, 52456), (139, 52432), (152, 52330), (153, 52312), (155, 52306), (157, 52297), (159, 52264), (163, 52231), (176, 52078), (177, 52057), (178, 52051),

Gene: Circinus_53 Start: 48055, Stop: 49275, Start Num: 10

Candidate Starts for Circinus_53:

(Start: 10 @48055 has 56 MA's), (24, 48130), (28, 48160), (33, 48217), (49, 48316), (52, 48328), (61, 48388), (83, 48565), (84, 48580), (97, 48670), (100, 48688), (101, 48703), (103, 48724), (105, 48727), (113, 48832), (124, 48934), (128, 48979), (132, 49003), (134, 49012), (140, 49063), (144, 49087), (145, 49090), (148, 49135), (156, 49183), (158, 49210),

Gene: Comrade_56 Start: 46082, Stop: 47299, Start Num: 10

Candidate Starts for Comrade_56:

(Start: 10 @46082 has 56 MA's), (46, 46328), (65, 46433), (68, 46454), (82, 46574), (83, 46589), (86, 46610), (97, 46694), (100, 46712), (101, 46727), (103, 46748), (105, 46751), (113, 46856), (116, 46886), (128, 47003), (132, 47027), (144, 47111), (145, 47114), (148, 47159), (154, 47198), (158, 47234), (164, 47276),

Gene: Cross_76 Start: 55727, Stop: 56947, Start Num: 10

Candidate Starts for Cross_76:

(Start: 10 @55727 has 56 MA's), (19, 55778), (Start: 31 @55859 has 2 MA's), (33, 55889), (34, 55892), (52, 56000), (73, 56138), (83, 56234), (86, 56255), (97, 56339), (100, 56357), (101, 56372), (105, 56396), (111, 56480), (128, 56648), (144, 56756), (148, 56804), (154, 56843),

Gene: Cursive_74 Start: 55252, Stop: 56472, Start Num: 10

Candidate Starts for Cursive_74:

(Start: 10 @55252 has 56 MA's), (19, 55303), (Start: 31 @55384 has 2 MA's), (33, 55414), (34, 55417), (52, 55525), (73, 55663), (83, 55759), (86, 55780), (97, 55864), (100, 55882), (101, 55897), (105, 55921), (111, 56005), (128, 56173), (144, 56281), (148, 56329), (154, 56368),

Gene: DalanDe_62 Start: 57305, Stop: 55923, Start Num: 9

Candidate Starts for DalanDe_62:

(Start: 9 @57305 has 32 MA's), (18, 57263), (29, 57188), (38, 57107), (40, 57098), (42, 57077), (48, 57044), (52, 57029), (78, 56846), (86, 56774), (87, 56771), (93, 56732), (94, 56726), (99, 56678), (100, 56672), (102, 56651), (112, 56525), (117, 56477), (120, 56438), (125, 56405), (136, 56324), (139, 56306), (149, 56216), (155, 56180), (162, 56117), (167, 56066),

Gene: Daubenski_77 Start: 55462, Stop: 56682, Start Num: 10

Candidate Starts for Daubenski_77:

(Start: 10 @55462 has 56 MA's), (Start: 31 @55594 has 2 MA's), (33, 55624), (34, 55627), (52, 55735), (61, 55792), (68, 55834), (83, 55969), (86, 55990), (97, 56074), (100, 56092), (101, 56107), (105, 56131), (107, 56143), (128, 56383), (130, 56389), (136, 56434), (144, 56491), (148, 56539), (154, 56578),

Gene: Dorin_70 Start: 56475, Stop: 57782, Start Num: 12

Candidate Starts for Dorin_70:

(Start: 12 @56475 has 3 MA's), (16, 56496), (20, 56526), (24, 56547), (26, 56559), (33, 56634), (43, 56706), (49, 56736), (62, 56814), (63, 56823), (71, 56877), (76, 56925), (100, 57114), (108, 57168), (109, 57177), (111, 57231), (118, 57294), (123, 57348), (126, 57372), (134, 57432), (139, 57468), (141, 57498), (145, 57510), (148, 57555), (150, 57561), (158, 57645), (161, 57666), (167, 57723), (171, 57756), (173, 57768), (174, 57777),

Gene: EGole_77 Start: 56673, Stop: 57893, Start Num: 10

Candidate Starts for EGole_77:

(Start: 10 @56673 has 56 MA's), (19, 56724), (Start: 31 @56805 has 2 MA's), (33, 56835), (34, 56838), (52, 56946), (73, 57084), (83, 57180), (86, 57201), (97, 57285), (100, 57303), (101, 57318), (105, 57342), (111, 57426), (128, 57594), (130, 57600), (144, 57702), (148, 57750), (154, 57789),

Gene: Elmer_85 Start: 56012, Stop: 57232, Start Num: 9

Candidate Starts for Elmer_85:

(Start: 9 @56012 has 32 MA's), (22, 56075), (28, 56117), (30, 56129), (Start: 31 @56144 has 2 MA's), (38, 56207), (49, 56273), (52, 56285), (54, 56297), (62, 56345), (83, 56519), (97, 56624), (100, 56642), (101, 56657), (103, 56678), (105, 56681), (121, 56867), (128, 56933), (129, 56936), (134, 56966), (144, 57044), (145, 57047), (148, 57092),

Gene: Emma1919_57 Start: 44867, Stop: 46084, Start Num: 10

Candidate Starts for Emma1919_57:

(Start: 10 @44867 has 56 MA's), (32, 45020), (46, 45113), (52, 45137), (65, 45218), (83, 45374), (86, 45395), (97, 45479), (100, 45497), (101, 45512), (103, 45533), (105, 45536), (113, 45641), (120, 45719), (128, 45788), (132, 45812), (144, 45896), (145, 45899), (148, 45944), (158, 46019),

Gene: Enygma_78 Start: 56714, Stop: 57934, Start Num: 9

Candidate Starts for Enygma_78:

(1, 56636), (Start: 9 @56714 has 32 MA's), (22, 56777), (28, 56819), (30, 56831), (Start: 31 @56846 has 2 MA's), (49, 56975), (52, 56987), (54, 56999), (62, 57047), (63, 57056), (83, 57221), (97, 57326), (100, 57344), (101, 57359), (103, 57380), (105, 57383), (121, 57569), (128, 57635), (129, 57638), (131, 57653), (134, 57668), (136, 57686), (144, 57746), (148, 57794), (166, 57929),

Gene: Evy_77 Start: 55620, Stop: 56840, Start Num: 10

Candidate Starts for Evy_77:

(8, 55605), (Start: 10 @55620 has 56 MA's), (Start: 31 @55752 has 2 MA's), (33, 55782), (49, 55881), (52, 55893), (70, 56010), (83, 56127), (86, 56148), (97, 56232), (100, 56250), (101, 56265), (105, 56289), (128, 56541), (130, 56547), (144, 56649), (148, 56697), (154, 56736),

Gene: Faust_56 Start: 46003, Stop: 47220, Start Num: 10

Candidate Starts for Faust_56:

(Start: 10 @46003 has 56 MA's), (53, 46276), (57, 46306), (65, 46354), (83, 46510), (86, 46531), (97, 46615), (100, 46633), (101, 46648), (103, 46669), (105, 46672), (110, 46717), (113, 46777), (120, 46855), (128, 46924), (132, 46948), (144, 47032), (145, 47035), (148, 47080), (158, 47155), (164, 47197),

Gene: FlyingTortilla_66 Start: 57749, Stop: 56355, Start Num: 9

Candidate Starts for FlyingTortilla_66:

(Start: 9 @57749 has 32 MA's), (13, 57731), (14, 57728), (32, 57587), (40, 57542), (41, 57533), (49, 57485), (55, 57455), (58, 57437), (64, 57401), (74, 57326), (78, 57290), (93, 57176), (94, 57170), (96, 57152), (99, 57122), (100, 57116), (101, 57101), (106, 57059), (109, 57035), (125, 56852), (135, 56777), (152, 56651), (153, 56633), (155, 56627), (157, 56618), (159, 56585), (163, 56552),

Gene: Forrest_57 Start: 45564, Stop: 46781, Start Num: 10

Candidate Starts for Forrest_57:

(Start: 10 @45564 has 56 MA's), (32, 45717), (46, 45810), (52, 45834), (65, 45915), (83, 46071), (86, 46092), (97, 46176), (100, 46194), (101, 46209), (103, 46230), (105, 46233), (113, 46338), (120, 46416), (128, 46485), (132, 46509), (144, 46593), (145, 46596), (148, 46641), (158, 46716),

Gene: Francesca_71 Start: 56658, Stop: 57965, Start Num: 12

Candidate Starts for Francesca_71:

(Start: 12 @56658 has 3 MA's), (16, 56679), (20, 56709), (24, 56730), (26, 56742), (33, 56817), (43, 56889), (62, 56997), (63, 57006), (71, 57060), (76, 57108), (100, 57297), (108, 57351), (109, 57360), (111, 57414), (118, 57477), (123, 57531), (126, 57555), (134, 57615), (139, 57651), (141, 57681), (148, 57738), (150, 57744), (158, 57828), (161, 57849), (167, 57906), (171, 57939), (173, 57951),

(174, 57960),

Gene: Francob_54 Start: 44928, Stop: 46145, Start Num: 10

Candidate Starts for Francob_54:

(Start: 10 @44928 has 56 MA's), (32, 45081), (46, 45174), (52, 45198), (83, 45435), (86, 45456), (97, 45540), (100, 45558), (101, 45573), (103, 45594), (105, 45597), (113, 45702), (120, 45780), (128, 45849), (132, 45873), (144, 45957), (145, 45960), (148, 46005), (154, 46044), (158, 46080),

Gene: GMA6_52 Start: 46011, Stop: 44611, Start Num: 9

Candidate Starts for GMA6_52:

(7, 46029), (Start: 9 @46011 has 32 MA's), (25, 45921), (40, 45804), (64, 45663), (66, 45645), (69, 45621), (74, 45588), (80, 45531), (87, 45477), (91, 45444), (94, 45432), (99, 45384), (100, 45378), (101, 45363), (102, 45357), (117, 45186), (124, 45123), (136, 45033), (139, 45015), (149, 44925), (155, 44889), (157, 44880), (160, 44838), (161, 44832), (167, 44775), (171, 44742), (172, 44733), (175, 44655), (177, 44631),

Gene: Genie2_78 Start: 54885, Stop: 56105, Start Num: 9

Candidate Starts for Genie2_78:

(Start: 9 @54885 has 32 MA's), (22, 54948), (30, 55002), (Start: 31 @55017 has 2 MA's), (37, 55077), (49, 55146), (52, 55158), (54, 55170), (62, 55218), (83, 55392), (86, 55413), (97, 55497), (100, 55515), (101, 55530), (103, 55551), (105, 55554), (114, 55665), (128, 55806), (129, 55809), (134, 55839), (136, 55857), (144, 55917), (148, 55965), (166, 56100),

Gene: Gibbi_82 Start: 55043, Stop: 56263, Start Num: 9

Candidate Starts for Gibbi_82:

(2, 54980), (Start: 9 @55043 has 32 MA's), (22, 55106), (28, 55148), (30, 55160), (Start: 31 @55175 has 2 MA's), (38, 55238), (49, 55304), (52, 55316), (54, 55328), (62, 55376), (83, 55550), (86, 55571), (97, 55655), (100, 55673), (101, 55688), (103, 55709), (105, 55712), (119, 55862), (121, 55898), (128, 55964), (129, 55967), (134, 55997), (144, 56075), (148, 56123), (166, 56258),

Gene: Gilson_56 Start: 44820, Stop: 46037, Start Num: 10

Candidate Starts for Gilson_56:

(Start: 10 @44820 has 56 MA's), (32, 44973), (46, 45066), (52, 45090), (65, 45171), (83, 45327), (86, 45348), (97, 45432), (100, 45450), (101, 45465), (103, 45486), (105, 45489), (113, 45594), (120, 45672), (128, 45741), (132, 45765), (144, 45849), (145, 45852), (148, 45897), (158, 45972),

Gene: Gray_67 Start: 54691, Stop: 53258, Start Num: 4

Candidate Starts for Gray_67:

(Start: 4 @54691 has 1 MA's), (Start: 9 @54655 has 32 MA's), (13, 54637), (14, 54634), (32, 54493), (40, 54448), (41, 54439), (44, 54418), (47, 54397), (55, 54361), (64, 54307), (74, 54232), (78, 54196), (81, 54166), (93, 54082), (94, 54076), (96, 54058), (99, 54028), (100, 54022), (106, 53965), (125, 53758), (135, 53683), (139, 53659), (152, 53557), (153, 53539), (155, 53533), (157, 53524), (159, 53491), (176, 53305), (177, 53284), (178, 53278),

Gene: Grayson_98 Start: 58692, Stop: 59978, Start Num: 11

Candidate Starts for Grayson_98:

(Start: 11 @58692 has 3 MA's), (19, 58740), (21, 58749), (22, 58752), (67, 59073), (81, 59190), (83, 59214), (88, 59241), (95, 59286), (97, 59319), (100, 59337), (108, 59391), (111, 59454), (112, 59463), (118, 59517), (122, 59559), (124, 59577), (139, 59691), (156, 59841), (160, 59883), (161, 59889), (170, 59955),

Gene: Hanem_66 Start: 54124, Stop: 52727, Start Num: 9

Candidate Starts for Hanem_66:

(Start: 4 @54160 has 1 MA's), (Start: 9 @54124 has 32 MA's), (13, 54106), (14, 54103), (32, 53962), (40, 53917), (41, 53908), (44, 53887), (47, 53866), (55, 53830), (64, 53776), (74, 53701), (78, 53665), (81, 53635), (93, 53551), (94, 53545), (96, 53527), (99, 53497), (100, 53491), (106, 53434), (125, 53227), (135, 53152), (139, 53128), (152, 53026), (153, 53008), (155, 53002), (157, 52993), (159, 52960), (176, 52774), (177, 52753), (178, 52747),

Gene: HangryHippo_78 Start: 55726, Stop: 56946, Start Num: 10

Candidate Starts for HangryHippo_78:

(Start: 10 @55726 has 56 MA's), (19, 55777), (Start: 31 @55858 has 2 MA's), (33, 55888), (34, 55891), (52, 55999), (73, 56137), (83, 56233), (86, 56254), (97, 56338), (100, 56356), (101, 56371), (105, 56395), (111, 56479), (128, 56647), (144, 56755), (148, 56803), (154, 56842),

Gene: IchabodCrane_75 Start: 54632, Stop: 55852, Start Num: 9

Candidate Starts for IchabodCrane_75:

(Start: 9 @54632 has 32 MA's), (22, 54695), (30, 54749), (Start: 31 @54764 has 2 MA's), (38, 54827), (49, 54893), (52, 54905), (54, 54917), (62, 54965), (83, 55139), (86, 55160), (97, 55244), (100, 55262), (101, 55277), (103, 55298), (105, 55301), (119, 55451), (121, 55487), (128, 55553), (129, 55556), (134, 55586), (144, 55664), (148, 55712), (166, 55847),

Gene: Jada_55 Start: 44746, Stop: 45963, Start Num: 10

Candidate Starts for Jada_55:

(Start: 10 @44746 has 56 MA's), (32, 44899), (46, 44992), (52, 45016), (65, 45097), (83, 45253), (86, 45274), (97, 45358), (100, 45376), (101, 45391), (103, 45412), (105, 45415), (113, 45520), (120, 45598), (128, 45667), (132, 45691), (144, 45775), (145, 45778), (148, 45823), (158, 45898),

Gene: Jay2Jay_81 Start: 56605, Stop: 57693, Start Num: 31

Candidate Starts for Jay2Jay_81:

(8, 56458), (Start: 10 @56473 has 56 MA's), (Start: 31 @56605 has 2 MA's), (33, 56635), (49, 56734), (50, 56737), (52, 56746), (70, 56863), (83, 56980), (86, 57001), (97, 57085), (100, 57103), (101, 57118), (105, 57142), (128, 57394), (130, 57400), (144, 57502), (148, 57550), (154, 57589),

Gene: JimJam_78 Start: 55006, Stop: 56226, Start Num: 9

Candidate Starts for JimJam_78:

(2, 54943), (Start: 9 @55006 has 32 MA's), (22, 55069), (28, 55111), (30, 55123), (Start: 31 @55138 has 2 MA's), (38, 55201), (49, 55267), (52, 55279), (54, 55291), (62, 55339), (83, 55513), (86, 55534), (97, 55618), (100, 55636), (101, 55651), (103, 55672), (105, 55675), (119, 55825), (121, 55861), (128, 55927), (129, 55930), (134, 55960), (144, 56038), (148, 56086), (166, 56221),

Gene: Jollison_83 Start: 54888, Stop: 56108, Start Num: 9

Candidate Starts for Jollison_83:

(2, 54825), (Start: 9 @54888 has 32 MA's), (22, 54951), (28, 54993), (30, 55005), (Start: 31 @55020 has 2 MA's), (38, 55083), (49, 55149), (52, 55161), (54, 55173), (62, 55221), (83, 55395), (86, 55416), (97, 55500), (100, 55518), (101, 55533), (103, 55554), (105, 55557), (119, 55707), (121, 55743), (128, 55809), (129, 55812), (134, 55842), (144, 55920), (148, 55968), (166, 56103),

Gene: Kabocha_68 Start: 55467, Stop: 54070, Start Num: 9

Candidate Starts for Kabocha_68:

(Start: 4 @55503 has 1 MA's), (Start: 9 @55467 has 32 MA's), (13, 55449), (14, 55446), (32, 55305), (40, 55260), (41, 55251), (44, 55230), (47, 55209), (55, 55173), (64, 55119), (74, 55044), (78, 55008), (81, 54978), (93, 54894), (94, 54888), (96, 54870), (99, 54840), (100, 54834), (106, 54777), (125, 54570), (135, 54495), (139, 54471), (152, 54369), (153, 54351), (155, 54345), (157, 54336), (159, 54303), (176, 54117), (177, 54096), (178, 54090),

Gene: Karimac_77 Start: 55037, Stop: 56257, Start Num: 9

Candidate Starts for Karimac_77:

(Start: 9 @55037 has 32 MA's), (22, 55100), (30, 55154), (Start: 31 @55169 has 2 MA's), (38, 55232), (49, 55298), (52, 55310), (54, 55322), (62, 55370), (83, 55544), (86, 55565), (97, 55649), (100, 55667), (101, 55682), (103, 55703), (105, 55706), (119, 55856), (121, 55892), (128, 55958), (129, 55961), (134, 55991), (144, 56069), (148, 56117), (166, 56252),

Gene: Karp_54 Start: 45681, Stop: 46898, Start Num: 10

Candidate Starts for Karp_54:

(Start: 10 @45681 has 56 MA's), (46, 45927), (65, 46032), (68, 46053), (82, 46173), (83, 46188), (86, 46209), (97, 46293), (100, 46311), (101, 46326), (103, 46347), (105, 46350), (113, 46455), (116, 46485), (128, 46602), (132, 46626), (144, 46710), (145, 46713), (148, 46758), (154, 46797), (158, 46833), (164, 46875),

Gene: Kenrey_57 Start: 45015, Stop: 46232, Start Num: 10

Candidate Starts for Kenrey_57:

(Start: 10 @45015 has 56 MA's), (46, 45261), (52, 45285), (65, 45366), (68, 45387), (83, 45522), (84, 45537), (86, 45543), (97, 45627), (100, 45645), (101, 45660), (103, 45681), (105, 45684), (113, 45789), (120, 45867), (128, 45936), (132, 45960), (144, 46044), (145, 46047), (148, 46092), (156, 46140), (158, 46167),

Gene: KentuckyRacer_82 Start: 54821, Stop: 56041, Start Num: 9

Candidate Starts for KentuckyRacer_82:

(2, 54758), (Start: 9 @54821 has 32 MA's), (22, 54884), (28, 54926), (30, 54938), (Start: 31 @54953 has 2 MA's), (38, 55016), (49, 55082), (52, 55094), (54, 55106), (62, 55154), (83, 55328), (86, 55349), (97, 55433), (100, 55451), (101, 55466), (103, 55487), (105, 55490), (119, 55640), (121, 55676), (128, 55742), (129, 55745), (134, 55775), (144, 55853), (148, 55901), (166, 56036),

Gene: Larnav_81 Start: 55711, Stop: 56931, Start Num: 10

Candidate Starts for Larnav_81:

(Start: 10 @55711 has 56 MA's), (19, 55762), (Start: 31 @55843 has 2 MA's), (33, 55873), (34, 55876), (52, 55984), (73, 56122), (83, 56218), (86, 56239), (97, 56323), (100, 56341), (101, 56356), (105, 56380), (111, 56464), (128, 56632), (130, 56638), (144, 56740), (148, 56788), (154, 56827),

Gene: Leo04_77 Start: 56226, Stop: 57446, Start Num: 10

Candidate Starts for Leo04_77:

(Start: 10 @56226 has 56 MA's), (19, 56277), (Start: 31 @56358 has 2 MA's), (33, 56388), (34, 56391), (52, 56499), (73, 56637), (83, 56733), (86, 56754), (97, 56838), (100, 56856), (101, 56871), (105, 56895), (111, 56979), (128, 57147), (144, 57255), (148, 57303), (154, 57342),

Gene: Liandry_75 Start: 55101, Stop: 56321, Start Num: 10

Candidate Starts for Liandry_75:

(5, 55065), (6, 55074), (Start: 10 @55101 has 56 MA's), (19, 55152), (Start: 31 @55233 has 2 MA's), (33, 55263), (34, 55266), (39, 55302), (49, 55362), (52, 55374), (83, 55608), (86, 55629), (97, 55713), (100, 55731), (101, 55746), (105, 55770), (128, 56022), (130, 56028), (144, 56130), (148, 56178), (154, 56217),

Gene: LilMartin_73 Start: 53940, Stop: 55160, Start Num: 10

Candidate Starts for LilMartin_73:

(Start: 10 @53940 has 56 MA's), (19, 53991), (Start: 31 @54072 has 2 MA's), (33, 54102), (38, 54135), (49, 54201), (52, 54213), (83, 54447), (86, 54468), (97, 54552), (100, 54570), (101, 54585), (105, 54609), (128, 54861), (144, 54969), (148, 55017), (154, 55056),

Gene: Limpid_53 Start: 43928, Stop: 45145, Start Num: 10

Candidate Starts for Limpid_53:

(Start: 10 @43928 has 56 MA's), (33, 44087), (52, 44198), (56, 44219), (65, 44279), (75, 44354), (83, 44435), (86, 44456), (97, 44540), (100, 44558), (101, 44573), (103, 44594), (105, 44597), (113, 44702), (128, 44849), (130, 44855), (132, 44873), (134, 44882), (144, 44957), (145, 44960), (148, 45005), (158, 45080), (164, 45122),

Gene: LukeCage_77 Start: 54800, Stop: 56020, Start Num: 9

Candidate Starts for LukeCage_77:

(2, 54737), (Start: 9 @54800 has 32 MA's), (22, 54863), (28, 54905), (30, 54917), (Start: 31 @54932 has 2 MA's), (38, 54995), (49, 55061), (52, 55073), (54, 55085), (62, 55133), (83, 55307), (97, 55412), (100, 55430), (101, 55445), (103, 55466), (105, 55469), (121, 55655), (128, 55721), (129, 55724), (134, 55754), (144, 55832), (148, 55880),

Gene: Lululemon_77 Start: 55107, Stop: 56327, Start Num: 10

Candidate Starts for Lululemon_77:

(Start: 10 @55107 has 56 MA's), (19, 55158), (Start: 31 @55239 has 2 MA's), (33, 55269), (34, 55272), (52, 55380), (73, 55518), (83, 55614), (86, 55635), (97, 55719), (100, 55737), (101, 55752), (105, 55776), (111, 55860), (128, 56028), (144, 56136), (148, 56184), (154, 56223),

Gene: MeganTheeKilla_54 Start: 44181, Stop: 45398, Start Num: 10

Candidate Starts for MeganTheeKilla_54:

(Start: 10 @44181 has 56 MA's), (32, 44334), (46, 44427), (52, 44451), (65, 44532), (83, 44688), (86, 44709), (97, 44793), (100, 44811), (101, 44826), (103, 44847), (105, 44850), (113, 44955), (120, 45033), (128, 45102), (132, 45126), (144, 45210), (145, 45213), (148, 45258), (158, 45333),

Gene: Mildred21_74 Start: 54144, Stop: 55364, Start Num: 10

Candidate Starts for Mildred21_74:

(Start: 10 @54144 has 56 MA's), (19, 54195), (Start: 31 @54276 has 2 MA's), (33, 54306), (35, 54330), (52, 54417), (70, 54534), (83, 54651), (86, 54672), (97, 54756), (100, 54774), (101, 54789), (105, 54813), (128, 55065), (144, 55173), (148, 55221), (154, 55260),

Gene: MindFlayer_76 Start: 54539, Stop: 55759, Start Num: 9

Candidate Starts for MindFlayer_76:

(2, 54476), (Start: 9 @54539 has 32 MA's), (22, 54602), (28, 54644), (30, 54656), (Start: 31 @54671 has 2 MA's), (38, 54734), (49, 54800), (52, 54812), (54, 54824), (62, 54872), (83, 55046), (86, 55067), (97, 55151), (100, 55169), (101, 55184), (103, 55205), (105, 55208), (119, 55358), (121, 55394), (128, 55460), (129, 55463), (134, 55493), (144, 55571), (148, 55619), (166, 55754),

Gene: Moab_56 Start: 46037, Stop: 47254, Start Num: 10

Candidate Starts for Moab_56:

(Start: 10 @46037 has 56 MA's), (32, 46190), (35, 46220), (46, 46283), (52, 46307), (65, 46388), (83, 46544), (86, 46565), (97, 46649), (100, 46667), (101, 46682), (103, 46703), (105, 46706), (113, 46811), (115, 46832), (116, 46841), (128, 46958), (130, 46964), (132, 46982), (134, 46991), (144, 47066), (145, 47069), (148, 47114), (151, 47126), (158, 47189),

Gene: Mugiwara_79 Start: 55299, Stop: 56519, Start Num: 9

Candidate Starts for Mugiwara_79:

(Start: 9 @55299 has 32 MA's), (22, 55362), (28, 55404), (30, 55416), (Start: 31 @55431 has 2 MA's), (38, 55494), (49, 55560), (52, 55572), (54, 55584), (62, 55632), (83, 55806), (86, 55827), (97, 55911), (100, 55929), (101, 55944), (103, 55965), (105, 55968), (121, 56154), (128, 56220), (129, 56223), (131, 56238), (134, 56253), (136, 56271), (144, 56331), (148, 56379), (166, 56514),

Gene: MulchMansion_73 Start: 53940, Stop: 55160, Start Num: 10

Candidate Starts for MulchMansion_73:

(Start: 10 @53940 has 56 MA's), (19, 53991), (Start: 31 @54072 has 2 MA's), (33, 54102), (38, 54135), (49, 54201), (52, 54213), (83, 54447), (86, 54468), (97, 54552), (100, 54570), (101, 54585), (105, 54609), (128, 54861), (144, 54969), (148, 55017), (154, 55056),

Gene: Muntaha_53 Start: 46291, Stop: 47511, Start Num: 10

Candidate Starts for Muntaha_53:

(Start: 10 @46291 has 56 MA's), (28, 46396), (49, 46552), (52, 46564), (61, 46624), (72, 46696), (75, 46720), (83, 46801), (84, 46816), (97, 46906), (100, 46924), (101, 46939), (103, 46960), (105, 46963), (110, 47008), (113, 47068), (120, 47146), (124, 47170), (128, 47215), (132, 47239), (134, 47248), (140, 47299), (144, 47323), (145, 47326), (148, 47371), (151, 47383), (154, 47410), (158, 47446),

Gene: Navo_74 Start: 55023, Stop: 56243, Start Num: 10

Candidate Starts for Navo_74:

(5, 54987), (6, 54996), (Start: 10 @55023 has 56 MA's), (19, 55074), (Start: 31 @55155 has 2 MA's), (33, 55185), (34, 55188), (49, 55284), (52, 55296), (83, 55530), (86, 55551), (97, 55635), (100, 55653), (101, 55668), (105, 55692), (127, 55932), (128, 55944), (130, 55950), (144, 56052), (148, 56100), (154, 56139),

Gene: NiceHouse_86 Start: 61374, Stop: 62714, Start Num: 12

Candidate Starts for NiceHouse_86:

(Start: 12 @61374 has 3 MA's), (17, 61407), (19, 61422), (21, 61431), (22, 61434), (25, 61455), (37, 61566), (44, 61608), (51, 61644), (52, 61647), (54, 61659), (76, 61824), (83, 61890), (87, 61914), (88, 61917), (90, 61932), (98, 61998), (100, 62013), (108, 62067), (111, 62130), (118, 62190), (120, 62226), (121, 62229), (123, 62244), (126, 62268), (134, 62328), (137, 62349), (138, 62352), (147, 62433), (148, 62451), (158, 62541), (161, 62562), (162, 62568), (169, 62640), (173, 62664),

Gene: NootNoot_72 Start: 54015, Stop: 55235, Start Num: 10

Candidate Starts for NootNoot_72:

(5, 53979), (6, 53988), (Start: 10 @54015 has 56 MA's), (19, 54066), (Start: 31 @54147 has 2 MA's), (33, 54177), (34, 54180), (39, 54216), (49, 54276), (52, 54288), (83, 54522), (86, 54543), (97, 54627), (100, 54645), (101, 54660), (105, 54684), (128, 54936), (130, 54942), (144, 55044), (148, 55092), (154, 55131),

Gene: Oogie_66 Start: 55845, Stop: 54448, Start Num: 9

Candidate Starts for Oogie_66:

(Start: 4 @55881 has 1 MA's), (Start: 9 @55845 has 32 MA's), (13, 55827), (14, 55824), (32, 55683), (40, 55638), (41, 55629), (44, 55608), (47, 55587), (55, 55551), (64, 55497), (74, 55422), (78, 55386), (81, 55356), (93, 55272), (94, 55266), (96, 55248), (99, 55218), (100, 55212), (106, 55155), (125, 54948), (135, 54873), (139, 54849), (152, 54747), (153, 54729), (155, 54723), (157, 54714), (159, 54681), (176, 54495), (177, 54474), (178, 54468),

Gene: PacManQ_77 Start: 55107, Stop: 56327, Start Num: 10

Candidate Starts for PacManQ_77:

(Start: 10 @55107 has 56 MA's), (19, 55158), (Start: 31 @55239 has 2 MA's), (33, 55269), (34, 55272), (52, 55380), (73, 55518), (83, 55614), (86, 55635), (97, 55719), (100, 55737), (101, 55752), (105, 55776), (111, 55860), (128, 56028), (144, 56136), (148, 56184), (154, 56223),

Gene: Pakusa_64 Start: 53866, Stop: 52469, Start Num: 9

Candidate Starts for Pakusa_64:

(Start: 4 @53902 has 1 MA's), (Start: 9 @53866 has 32 MA's), (13, 53848), (14, 53845), (32, 53704), (40, 53659), (41, 53650), (44, 53629), (47, 53608), (49, 53602), (55, 53572), (64, 53518), (74, 53443),

(78, 53407), (81, 53377), (93, 53293), (94, 53287), (96, 53269), (99, 53239), (100, 53233), (106, 53176), (125, 52969), (135, 52894), (139, 52870), (152, 52768), (153, 52750), (155, 52744), (157, 52735), (159, 52702), (176, 52516), (177, 52495), (178, 52489),

Gene: Paradiddles_72 Start: 54279, Stop: 55499, Start Num: 10

Candidate Starts for Paradiddles_72:

(5, 54243), (6, 54252), (Start: 10 @54279 has 56 MA's), (19, 54330), (Start: 31 @54411 has 2 MA's), (33, 54441), (34, 54444), (49, 54540), (52, 54552), (83, 54786), (86, 54807), (97, 54891), (100, 54909), (101, 54924), (105, 54948), (128, 55200), (144, 55308), (148, 55356), (154, 55395),

Gene: Patelgo_56 Start: 46224, Stop: 47441, Start Num: 10

Candidate Starts for Patelgo_56:

(Start: 10 @46224 has 56 MA's), (32, 46377), (35, 46407), (46, 46470), (52, 46494), (65, 46575), (83, 46731), (86, 46752), (97, 46836), (100, 46854), (101, 46869), (103, 46890), (105, 46893), (113, 46998), (115, 47019), (128, 47145), (130, 47151), (132, 47169), (134, 47178), (144, 47253), (145, 47256), (148, 47301), (151, 47313), (158, 47376),

Gene: Peebs_75 Start: 55461, Stop: 56681, Start Num: 10

Candidate Starts for Peebs_75:

(Start: 10 @55461 has 56 MA's), (19, 55512), (Start: 31 @55593 has 2 MA's), (33, 55623), (34, 55626), (52, 55734), (73, 55872), (83, 55968), (86, 55989), (97, 56073), (100, 56091), (101, 56106), (105, 56130), (111, 56214), (128, 56382), (130, 56388), (144, 56490), (148, 56538), (154, 56577),

Gene: Pepperwood_76 Start: 55594, Stop: 56814, Start Num: 10

Candidate Starts for Pepperwood_76:

(Start: 10 @55594 has 56 MA's), (19, 55645), (Start: 31 @55726 has 2 MA's), (33, 55756), (34, 55759), (52, 55867), (73, 56005), (83, 56101), (86, 56122), (97, 56206), (100, 56224), (101, 56239), (105, 56263), (111, 56347), (128, 56515), (130, 56521), (144, 56623), (148, 56671), (154, 56710),

Gene: Peregrin_95 Start: 57059, Stop: 58345, Start Num: 11

Candidate Starts for Peregrin_95:

(Start: 11 @57059 has 3 MA's), (19, 57107), (21, 57116), (22, 57119), (25, 57140), (36, 57251), (67, 57440), (81, 57557), (83, 57581), (88, 57608), (95, 57653), (97, 57686), (100, 57704), (108, 57758), (111, 57821), (112, 57830), (118, 57884), (122, 57926), (124, 57944), (139, 58058), (156, 58208), (160, 58250), (161, 58256), (170, 58322),

Gene: Persimmon_72 Start: 53948, Stop: 55168, Start Num: 10

Candidate Starts for Persimmon_72:

(5, 53912), (6, 53921), (Start: 10 @53948 has 56 MA's), (19, 53999), (Start: 31 @54080 has 2 MA's), (33, 54110), (34, 54113), (49, 54209), (52, 54221), (83, 54455), (86, 54476), (97, 54560), (100, 54578), (101, 54593), (105, 54617), (127, 54857), (128, 54869), (130, 54875), (144, 54977), (148, 55025), (154, 55064),

Gene: Phredrick_55 Start: 44086, Stop: 45303, Start Num: 10

Candidate Starts for Phredrick_55:

(Start: 10 @44086 has 56 MA's), (32, 44239), (46, 44332), (52, 44356), (65, 44437), (68, 44458), (83, 44593), (84, 44608), (86, 44614), (97, 44698), (100, 44716), (101, 44731), (103, 44752), (105, 44755), (113, 44860), (120, 44938), (128, 45007), (132, 45031), (144, 45115), (145, 45118), (148, 45163), (156, 45211), (158, 45238),

Gene: PinkiePie_74 Start: 55101, Stop: 56321, Start Num: 10

Candidate Starts for PinkiePie_74:

(5, 55065), (6, 55074), (Start: 10 @55101 has 56 MA's), (19, 55152), (Start: 31 @55233 has 2 MA's), (33, 55263), (34, 55266), (39, 55302), (49, 55362), (52, 55374), (83, 55608), (86, 55629), (97, 55713), (100, 55731), (101, 55746), (105, 55770), (128, 56022), (130, 56028), (144, 56130), (148, 56178), (154, 56217),

Gene: PumpkinSpice_77 Start: 54931, Stop: 56151, Start Num: 9

Candidate Starts for PumpkinSpice_77:

(2, 54868), (Start: 9 @54931 has 32 MA's), (22, 54994), (28, 55036), (30, 55048), (Start: 31 @55063 has 2 MA's), (38, 55126), (49, 55192), (52, 55204), (54, 55216), (62, 55264), (83, 55438), (86, 55459), (97, 55543), (100, 55561), (101, 55576), (103, 55597), (105, 55600), (119, 55750), (121, 55786), (128, 55852), (129, 55855), (134, 55885), (144, 55963), (148, 56011), (166, 56146),

Gene: Quaran19_78 Start: 54922, Stop: 56142, Start Num: 9

Candidate Starts for Quaran19_78:

(2, 54859), (Start: 9 @54922 has 32 MA's), (22, 54985), (28, 55027), (30, 55039), (Start: 31 @55054 has 2 MA's), (38, 55117), (49, 55183), (52, 55195), (54, 55207), (62, 55255), (83, 55429), (86, 55450), (97, 55534), (100, 55552), (101, 55567), (103, 55588), (105, 55591), (119, 55741), (121, 55777), (128, 55843), (129, 55846), (134, 55876), (144, 55954), (148, 56002), (166, 56137),

Gene: SaltySpittoon_78 Start: 54931, Stop: 56151, Start Num: 9

Candidate Starts for SaltySpittoon_78:

(2, 54868), (Start: 9 @54931 has 32 MA's), (22, 54994), (28, 55036), (30, 55048), (Start: 31 @55063 has 2 MA's), (38, 55126), (49, 55192), (52, 55204), (54, 55216), (62, 55264), (83, 55438), (86, 55459), (97, 55543), (100, 55561), (101, 55576), (103, 55597), (105, 55600), (119, 55750), (121, 55786), (128, 55852), (129, 55855), (134, 55885), (144, 55963), (148, 56011), (166, 56146),

Gene: Samisti12_76 Start: 56904, Stop: 58124, Start Num: 10

Candidate Starts for Samisti12_76:

(Start: 10 @56904 has 56 MA's), (19, 56955), (Start: 31 @57036 has 2 MA's), (33, 57066), (34, 57069), (52, 57177), (83, 57411), (86, 57432), (97, 57516), (100, 57534), (101, 57549), (105, 57573), (111, 57657), (128, 57825), (130, 57831), (144, 57933), (148, 57981), (154, 58020),

Gene: ScarletRaider_65 Start: 57036, Stop: 55642, Start Num: 9

Candidate Starts for ScarletRaider_65:

(3, 57084), (Start: 9 @57036 has 32 MA's), (13, 57018), (14, 57015), (32, 56874), (40, 56829), (41, 56820), (49, 56772), (55, 56742), (58, 56724), (64, 56688), (74, 56613), (78, 56577), (93, 56463), (94, 56457), (96, 56439), (99, 56409), (100, 56403), (101, 56388), (106, 56346), (109, 56322), (125, 56139), (135, 56064), (152, 55938), (153, 55920), (155, 55914), (157, 55905), (159, 55872), (163, 55839),

Gene: Schomber_65 Start: 53874, Stop: 52477, Start Num: 9

Candidate Starts for Schomber_65:

(Start: 4 @53910 has 1 MA's), (Start: 9 @53874 has 32 MA's), (13, 53856), (14, 53853), (32, 53712), (40, 53667), (41, 53658), (44, 53637), (47, 53616), (55, 53580), (64, 53526), (74, 53451), (78, 53415), (81, 53385), (93, 53301), (94, 53295), (96, 53277), (99, 53247), (100, 53241), (106, 53184), (125, 52977), (135, 52902), (139, 52878), (152, 52776), (153, 52758), (155, 52752), (157, 52743), (159, 52710), (176, 52524), (177, 52503), (178, 52497),

Gene: SeresaTree_55 Start: 45393, Stop: 46610, Start Num: 10

Candidate Starts for SeresaTree_55:

(Start: 10 @45393 has 56 MA's), (53, 45666), (57, 45696), (65, 45744), (83, 45900), (86, 45921), (97, 46005), (100, 46023), (101, 46038), (103, 46059), (105, 46062), (110, 46107), (113, 46167), (120, 46245), (128, 46314), (132, 46338), (144, 46422), (145, 46425), (148, 46470), (158, 46545), (164,

46587),

Gene: Sham_52 Start: 45934, Stop: 47151, Start Num: 10

Candidate Starts for Sham_52:

(Start: 10 @45934 has 56 MA's), (28, 46036), (83, 46441), (86, 46462), (97, 46546), (100, 46564), (101, 46579), (103, 46600), (105, 46603), (113, 46708), (120, 46786), (128, 46855), (132, 46879), (144, 46963), (145, 46966), (148, 47011), (158, 47086), (164, 47128),

Gene: Sollertia_78 Start: 54885, Stop: 56105, Start Num: 9

Candidate Starts for Sollertia_78:

(Start: 9 @54885 has 32 MA's), (22, 54948), (30, 55002), (Start: 31 @55017 has 2 MA's), (37, 55077), (49, 55146), (52, 55158), (54, 55170), (62, 55218), (83, 55392), (86, 55413), (97, 55497), (100, 55515), (101, 55530), (103, 55551), (105, 55554), (114, 55665), (128, 55806), (129, 55809), (134, 55839), (136, 55857), (144, 55917), (148, 55965), (166, 56100),

Gene: SparkleGoddess_56 Start: 46083, Stop: 47300, Start Num: 10

Candidate Starts for SparkleGoddess_56:

(Start: 10 @46083 has 56 MA's), (46, 46329), (65, 46434), (68, 46455), (82, 46575), (83, 46590), (86, 46611), (97, 46695), (100, 46713), (101, 46728), (103, 46749), (105, 46752), (113, 46857), (116, 46887), (128, 47004), (132, 47028), (144, 47112), (145, 47115), (148, 47160), (154, 47199), (158, 47235), (164, 47277),

Gene: Spelly_78 Start: 54886, Stop: 56106, Start Num: 9

Candidate Starts for Spelly_78:

(2, 54823), (Start: 9 @54886 has 32 MA's), (22, 54949), (28, 54991), (30, 55003), (Start: 31 @55018 has 2 MA's), (38, 55081), (49, 55147), (52, 55159), (54, 55171), (62, 55219), (83, 55393), (86, 55414), (97, 55498), (100, 55516), (101, 55531), (103, 55552), (105, 55555), (119, 55705), (121, 55741), (128, 55807), (129, 55810), (134, 55840), (144, 55918), (148, 55966), (166, 56101),

Gene: Spilled_79 Start: 55003, Stop: 56223, Start Num: 9

Candidate Starts for Spilled_79:

(2, 54940), (Start: 9 @55003 has 32 MA's), (22, 55066), (28, 55108), (30, 55120), (Start: 31 @55135 has 2 MA's), (38, 55198), (49, 55264), (52, 55276), (54, 55288), (62, 55336), (83, 55510), (86, 55531), (97, 55615), (100, 55633), (101, 55648), (103, 55669), (105, 55672), (119, 55822), (121, 55858), (128, 55924), (129, 55927), (134, 55957), (144, 56035), (148, 56083), (166, 56218),

Gene: Squillium_75 Start: 55102, Stop: 56322, Start Num: 10

Candidate Starts for Squillium_75:

(5, 55066), (6, 55075), (Start: 10 @55102 has 56 MA's), (19, 55153), (Start: 31 @55234 has 2 MA's), (33, 55264), (34, 55267), (39, 55303), (49, 55363), (52, 55375), (83, 55609), (86, 55630), (97, 55714), (100, 55732), (101, 55747), (105, 55771), (128, 56023), (130, 56029), (144, 56131), (148, 56179), (154, 56218),

Gene: Stanimal_78 Start: 54774, Stop: 55994, Start Num: 9

Candidate Starts for Stanimal_78:

(Start: 9 @54774 has 32 MA's), (22, 54837), (30, 54891), (Start: 31 @54906 has 2 MA's), (37, 54966), (49, 55035), (52, 55047), (54, 55059), (62, 55107), (83, 55281), (86, 55302), (97, 55386), (100, 55404), (101, 55419), (103, 55440), (105, 55443), (114, 55554), (128, 55695), (129, 55698), (134, 55728), (136, 55746), (144, 55806), (148, 55854), (166, 55989),

Gene: StarPlatinum_78 Start: 55446, Stop: 56666, Start Num: 9

Candidate Starts for StarPlatinum_78:

(Start: 9 @55446 has 32 MA's), (22, 55509), (28, 55551), (30, 55563), (Start: 31 @55578 has 2 MA's), (38, 55641), (49, 55707), (52, 55719), (54, 55731), (62, 55779), (83, 55953), (97, 56058), (100, 56076), (101, 56091), (103, 56112), (105, 56115), (121, 56301), (128, 56367), (129, 56370), (134, 56400), (144, 56478), (148, 56526), (166, 56661),

Gene: Starbow_76 Start: 54907, Stop: 56127, Start Num: 9

Candidate Starts for Starbow_76:

(2, 54844), (Start: 9 @54907 has 32 MA's), (22, 54970), (28, 55012), (30, 55024), (Start: 31 @55039 has 2 MA's), (38, 55102), (49, 55168), (52, 55180), (54, 55192), (62, 55240), (83, 55414), (86, 55435), (97, 55519), (100, 55537), (101, 55552), (103, 55573), (105, 55576), (119, 55726), (121, 55762), (128, 55828), (129, 55831), (134, 55861), (144, 55939), (148, 55987), (166, 56122),

Gene: Stigma_55 Start: 46097, Stop: 47314, Start Num: 10

Candidate Starts for Stigma_55:

(Start: 10 @46097 has 56 MA's), (46, 46343), (65, 46448), (68, 46469), (82, 46589), (83, 46604), (86, 46625), (97, 46709), (100, 46727), (101, 46742), (103, 46763), (105, 46766), (113, 46871), (116, 46901), (128, 47018), (132, 47042), (144, 47126), (145, 47129), (148, 47174), (154, 47213), (158, 47249), (164, 47291),

Gene: Sushi23_76 Start: 55819, Stop: 57039, Start Num: 10

Candidate Starts for Sushi23_76:

(Start: 10 @55819 has 56 MA's), (19, 55870), (Start: 31 @55951 has 2 MA's), (33, 55981), (34, 55984), (52, 56092), (73, 56230), (83, 56326), (86, 56347), (97, 56431), (100, 56449), (101, 56464), (105, 56488), (111, 56572), (128, 56740), (130, 56746), (144, 56848), (148, 56896), (154, 56935),

Gene: Targaryen_77 Start: 56522, Stop: 57742, Start Num: 10

Candidate Starts for Targaryen_77:

(8, 56507), (Start: 10 @56522 has 56 MA's), (Start: 31 @56654 has 2 MA's), (33, 56684), (49, 56783), (50, 56786), (52, 56795), (70, 56912), (83, 57029), (86, 57050), (97, 57134), (100, 57152), (101, 57167), (105, 57191), (128, 57443), (130, 57449), (144, 57551), (148, 57599), (154, 57638),

Gene: Teutsch_76 Start: 56082, Stop: 57302, Start Num: 10

Candidate Starts for Teutsch_76:

(Start: 10 @56082 has 56 MA's), (19, 56133), (Start: 31 @56214 has 2 MA's), (33, 56244), (34, 56247), (52, 56355), (73, 56493), (83, 56589), (86, 56610), (97, 56694), (100, 56712), (101, 56727), (105, 56751), (111, 56835), (128, 57003), (130, 57009), (144, 57111), (148, 57159), (154, 57198),

Gene: TomSawyer_76 Start: 54525, Stop: 55745, Start Num: 9

Candidate Starts for TomSawyer_76:

(2, 54462), (Start: 9 @54525 has 32 MA's), (22, 54588), (28, 54630), (30, 54642), (Start: 31 @54657 has 2 MA's), (38, 54720), (49, 54786), (52, 54798), (54, 54810), (62, 54858), (83, 55032), (86, 55053), (97, 55137), (100, 55155), (101, 55170), (103, 55191), (105, 55194), (119, 55344), (121, 55380), (128, 55446), (129, 55449), (134, 55479), (144, 55557), (148, 55605), (166, 55740),

Gene: Tomas_80 Start: 57265, Stop: 58485, Start Num: 10

Candidate Starts for Tomas_80:

(Start: 10 @57265 has 56 MA's), (22, 57328), (28, 57370), (29, 57376), (30, 57382), (Start: 31 @57397 has 2 MA's), (49, 57526), (52, 57538), (74, 57685), (75, 57691), (77, 57712), (83, 57772), (97, 57877), (100, 57895), (101, 57910), (103, 57931), (128, 58186), (130, 58192), (134, 58219), (144, 58297), (148, 58345),

Gene: Tribute_74 Start: 55288, Stop: 56508, Start Num: 10

Candidate Starts for Tribute_74:

(Start: 10 @55288 has 56 MA's), (19, 55339), (Start: 31 @55420 has 2 MA's), (33, 55450), (34, 55453), (52, 55561), (73, 55699), (83, 55795), (86, 55816), (97, 55900), (100, 55918), (101, 55933), (105, 55957), (111, 56041), (128, 56209), (130, 56215), (144, 56317), (148, 56365), (154, 56404),

Gene: Trina_97 Start: 64441, Stop: 65754, Start Num: 12

Candidate Starts for Trina_97:

(Start: 12 @64441 has 3 MA's), (15, 64459), (19, 64489), (20, 64492), (22, 64501), (25, 64522), (44, 64675), (51, 64711), (56, 64735), (59, 64756), (79, 64915), (81, 64933), (86, 64978), (87, 64981), (95, 65029), (96, 65044), (97, 65062), (100, 65080), (108, 65134), (111, 65197), (118, 65260), (123, 65314), (124, 65320), (134, 65398), (142, 65467), (146, 65485), (151, 65533), (158, 65608), (161, 65629),

Gene: TunaTartare_54 Start: 46237, Stop: 47454, Start Num: 10

Candidate Starts for TunaTartare_54:

(Start: 10 @46237 has 56 MA's), (28, 46339), (68, 46609), (83, 46744), (86, 46765), (97, 46849), (100, 46867), (101, 46882), (103, 46903), (105, 46906), (113, 47011), (120, 47089), (128, 47158), (132, 47182), (144, 47266), (145, 47269), (148, 47314), (158, 47389),

Gene: UBSmoodge_68 Start: 57566, Stop: 56124, Start Num: 3

Candidate Starts for UBSmoodge_68:

(3, 57566), (Start: 9 @57518 has 32 MA's), (13, 57500), (14, 57497), (32, 57356), (40, 57311), (41, 57302), (49, 57254), (55, 57224), (58, 57206), (64, 57170), (74, 57095), (78, 57059), (93, 56945), (94, 56939), (96, 56921), (99, 56891), (100, 56885), (101, 56870), (106, 56828), (109, 56804), (125, 56621), (135, 56546), (152, 56420), (153, 56402), (155, 56396), (157, 56387), (159, 56354), (163, 56321),

Gene: Wakanda_52 Start: 46228, Stop: 47448, Start Num: 10

Candidate Starts for Wakanda_52:

(Start: 10 @46228 has 56 MA's), (28, 46333), (49, 46489), (52, 46501), (61, 46561), (72, 46633), (75, 46657), (83, 46738), (84, 46753), (97, 46843), (100, 46861), (101, 46876), (103, 46897), (105, 46900), (110, 46945), (113, 47005), (120, 47083), (124, 47107), (128, 47152), (132, 47176), (134, 47185), (140, 47236), (144, 47260), (145, 47263), (148, 47308), (151, 47320), (154, 47347), (158, 47383),

Gene: Warpy_80 Start: 56118, Stop: 57206, Start Num: 31

Candidate Starts for Warpy_80:

(8, 55971), (Start: 10 @55986 has 56 MA's), (Start: 31 @56118 has 2 MA's), (33, 56148), (49, 56247), (50, 56250), (52, 56259), (70, 56376), (83, 56493), (86, 56514), (97, 56598), (100, 56616), (101, 56631), (105, 56655), (128, 56907), (130, 56913), (144, 57015), (148, 57063), (154, 57102),

Gene: Watermoore_76 Start: 56298, Stop: 57518, Start Num: 10

Candidate Starts for Watermoore_76:

(Start: 10 @56298 has 56 MA's), (19, 56349), (Start: 31 @56430 has 2 MA's), (33, 56460), (34, 56463), (52, 56571), (73, 56709), (83, 56805), (86, 56826), (97, 56910), (100, 56928), (101, 56943), (105, 56967), (111, 57051), (128, 57219), (144, 57327), (148, 57375), (154, 57414),

Gene: Weasels2_97 Start: 58215, Stop: 59495, Start Num: 11

Candidate Starts for Weasels2_97:

(Start: 11 @58215 has 3 MA's), (19, 58263), (22, 58275), (23, 58281), (30, 58329), (67, 58590), (81, 58707), (83, 58731), (85, 58749), (88, 58758), (95, 58803), (97, 58836), (100, 58854), (108, 58908), (111, 58971), (118, 59034), (122, 59076), (133, 59166), (161, 59406), (168, 59457),

Gene: WhereRU_75 Start: 54539, Stop: 55759, Start Num: 10

Candidate Starts for WhereRU_75:

(5, 54503), (6, 54512), (Start: 10 @54539 has 56 MA's), (19, 54590), (Start: 31 @54671 has 2 MA's), (33, 54701), (34, 54704), (49, 54800), (52, 54812), (83, 55046), (86, 55067), (97, 55151), (100, 55169), (101, 55184), (105, 55208), (127, 55448), (128, 55460), (130, 55466), (144, 55568), (148, 55616), (154, 55655),

Gene: Wipeout_76 Start: 55276, Stop: 56496, Start Num: 9

Candidate Starts for Wipeout_76:

(2, 55213), (Start: 9 @55276 has 32 MA's), (22, 55339), (28, 55381), (30, 55393), (Start: 31 @55408 has 2 MA's), (38, 55471), (49, 55537), (52, 55549), (54, 55561), (62, 55609), (83, 55783), (86, 55804), (97, 55888), (100, 55906), (101, 55921), (103, 55942), (105, 55945), (119, 56095), (121, 56131), (128, 56197), (129, 56200), (134, 56230), (144, 56308), (148, 56356), (166, 56491),

Gene: Wofford_77 Start: 55975, Stop: 57195, Start Num: 9

Candidate Starts for Wofford_77:

(Start: 9 @55975 has 32 MA's), (22, 56038), (28, 56080), (30, 56092), (Start: 31 @56107 has 2 MA's), (38, 56170), (49, 56236), (52, 56248), (54, 56260), (62, 56308), (83, 56482), (97, 56587), (100, 56605), (101, 56620), (103, 56641), (105, 56644), (121, 56830), (128, 56896), (129, 56899), (134, 56929), (144, 57007), (145, 57010), (148, 57055),

Gene: Yaboi_78 Start: 54862, Stop: 56082, Start Num: 9

Candidate Starts for Yaboi_78:

(Start: 9 @54862 has 32 MA's), (22, 54925), (30, 54979), (Start: 31 @54994 has 2 MA's), (37, 55054), (49, 55123), (52, 55135), (54, 55147), (62, 55195), (83, 55369), (86, 55390), (97, 55474), (100, 55492), (101, 55507), (103, 55528), (105, 55531), (114, 55642), (128, 55783), (129, 55786), (134, 55816), (136, 55834), (144, 55894), (148, 55942), (166, 56077),