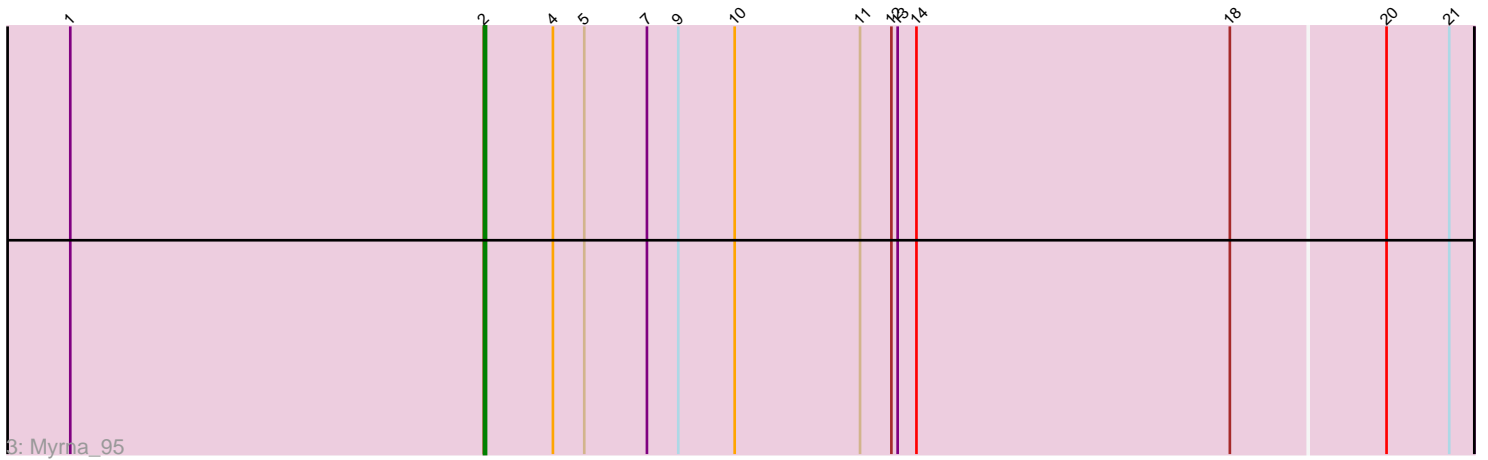
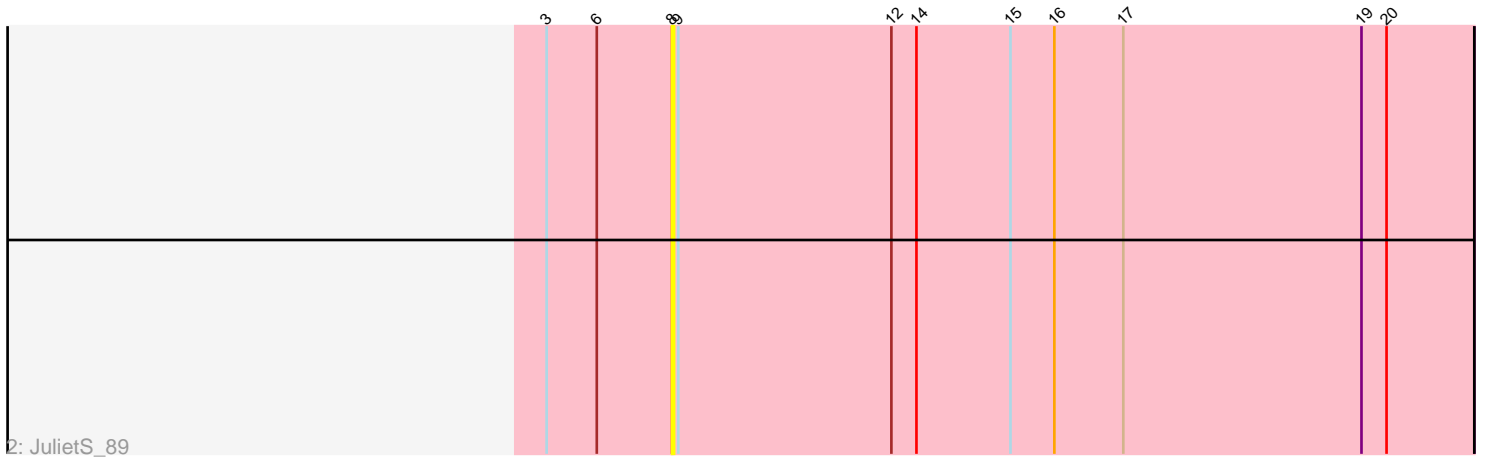
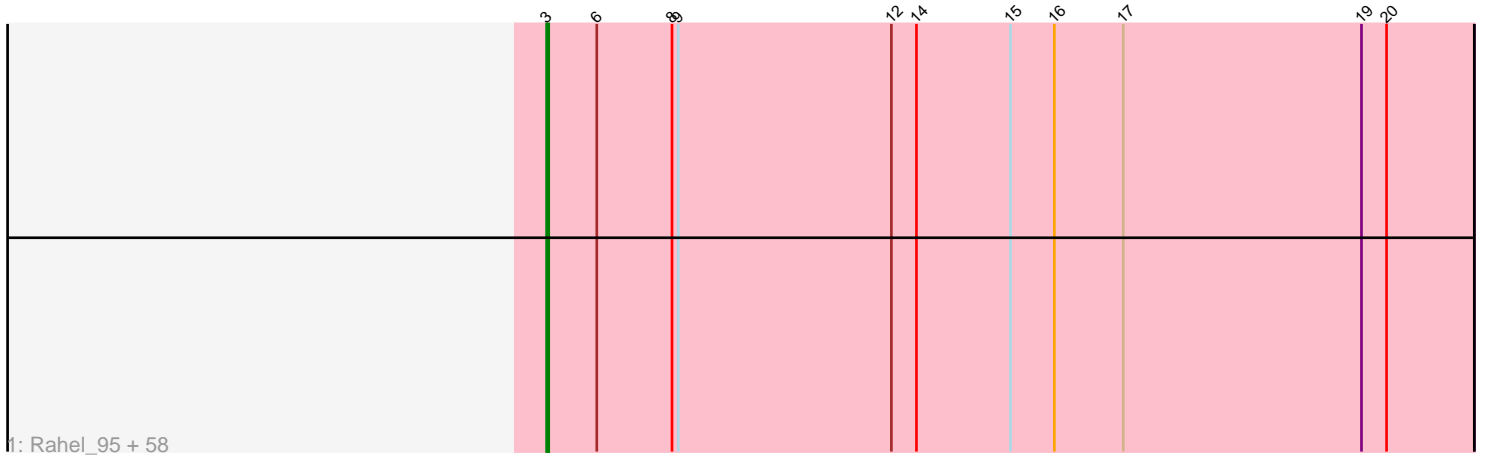


Pham 159199



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 159199 Report

This analysis was run 04/28/24 on database version 559.

Pham number 159199 has 61 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Rahel_95, Basquiat_92, Yassified_92, Amataga_96, Chargie21_92, Ghost_95, LifeSavor_95, Atlantean_95, Guwapp_95, StubbySaigey_98, JPickles_94, Gangam_96, ArcherS7_95, Koguma_92, CindyLou_97, SilverDipper_97, Ngannou_92, LRRHood_90, Naija_95, Shaqnato_88, Sebata_97, Sprinklers_91, Ronan_89, Kboogie_99, Jemmno_96, Phlegm_98, SmallFry_96, Shnickers_96, JustHall_92, McGee_97, Patter_96, YoungMoneyMata_96, DirtMonster_89, Pivoine_95, Grungle_83, Cali_91, CharlieB_91, Momo_95, ValleyTerrace_96, Nappy_98, Trinitium_92, Ading_96, Adlitam_96, Audrick_98, Jaygup_96, Derek_96, Sauce_96, Phusco_96, InigoMontoya_97, Quasimodo_96, Babyland_96, Chomp_93, Bangla1971_97, Essence_93, Jedediah_99, Fludd_96, EmmaElysia_95, Iota_90, Latch_96
- Track 2 : JulietS_89
- Track 3 : Myrna_95

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

The start number called the most often in the published annotations is 3, it was called in 58 of the 59 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_96, Adlitam_96, Amataga_96, ArcherS7_95, Atlantean_95, Audrick_98, Babyland_96, Bangla1971_97, Basquiat_92, Cali_91, Chargie21_92, CharlieB_91, Chomp_93, CindyLou_97, Derek_96, DirtMonster_89, EmmaElysia_95, Essence_93, Fludd_96, Gangam_96, Ghost_95, Grungle_83, Guwapp_95, InigoMontoya_97, Iota_90, JPickles_94, Jaygup_96, Jedediah_99, Jemmno_96, JustHall_92, Kboogie_99, Koguma_92, LRRHood_90, Latch_96, LifeSavor_95, McGee_97, Momo_95, Naija_95, Nappy_98, Ngannou_92, Patter_96, Phlegm_98, Phusco_96, Pivoine_95, Quasimodo_96, Rahel_95, Ronan_89, Sauce_96, Sebata_97, Shaqnato_88, Shnickers_96, SilverDipper_97, SmallFry_96, Sprinklers_91, StubbySaigey_98, Trinitium_92, ValleyTerrace_96, Yassified_92, YoungMoneyMata_96,

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

- JulietS_89,

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

- Myrna_95,

Summary by start number:

Start 2:

- Found in 1 of 61 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 59
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Myrna_95 (C2),

Start 3:

- Found in 60 of 61 (98.4%) of genes in pham
- Manual Annotations of this start: 58 of 59
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Ading_96 (C1), Adlitam_96 (C1), Amataga_96 (C1), ArcherS7_95 (C1), Atlantean_95 (C1), Audrick_98 (C1), Babyland_96 (C1), Bangla1971_97 (C1), Basquiat_92 (C1), Cali_91 (C1), Chargie21_92 (C1), CharlieB_91 (C1), Chomp_93 (C1), CindyLou_97 (C1), Derek_96 (C1), DirtMonster_89 (C1), EmmaElysia_95 (C1), Essence_93 (C1), Fludd_96 (C1), Gangam_96 (C1), Ghost_95 (C1), Grungle_83 (C1), Guwapp_95 (C1), InigoMontoya_97 (C1), Iota_90 (C1), JPickles_94 (C1), Jaygup_96 (C1), Jedediah_99 (C1), Jemmno_96 (C1), JustHall_92 (C1), Kboogie_99 (C1), Koguma_92 (C1), LRRHood_90 (C1), Latch_96 (C1), LifeSavor_95 (C1), McGee_97 (C1), Momo_95 (C1), Naija_95 (C1), Nappy_98 (C1), Ngannou_92 (C1), Patter_96 (C1), Phlegm_98 (C1), Phusco_96 (C1), Pivoine_95 (C1), Quasimodo_96 (C1), Rahel_95 (C1), Ronan_89 (C1), Sauce_96 (C1), Sebata_97 (C1), Shaqnato_88 (C1), Shnickers_96 (C1), SilverDipper_97 (C1), SmallFry_96 (C1), Sprinklers_91 (C1), StubbySaigey_98 (C1), Trinitium_92 (C1), ValleyTerrace_96 (C1), Yassified_92 (C1), YoungMoneyMata_96 (C1),

Start 8:

- Found in 60 of 61 (98.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.7% of time when present
- Phage (with cluster) where this start called: JulietS_89 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: C2, C1,

Info for manual annotations of cluster C1:

- Start number 3 was manually annotated 58 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 2 was manually annotated 1 time for cluster C2.

Gene Information:

Gene: Ading_96 Start: 40893, Stop: 41336, Start Num: 3

Candidate Starts for Ading_96:

(Start: 3 @40893 has 58 MA's), (6, 40917), (8, 40953), (9, 40956), (12, 41058), (14, 41070), (15, 41115), (16, 41136), (17, 41169), (19, 41283), (20, 41295),

Gene: Adlitam_96 Start: 40910, Stop: 41353, Start Num: 3

Candidate Starts for Adlitam_96:

(Start: 3 @40910 has 58 MA's), (6, 40934), (8, 40970), (9, 40973), (12, 41075), (14, 41087), (15, 41132), (16, 41153), (17, 41186), (19, 41300), (20, 41312),

Gene: Amataga_96 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Amataga_96:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: ArcherS7_95 Start: 40473, Stop: 40916, Start Num: 3

Candidate Starts for ArcherS7_95:

(Start: 3 @40473 has 58 MA's), (6, 40497), (8, 40533), (9, 40536), (12, 40638), (14, 40650), (15, 40695), (16, 40716), (17, 40749), (19, 40863), (20, 40875),

Gene: Atlantean_95 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Atlantean_95:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Audrick_98 Start: 40134, Stop: 40577, Start Num: 3

Candidate Starts for Audrick_98:

(Start: 3 @40134 has 58 MA's), (6, 40158), (8, 40194), (9, 40197), (12, 40299), (14, 40311), (15, 40356), (16, 40377), (17, 40410), (19, 40524), (20, 40536),

Gene: Babyland_96 Start: 39594, Stop: 40037, Start Num: 3

Candidate Starts for Babyland_96:

(Start: 3 @39594 has 58 MA's), (6, 39618), (8, 39654), (9, 39657), (12, 39759), (14, 39771), (15, 39816), (16, 39837), (17, 39870), (19, 39984), (20, 39996),

Gene: Bangla1971_97 Start: 40603, Stop: 41046, Start Num: 3

Candidate Starts for Bangla1971_97:

(Start: 3 @40603 has 58 MA's), (6, 40627), (8, 40663), (9, 40666), (12, 40768), (14, 40780), (15, 40825), (16, 40846), (17, 40879), (19, 40993), (20, 41005),

Gene: Basquiat_92 Start: 39148, Stop: 39591, Start Num: 3

Candidate Starts for Basquiat_92:

(Start: 3 @39148 has 58 MA's), (6, 39172), (8, 39208), (9, 39211), (12, 39313), (14, 39325), (15, 39370), (16, 39391), (17, 39424), (19, 39538), (20, 39550),

Gene: Cali_91 Start: 40987, Stop: 41430, Start Num: 3

Candidate Starts for Cali_91:

(Start: 3 @40987 has 58 MA's), (6, 41011), (8, 41047), (9, 41050), (12, 41152), (14, 41164), (15, 41209), (16, 41230), (17, 41263), (19, 41377), (20, 41389),

Gene: Chargie21_92 Start: 39148, Stop: 39591, Start Num: 3

Candidate Starts for Chargie21_92:

(Start: 3 @39148 has 58 MA's), (6, 39172), (8, 39208), (9, 39211), (12, 39313), (14, 39325), (15, 39370), (16, 39391), (17, 39424), (19, 39538), (20, 39550),

Gene: CharlieB_91 Start: 38985, Stop: 39428, Start Num: 3

Candidate Starts for CharlieB_91:

(Start: 3 @38985 has 58 MA's), (6, 39009), (8, 39045), (9, 39048), (12, 39150), (14, 39162), (15, 39207), (16, 39228), (17, 39261), (19, 39375), (20, 39387),

Gene: Chomp_93 Start: 41443, Stop: 41886, Start Num: 3

Candidate Starts for Chomp_93:

(Start: 3 @41443 has 58 MA's), (6, 41467), (8, 41503), (9, 41506), (12, 41608), (14, 41620), (15, 41665), (16, 41686), (17, 41719), (19, 41833), (20, 41845),

Gene: CindyLou_97 Start: 41484, Stop: 41927, Start Num: 3

Candidate Starts for CindyLou_97:

(Start: 3 @41484 has 58 MA's), (6, 41508), (8, 41544), (9, 41547), (12, 41649), (14, 41661), (15, 41706), (16, 41727), (17, 41760), (19, 41874), (20, 41886),

Gene: Derek_96 Start: 41245, Stop: 41688, Start Num: 3

Candidate Starts for Derek_96:

(Start: 3 @41245 has 58 MA's), (6, 41269), (8, 41305), (9, 41308), (12, 41410), (14, 41422), (15, 41467), (16, 41488), (17, 41521), (19, 41635), (20, 41647),

Gene: DirtMonster_89 Start: 39741, Stop: 40184, Start Num: 3

Candidate Starts for DirtMonster_89:

(Start: 3 @39741 has 58 MA's), (6, 39765), (8, 39801), (9, 39804), (12, 39906), (14, 39918), (15, 39963), (16, 39984), (17, 40017), (19, 40131), (20, 40143),

Gene: EmmaElysia_95 Start: 39722, Stop: 40165, Start Num: 3

Candidate Starts for EmmaElysia_95:

(Start: 3 @39722 has 58 MA's), (6, 39746), (8, 39782), (9, 39785), (12, 39887), (14, 39899), (15, 39944), (16, 39965), (17, 39998), (19, 40112), (20, 40124),

Gene: Essence_93 Start: 40709, Stop: 41152, Start Num: 3

Candidate Starts for Essence_93:

(Start: 3 @40709 has 58 MA's), (6, 40733), (8, 40769), (9, 40772), (12, 40874), (14, 40886), (15, 40931), (16, 40952), (17, 40985), (19, 41099), (20, 41111),

Gene: Fludd_96 Start: 39595, Stop: 40038, Start Num: 3

Candidate Starts for Fludd_96:

(Start: 3 @39595 has 58 MA's), (6, 39619), (8, 39655), (9, 39658), (12, 39760), (14, 39772), (15, 39817), (16, 39838), (17, 39871), (19, 39985), (20, 39997),

Gene: Gamgam_96 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Gamgam_96:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Ghost_95 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Ghost_95:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Grungle_83 Start: 37537, Stop: 37980, Start Num: 3

Candidate Starts for Grungle_83:

(Start: 3 @37537 has 58 MA's), (6, 37561), (8, 37597), (9, 37600), (12, 37702), (14, 37714), (15, 37759), (16, 37780), (17, 37813), (19, 37927), (20, 37939),

Gene: Guwapp_95 Start: 40250, Stop: 40693, Start Num: 3

Candidate Starts for Guwapp_95:

(Start: 3 @40250 has 58 MA's), (6, 40274), (8, 40310), (9, 40313), (12, 40415), (14, 40427), (15, 40472), (16, 40493), (17, 40526), (19, 40640), (20, 40652),

Gene: InigoMontoya_97 Start: 40116, Stop: 40559, Start Num: 3

Candidate Starts for InigoMontoya_97:

(Start: 3 @40116 has 58 MA's), (6, 40140), (8, 40176), (9, 40179), (12, 40281), (14, 40293), (15, 40338), (16, 40359), (17, 40392), (19, 40506), (20, 40518),

Gene: Iota_90 Start: 39896, Stop: 40339, Start Num: 3

Candidate Starts for Iota_90:

(Start: 3 @39896 has 58 MA's), (6, 39920), (8, 39956), (9, 39959), (12, 40061), (14, 40073), (15, 40118), (16, 40139), (17, 40172), (19, 40286), (20, 40298),

Gene: JPickles_94 Start: 39386, Stop: 39829, Start Num: 3

Candidate Starts for JPickles_94:

(Start: 3 @39386 has 58 MA's), (6, 39410), (8, 39446), (9, 39449), (12, 39551), (14, 39563), (15, 39608), (16, 39629), (17, 39662), (19, 39776), (20, 39788),

Gene: Jaygup_96 Start: 40911, Stop: 41354, Start Num: 3

Candidate Starts for Jaygup_96:

(Start: 3 @40911 has 58 MA's), (6, 40935), (8, 40971), (9, 40974), (12, 41076), (14, 41088), (15, 41133), (16, 41154), (17, 41187), (19, 41301), (20, 41313),

Gene: Jedediah_99 Start: 41411, Stop: 41854, Start Num: 3

Candidate Starts for Jedediah_99:

(Start: 3 @41411 has 58 MA's), (6, 41435), (8, 41471), (9, 41474), (12, 41576), (14, 41588), (15, 41633), (16, 41654), (17, 41687), (19, 41801), (20, 41813),

Gene: Jemmno_96 Start: 40861, Stop: 41304, Start Num: 3

Candidate Starts for Jemmno_96:

(Start: 3 @40861 has 58 MA's), (6, 40885), (8, 40921), (9, 40924), (12, 41026), (14, 41038), (15, 41083), (16, 41104), (17, 41137), (19, 41251), (20, 41263),

Gene: JulietS_89 Start: 38478, Stop: 38861, Start Num: 8

Candidate Starts for JulietS_89:

(Start: 3 @38418 has 58 MA's), (6, 38442), (8, 38478), (9, 38481), (12, 38583), (14, 38595), (15, 38640), (16, 38661), (17, 38694), (19, 38808), (20, 38820),

Gene: JustHall_92 Start: 40063, Stop: 40506, Start Num: 3

Candidate Starts for JustHall_92:

(Start: 3 @40063 has 58 MA's), (6, 40087), (8, 40123), (9, 40126), (12, 40228), (14, 40240), (15, 40285), (16, 40306), (17, 40339), (19, 40453), (20, 40465),

Gene: Kboogie_99 Start: 39707, Stop: 40150, Start Num: 3

Candidate Starts for Kboogie_99:

(Start: 3 @39707 has 58 MA's), (6, 39731), (8, 39767), (9, 39770), (12, 39872), (14, 39884), (15, 39929), (16, 39950), (17, 39983), (19, 40097), (20, 40109),

Gene: Koguma_92 Start: 38638, Stop: 39081, Start Num: 3

Candidate Starts for Koguma_92:

(Start: 3 @38638 has 58 MA's), (6, 38662), (8, 38698), (9, 38701), (12, 38803), (14, 38815), (15, 38860), (16, 38881), (17, 38914), (19, 39028), (20, 39040),

Gene: LRRHood_90 Start: 40457, Stop: 40900, Start Num: 3

Candidate Starts for LRRHood_90:

(Start: 3 @40457 has 58 MA's), (6, 40481), (8, 40517), (9, 40520), (12, 40622), (14, 40634), (15, 40679), (16, 40700), (17, 40733), (19, 40847), (20, 40859),

Gene: Latch_96 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Latch_96:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: LifeSavor_95 Start: 40843, Stop: 41286, Start Num: 3

Candidate Starts for LifeSavor_95:

(Start: 3 @40843 has 58 MA's), (6, 40867), (8, 40903), (9, 40906), (12, 41008), (14, 41020), (15, 41065), (16, 41086), (17, 41119), (19, 41233), (20, 41245),

Gene: McGee_97 Start: 39339, Stop: 39782, Start Num: 3

Candidate Starts for McGee_97:

(Start: 3 @39339 has 58 MA's), (6, 39363), (8, 39399), (9, 39402), (12, 39504), (14, 39516), (15, 39561), (16, 39582), (17, 39615), (19, 39729), (20, 39741),

Gene: Momo_95 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Momo_95:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Myrna_95 Start: 42678, Stop: 43148, Start Num: 2

Candidate Starts for Myrna_95:

(1, 42480), (Start: 2 @42678 has 1 MA's), (4, 42711), (5, 42726), (7, 42756), (9, 42771), (10, 42798), (11, 42858), (12, 42873), (13, 42876), (14, 42885), (18, 43035), (20, 43107), (21, 43137),

Gene: Naija_95 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Naija_95:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Nappy_98 Start: 41881, Stop: 42324, Start Num: 3

Candidate Starts for Nappy_98:

(Start: 3 @41881 has 58 MA's), (6, 41905), (8, 41941), (9, 41944), (12, 42046), (14, 42058), (15, 42103), (16, 42124), (17, 42157), (19, 42271), (20, 42283),

Gene: Ngannou_92 Start: 39137, Stop: 39580, Start Num: 3

Candidate Starts for Ngannou_92:

(Start: 3 @39137 has 58 MA's), (6, 39161), (8, 39197), (9, 39200), (12, 39302), (14, 39314), (15, 39359), (16, 39380), (17, 39413), (19, 39527), (20, 39539),

Gene: Patter_96 Start: 40172, Stop: 40615, Start Num: 3

Candidate Starts for Patter_96:

(Start: 3 @40172 has 58 MA's), (6, 40196), (8, 40232), (9, 40235), (12, 40337), (14, 40349), (15, 40394), (16, 40415), (17, 40448), (19, 40562), (20, 40574),

Gene: Phlegm_98 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Phlegm_98:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Phusco_96 Start: 40920, Stop: 41363, Start Num: 3

Candidate Starts for Phusco_96:

(Start: 3 @40920 has 58 MA's), (6, 40944), (8, 40980), (9, 40983), (12, 41085), (14, 41097), (15, 41142), (16, 41163), (17, 41196), (19, 41310), (20, 41322),

Gene: Pivoine_95 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for Pivoine_95:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Quasimodo_96 Start: 40685, Stop: 41128, Start Num: 3

Candidate Starts for Quasimodo_96:

(Start: 3 @40685 has 58 MA's), (6, 40709), (8, 40745), (9, 40748), (12, 40850), (14, 40862), (15, 40907), (16, 40928), (17, 40961), (19, 41075), (20, 41087),

Gene: Rahel_95 Start: 40512, Stop: 40955, Start Num: 3

Candidate Starts for Rahel_95:

(Start: 3 @40512 has 58 MA's), (6, 40536), (8, 40572), (9, 40575), (12, 40677), (14, 40689), (15, 40734), (16, 40755), (17, 40788), (19, 40902), (20, 40914),

Gene: Ronan_89 Start: 37956, Stop: 38399, Start Num: 3

Candidate Starts for Ronan_89:

(Start: 3 @37956 has 58 MA's), (6, 37980), (8, 38016), (9, 38019), (12, 38121), (14, 38133), (15, 38178), (16, 38199), (17, 38232), (19, 38346), (20, 38358),

Gene: Sauce_96 Start: 40004, Stop: 40447, Start Num: 3

Candidate Starts for Sauce_96:

(Start: 3 @40004 has 58 MA's), (6, 40028), (8, 40064), (9, 40067), (12, 40169), (14, 40181), (15, 40226), (16, 40247), (17, 40280), (19, 40394), (20, 40406),

Gene: Sebata_97 Start: 41640, Stop: 42083, Start Num: 3

Candidate Starts for Sebata_97:

(Start: 3 @41640 has 58 MA's), (6, 41664), (8, 41700), (9, 41703), (12, 41805), (14, 41817), (15, 41862), (16, 41883), (17, 41916), (19, 42030), (20, 42042),

Gene: Shaqnato_88 Start: 38879, Stop: 39322, Start Num: 3

Candidate Starts for Shaqnato_88:

(Start: 3 @38879 has 58 MA's), (6, 38903), (8, 38939), (9, 38942), (12, 39044), (14, 39056), (15, 39101), (16, 39122), (17, 39155), (19, 39269), (20, 39281),

Gene: Shnickers_96 Start: 40911, Stop: 41354, Start Num: 3

Candidate Starts for Shnickers_96:

(Start: 3 @40911 has 58 MA's), (6, 40935), (8, 40971), (9, 40974), (12, 41076), (14, 41088), (15, 41133), (16, 41154), (17, 41187), (19, 41301), (20, 41313),

Gene: SilverDipper_97 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for SilverDipper_97:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: SmallFry_96 Start: 40106, Stop: 40549, Start Num: 3

Candidate Starts for SmallFry_96:

(Start: 3 @40106 has 58 MA's), (6, 40130), (8, 40166), (9, 40169), (12, 40271), (14, 40283), (15, 40328), (16, 40349), (17, 40382), (19, 40496), (20, 40508),

Gene: Sprinklers_91 Start: 39376, Stop: 39819, Start Num: 3

Candidate Starts for Sprinklers_91:

(Start: 3 @39376 has 58 MA's), (6, 39400), (8, 39436), (9, 39439), (12, 39541), (14, 39553), (15, 39598), (16, 39619), (17, 39652), (19, 39766), (20, 39778),

Gene: StubbySaigey_98 Start: 39443, Stop: 39886, Start Num: 3

Candidate Starts for StubbySaigey_98:

(Start: 3 @39443 has 58 MA's), (6, 39467), (8, 39503), (9, 39506), (12, 39608), (14, 39620), (15, 39665), (16, 39686), (17, 39719), (19, 39833), (20, 39845),

Gene: Trinitium_92 Start: 39181, Stop: 39624, Start Num: 3

Candidate Starts for Trinitium_92:

(Start: 3 @39181 has 58 MA's), (6, 39205), (8, 39241), (9, 39244), (12, 39346), (14, 39358), (15, 39403), (16, 39424), (17, 39457), (19, 39571), (20, 39583),

Gene: ValleyTerrace_96 Start: 40155, Stop: 40598, Start Num: 3

Candidate Starts for ValleyTerrace_96:

(Start: 3 @40155 has 58 MA's), (6, 40179), (8, 40215), (9, 40218), (12, 40320), (14, 40332), (15, 40377), (16, 40398), (17, 40431), (19, 40545), (20, 40557),

Gene: Yassified_92 Start: 39414, Stop: 39857, Start Num: 3

Candidate Starts for Yassified_92:

(Start: 3 @39414 has 58 MA's), (6, 39438), (8, 39474), (9, 39477), (12, 39579), (14, 39591), (15, 39636), (16, 39657), (17, 39690), (19, 39804), (20, 39816),

Gene: YoungMoneyMata_96 Start: 39906, Stop: 40349, Start Num: 3

Candidate Starts for YoungMoneyMata_96:

(Start: 3 @39906 has 58 MA's), (6, 39930), (8, 39966), (9, 39969), (12, 40071), (14, 40083), (15, 40128), (16, 40149), (17, 40182), (19, 40296), (20, 40308),