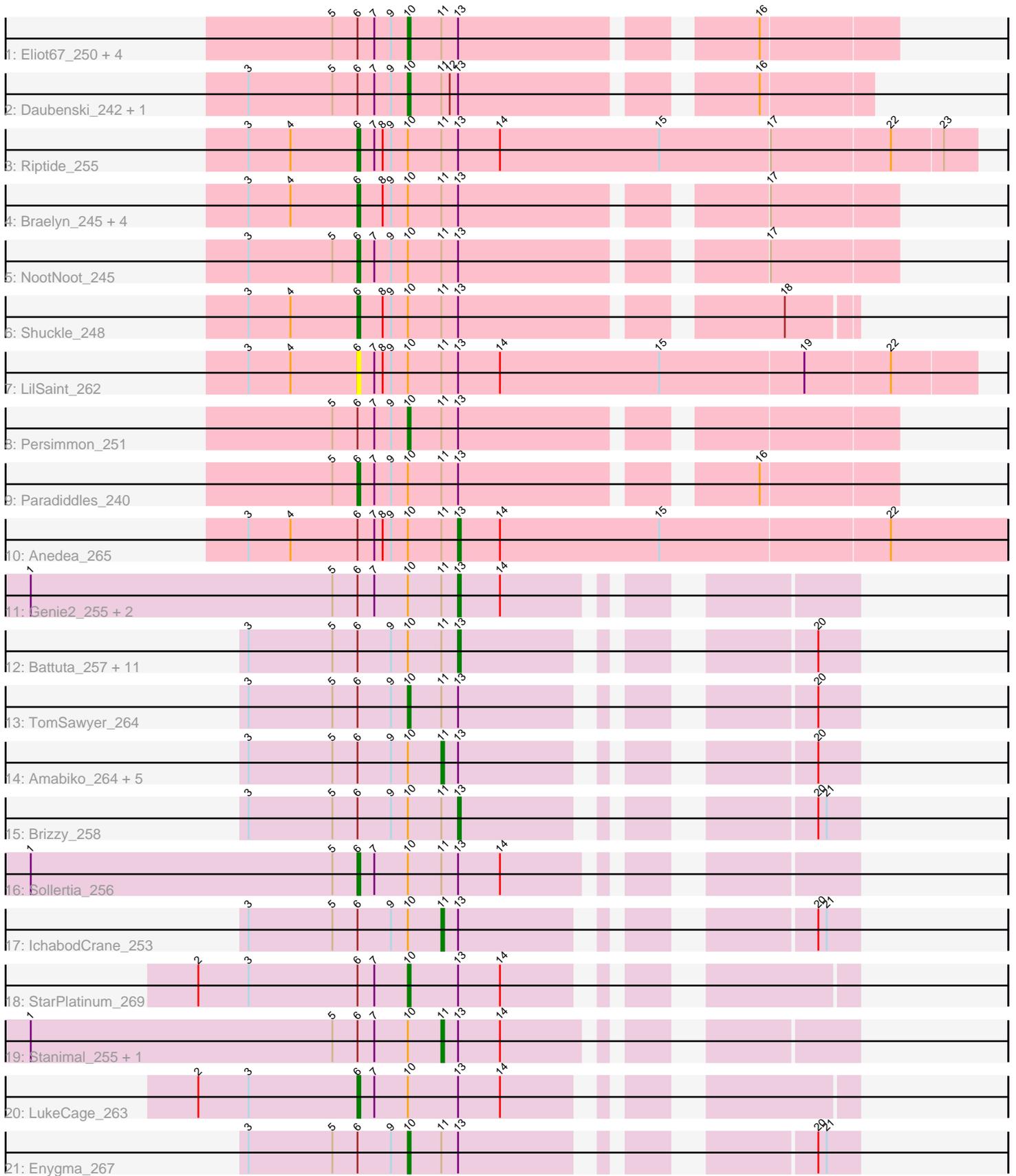# Pham 283903

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 283903 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283903 has 49 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Eliot67_250, PinkiePie_249, FreddyDRoo_252, Squillium_251, Liandry_248
• Track 2 : Daubenski_242, Cadmus_248
• Track 3 : Riptide_255
• Track 4 : Braelyn_245, Bartholomune_249, WhereRU_249, Navo_242, Davielle_249
• Track 5 : NootNoot_245
• Track 6 : Shuckle_248
• Track 7 : LilSaint_262
• Track 8 : Persimmon_251
• Track 9 : Paradiddles_240
• Track 10 : Anedea_265
• Track 11 : Genie2_255, Yaboi_261, AngryGiraffe_256
• Track 12 : Battuta_257, SaltySpitoon_259, Birchlyn_259, Jollison_256, Bordeaux_257, KentuckyRacer_266, Quaran19_260, AcciDwight_268, Spilled_267, Wipeout_251, PumpkinSpice_262, Spelly_264
• Track 13 : TomSawyer_264
• Track 14 : Amabiko_264, CeilingFan_265, MindFlayer_252, Gibbi_269, JimJam_267, Starbow_256
• Track 15 : Brizzy_258
• Track 16 : Sollertia_256
• Track 17 : IchabodCrane_253
• Track 18 : StarPlatinum_269
• Track 19 : Stanimal_255, BoomerJR_255
• Track 20 : LukeCage_263
• Track 21 : Enygma_267

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

The start number called the most often in the published annotations is 13, it was called in 16 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_268, Anedea_265, AngryGiraffe_256, Battuta_257, Birchlyn_259, Bordeaux_257, Brizzy_258, Genie2_255, Jollison_256, KentuckyRacer_266,

PumpkinSpice_262, Quaran19_260, SaltySpitoon_259, Spelly_264, Spilled_267, Wipeout_251, Yaboi_261,

Genes that have the "Most Annotated" start but do not call it:
• Amabiko_264, Bartholomune_249, BoomerJR_255, Braelyn_245, Cadmus_248, CeilingFan_265, Daubenski_242, Davielle_249, Eliot67_250, Enygma_267, FreddyDRoo_252, Gibbi_269, IchabodCrane_253, JimJam_267, Liandry_248, LilSaint_262, LukeCage_263, MindFlayer_252, Navo_242, NootNoot_245, Paradiddles_240, Persimmon_251, PinkiePie_249, Riptide_255, Shuckle_248, Sollertia_256, Squillium_251, Stanimal_255, StarPlatinum_269, Starbow_256, TomSawyer_264, WhereRU_249,

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

Summary by start number:

Start 6:
• Found in 49 of 49 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 44
• Called 24.5% of time when present
• Phage (with cluster) where this start called: Bartholomune_249 (BE1), Braelyn_245 (BE1), Davielle_249 (BE1), LilSaint_262 (BE1), LukeCage_263 (BE2), Navo_242 (BE1), NootNoot_245 (BE1), Paradiddles_240 (BE1), Riptide_255 (BE1), Shuckle_248 (BE1), Sollertia_256 (BE2), WhereRU_249 (BE1),

Start 10:
• Found in 49 of 49 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 44
• Called 22.4% of time when present
• Phage (with cluster) where this start called: Cadmus_248 (BE1), Daubenski_242 (BE1), Eliot67_250 (BE1), Enygma_267 (BE2), FreddyDRoo_252 (BE1), Liandry_248 (BE1), Persimmon_251 (BE1), PinkiePie_249 (BE1), Squillium_251 (BE1), StarPlatinum_269 (BE2), TomSawyer_264 (BE2),

Start 11:
• Found in 47 of 49 (95.9%) of genes in pham
• Manual Annotations of this start: 8 of 44
• Called 19.1% of time when present
• Phage (with cluster) where this start called: Amabiko_264 (BE2), BoomerJR_255 (BE2), CeilingFan_265 (BE2), Gibbi_269 (BE2), IchabodCrane_253 (BE2), JimJam_267 (BE2), MindFlayer_252 (BE2), Stanimal_255 (BE2), Starbow_256 (BE2),

Start 13:
• Found in 49 of 49 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 44
• Called 34.7% of time when present
• Phage (with cluster) where this start called: AcciDwight_268 (BE2), Anedea_265 (BE1), AngryGiraffe_256 (BE2), Battuta_257 (BE2), Birchlyn_259 (BE2), Bordeaux_257 (BE2), Brizzy_258 (BE2), Genie2_255 (BE2), Jollison_256 (BE2), KentuckyRacer_266 (BE2), PumpkinSpice_262 (BE2), Quaran19_260 (BE2), SaltySpitoon_259 (BE2), Spelly_264 (BE2), Spilled_267 (BE2), Wipeout_251 (BE2),

Yaboi_261 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 6 was manually annotated 9 times for cluster BE1.
•Start number 10 was manually annotated 6 times for cluster BE1.
•Start number 13 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 6 was manually annotated 2 times for cluster BE2.
•Start number 10 was manually annotated 3 times for cluster BE2.
•Start number 11 was manually annotated 8 times for cluster BE2.
•Start number 13 was manually annotated 15 times for cluster BE2.

Gene Information:
Gene: AcciDwight_268 Start: 118974, Stop: 119087, Start Num: 13
Candidate Starts for AcciDwight_268:
(3, 118899), (5, 118929), (Start: 6 @118938 has 11 MA's), (9, 118950), (Start: 10 @118956 has 9 MA's), (Start: 11 @118968 has 8 MA's), (Start: 13 @118974 has 16 MA's), (20, 119073),

Gene: Amabiko_264 Start: 118326, Stop: 118445, Start Num: 11
Candidate Starts for Amabiko_264:
(3, 118257), (5, 118287), (Start: 6 @118296 has 11 MA's), (9, 118308), (Start: 10 @118314 has 9 MA's), (Start: 11 @118326 has 8 MA's), (Start: 13 @118332 has 16 MA's), (20, 118431),

Gene: Anedea_265 Start: 122550, Stop: 122744, Start Num: 13
Candidate Starts for Anedea_265:
(3, 122475), (4, 122490), (Start: 6 @122514 has 11 MA's), (7, 122520), (8, 122523), (9, 122526), (Start: 10 @122532 has 9 MA's), (Start: 11 @122544 has 8 MA's), (Start: 13 @122550 has 16 MA's), (14, 122565), (15, 122622), (22, 122703),

Gene: AngryGiraffe_256 Start: 117819, Stop: 117935, Start Num: 13
Candidate Starts for AngryGiraffe_256:
(1, 117666), (5, 117774), (Start: 6 @117783 has 11 MA's), (7, 117789), (Start: 10 @117801 has 9 MA's), (Start: 11 @117813 has 8 MA's), (Start: 13 @117819 has 16 MA's), (14, 117834),

Gene: Bartholomune_249 Start: 120501, Stop: 120677, Start Num: 6
Candidate Starts for Bartholomune_249:
(3, 120462), (4, 120477), (Start: 6 @120501 has 11 MA's), (8, 120510), (9, 120513), (Start: 10 @120519 has 9 MA's), (Start: 11 @120531 has 8 MA's), (Start: 13 @120537 has 16 MA's), (17, 120633),

Gene: Battuta_257 Start: 117647, Stop: 117760, Start Num: 13
Candidate Starts for Battuta_257:
(3, 117572), (5, 117602), (Start: 6 @117611 has 11 MA's), (9, 117623), (Start: 10 @117629 has 9 MA's), (Start: 11 @117641 has 8 MA's), (Start: 13 @117647 has 16 MA's), (20, 117746),

Gene: Birchlyn_259 Start: 115580, Stop: 115693, Start Num: 13
Candidate Starts for Birchlyn_259:
(3, 115505), (5, 115535), (Start: 6 @115544 has 11 MA's), (9, 115556), (Start: 10 @115562 has 9 MA's), (Start: 11 @115574 has 8 MA's), (Start: 13 @115580 has 16 MA's), (20, 115679),

Gene: BoomerJR_255 Start: 118246, Stop: 118368, Start Num: 11
Candidate Starts for BoomerJR_255:
(1, 118099), (5, 118207), (Start: 6 @118216 has 11 MA's), (7, 118222), (Start: 10 @118234 has 9 MA's), (Start: 11 @118246 has 8 MA's), (Start: 13 @118252 has 16 MA's), (14, 118267),

Gene: Bordeaux_257 Start: 118230, Stop: 118343, Start Num: 13
Candidate Starts for Bordeaux_257:
(3, 118155), (5, 118185), (Start: 6 @118194 has 11 MA's), (9, 118206), (Start: 10 @118212 has 9 MA's), (Start: 11 @118224 has 8 MA's), (Start: 13 @118230 has 16 MA's), (20, 118329),

Gene: Braelyn_245 Start: 119835, Stop: 120011, Start Num: 6
Candidate Starts for Braelyn_245:
(3, 119796), (4, 119811), (Start: 6 @119835 has 11 MA's), (8, 119844), (9, 119847), (Start: 10 @119853 has 9 MA's), (Start: 11 @119865 has 8 MA's), (Start: 13 @119871 has 16 MA's), (17, 119967),

Gene: Brizzy_258 Start: 118758, Stop: 118871, Start Num: 13
Candidate Starts for Brizzy_258:
(3, 118683), (5, 118713), (Start: 6 @118722 has 11 MA's), (9, 118734), (Start: 10 @118740 has 9 MA's), (Start: 11 @118752 has 8 MA's), (Start: 13 @118758 has 16 MA's), (20, 118857), (21, 118860),

Gene: Cadmus_248 Start: 121931, Stop: 122080, Start Num: 10
Candidate Starts for Cadmus_248:
(3, 121874), (5, 121904), (Start: 6 @121913 has 11 MA's), (7, 121919), (9, 121925), (Start: 10 @121931 has 9 MA's), (Start: 11 @121943 has 8 MA's), (12, 121946), (Start: 13 @121949 has 16 MA's), (16, 122042),

Gene: CeilingFan_265 Start: 119479, Stop: 119598, Start Num: 11
Candidate Starts for CeilingFan_265:
(3, 119410), (5, 119440), (Start: 6 @119449 has 11 MA's), (9, 119461), (Start: 10 @119467 has 9 MA's), (Start: 11 @119479 has 8 MA's), (Start: 13 @119485 has 16 MA's), (20, 119584),

Gene: Daubenski_242 Start: 121832, Stop: 121981, Start Num: 10
Candidate Starts for Daubenski_242:
(3, 121775), (5, 121805), (Start: 6 @121814 has 11 MA's), (7, 121820), (9, 121826), (Start: 10 @121832 has 9 MA's), (Start: 11 @121844 has 8 MA's), (12, 121847), (Start: 13 @121850 has 16 MA's), (16, 121943),

Gene: Davielle_249 Start: 120585, Stop: 120761, Start Num: 6
Candidate Starts for Davielle_249:
(3, 120546), (4, 120561), (Start: 6 @120585 has 11 MA's), (8, 120594), (9, 120597), (Start: 10 @120603 has 9 MA's), (Start: 11 @120615 has 8 MA's), (Start: 13 @120621 has 16 MA's), (17, 120717),

Gene: Eliot67_250 Start: 120233, Stop: 120391, Start Num: 10
Candidate Starts for Eliot67_250:
(5, 120206), (Start: 6 @120215 has 11 MA's), (7, 120221), (9, 120227), (Start: 10 @120233 has 9 MA's), (Start: 11 @120245 has 8 MA's), (Start: 13 @120251 has 16 MA's), (16, 120344),

Gene: Enygma_267 Start: 121264, Stop: 121395, Start Num: 10
Candidate Starts for Enygma_267:
(3, 121207), (5, 121237), (Start: 6 @121246 has 11 MA's), (9, 121258), (Start: 10 @121264 has 9 MA's), (Start: 11 @121276 has 8 MA's), (Start: 13 @121282 has 16 MA's), (20, 121381), (21, 121384),

Gene: FreddyDRoo_252 Start: 120233, Stop: 120391, Start Num: 10
Candidate Starts for FreddyDRoo_252:
(5, 120206), (Start: 6 @120215 has 11 MA's), (7, 120221), (9, 120227), (Start: 10 @120233 has 9 MA's), (Start: 11 @120245 has 8 MA's), (Start: 13 @120251 has 16 MA's), (16, 120344),

Gene: Genie2_255 Start: 118377, Stop: 118493, Start Num: 13
Candidate Starts for Genie2_255:
(1, 118224), (5, 118332), (Start: 6 @118341 has 11 MA's), (7, 118347), (Start: 10 @118359 has 9 MA's), (Start: 11 @118371 has 8 MA's), (Start: 13 @118377 has 16 MA's), (14, 118392),

Gene: Gibbi_269 Start: 118972, Stop: 119091, Start Num: 11
Candidate Starts for Gibbi_269:
(3, 118903), (5, 118933), (Start: 6 @118942 has 11 MA's), (9, 118954), (Start: 10 @118960 has 9 MA's), (Start: 11 @118972 has 8 MA's), (Start: 13 @118978 has 16 MA's), (20, 119077),

Gene: IchabodCrane_253 Start: 118027, Stop: 118146, Start Num: 11
Candidate Starts for IchabodCrane_253:
(3, 117958), (5, 117988), (Start: 6 @117997 has 11 MA's), (9, 118009), (Start: 10 @118015 has 9 MA's), (Start: 11 @118027 has 8 MA's), (Start: 13 @118033 has 16 MA's), (20, 118132), (21, 118135),

Gene: JimJam_267 Start: 120408, Stop: 120527, Start Num: 11
Candidate Starts for JimJam_267:
(3, 120339), (5, 120369), (Start: 6 @120378 has 11 MA's), (9, 120390), (Start: 10 @120396 has 9 MA's), (Start: 11 @120408 has 8 MA's), (Start: 13 @120414 has 16 MA's), (20, 120513),

Gene: Jollison_256 Start: 118164, Stop: 118277, Start Num: 13
Candidate Starts for Jollison_256:
(3, 118089), (5, 118119), (Start: 6 @118128 has 11 MA's), (9, 118140), (Start: 10 @118146 has 9 MA's), (Start: 11 @118158 has 8 MA's), (Start: 13 @118164 has 16 MA's), (20, 118263),

Gene: KentuckyRacer_266 Start: 120329, Stop: 120442, Start Num: 13
Candidate Starts for KentuckyRacer_266:
(3, 120254), (5, 120284), (Start: 6 @120293 has 11 MA's), (9, 120305), (Start: 10 @120311 has 9 MA's), (Start: 11 @120323 has 8 MA's), (Start: 13 @120329 has 16 MA's), (20, 120428),

Gene: Liandry_248 Start: 120940, Stop: 121098, Start Num: 10
Candidate Starts for Liandry_248:
(5, 120913), (Start: 6 @120922 has 11 MA's), (7, 120928), (9, 120934), (Start: 10 @120940 has 9 MA's), (Start: 11 @120952 has 8 MA's), (Start: 13 @120958 has 16 MA's), (16, 121051),

Gene: LilSaint_262 Start: 121316, Stop: 121534, Start Num: 6
Candidate Starts for LilSaint_262:
(3, 121277), (4, 121292), (Start: 6 @121316 has 11 MA's), (7, 121322), (8, 121325), (9, 121328), (Start: 10 @121334 has 9 MA's), (Start: 11 @121346 has 8 MA's), (Start: 13 @121352 has 16 MA's), (14, 121367), (15, 121424), (19, 121475), (22, 121505),

Gene: LukeCage_263 Start: 120379, Stop: 120528, Start Num: 6

Candidate Starts for LukeCage_263:
(2, 120322), (3, 120340), (Start: 6 @120379 has 11 MA's), (7, 120385), (Start: 10 @120397 has 9 MA's), (Start: 13 @120415 has 16 MA's), (14, 120430),

Gene: MindFlayer_252 Start: 117543, Stop: 117662, Start Num: 11
Candidate Starts for MindFlayer_252:
(3, 117474), (5, 117504), (Start: 6 @117513 has 11 MA's), (9, 117525), (Start: 10 @117531 has 9 MA's), (Start: 11 @117543 has 8 MA's), (Start: 13 @117549 has 16 MA's), (20, 117648),

Gene: Navo_242 Start: 119039, Stop: 119215, Start Num: 6
Candidate Starts for Navo_242:
(3, 119000), (4, 119015), (Start: 6 @119039 has 11 MA's), (8, 119048), (9, 119051), (Start: 10 @119057 has 9 MA's), (Start: 11 @119069 has 8 MA's), (Start: 13 @119075 has 16 MA's), (17, 119171),

Gene: NootNoot_245 Start: 119734, Stop: 119910, Start Num: 6
Candidate Starts for NootNoot_245:
(3, 119695), (5, 119725), (Start: 6 @119734 has 11 MA's), (7, 119740), (9, 119746), (Start: 10 @119752 has 9 MA's), (Start: 11 @119764 has 8 MA's), (Start: 13 @119770 has 16 MA's), (17, 119866),

Gene: Paradiddles_240 Start: 122109, Stop: 122285, Start Num: 6
Candidate Starts for Paradiddles_240:
(5, 122100), (Start: 6 @122109 has 11 MA's), (7, 122115), (9, 122121), (Start: 10 @122127 has 9 MA's), (Start: 11 @122139 has 8 MA's), (Start: 13 @122145 has 16 MA's), (16, 122238),

Gene: Persimmon_251 Start: 120254, Stop: 120412, Start Num: 10
Candidate Starts for Persimmon_251:
(5, 120227), (Start: 6 @120236 has 11 MA's), (7, 120242), (9, 120248), (Start: 10 @120254 has 9 MA's), (Start: 11 @120266 has 8 MA's), (Start: 13 @120272 has 16 MA's),

Gene: PinkiePie_249 Start: 120940, Stop: 121098, Start Num: 10
Candidate Starts for PinkiePie_249:
(5, 120913), (Start: 6 @120922 has 11 MA's), (7, 120928), (9, 120934), (Start: 10 @120940 has 9 MA's), (Start: 11 @120952 has 8 MA's), (Start: 13 @120958 has 16 MA's), (16, 121051),

Gene: PumpkinSpice_262 Start: 118770, Stop: 118883, Start Num: 13
Candidate Starts for PumpkinSpice_262:
(3, 118695), (5, 118725), (Start: 6 @118734 has 11 MA's), (9, 118746), (Start: 10 @118752 has 9 MA's), (Start: 11 @118764 has 8 MA's), (Start: 13 @118770 has 16 MA's), (20, 118869),

Gene: Quaran19_260 Start: 118671, Stop: 118784, Start Num: 13
Candidate Starts for Quaran19_260:
(3, 118596), (5, 118626), (Start: 6 @118635 has 11 MA's), (9, 118647), (Start: 10 @118653 has 9 MA's), (Start: 11 @118665 has 8 MA's), (Start: 13 @118671 has 16 MA's), (20, 118770),

Gene: Riptide_255 Start: 120918, Stop: 121136, Start Num: 6
Candidate Starts for Riptide_255:
(3, 120879), (4, 120894), (Start: 6 @120918 has 11 MA's), (7, 120924), (8, 120927), (9, 120930), (Start: 10 @120936 has 9 MA's), (Start: 11 @120948 has 8 MA's), (Start: 13 @120954 has 16 MA's), (14, 120969), (15, 121026), (17, 121065), (22, 121107), (23, 121125),

Gene: SaltySpitoon_259 Start: 117753, Stop: 117866, Start Num: 13

Candidate Starts for SaltySpitoon_259:
(3, 117678), (5, 117708), (Start: 6 @117717 has 11 MA's), (9, 117729), (Start: 10 @117735 has 9 MA's), (Start: 11 @117747 has 8 MA's), (Start: 13 @117753 has 16 MA's), (20, 117852),

Gene: Shuckle_248 Start: 122102, Stop: 122263, Start Num: 6
Candidate Starts for Shuckle_248:
(3, 122063), (4, 122078), (Start: 6 @122102 has 11 MA's), (8, 122111), (9, 122114), (Start: 10 @122120 has 9 MA's), (Start: 11 @122132 has 8 MA's), (Start: 13 @122138 has 16 MA's), (18, 122240),

Gene: Sollertia_256 Start: 118330, Stop: 118482, Start Num: 6
Candidate Starts for Sollertia_256:
(1, 118213), (5, 118321), (Start: 6 @118330 has 11 MA's), (7, 118336), (Start: 10 @118348 has 9 MA's), (Start: 11 @118360 has 8 MA's), (Start: 13 @118366 has 16 MA's), (14, 118381),

Gene: Spelly_264 Start: 117682, Stop: 117795, Start Num: 13
Candidate Starts for Spelly_264:
(3, 117607), (5, 117637), (Start: 6 @117646 has 11 MA's), (9, 117658), (Start: 10 @117664 has 9 MA's), (Start: 11 @117676 has 8 MA's), (Start: 13 @117682 has 16 MA's), (20, 117781),

Gene: Spilled_267 Start: 119346, Stop: 119459, Start Num: 13
Candidate Starts for Spilled_267:
(3, 119271), (5, 119301), (Start: 6 @119310 has 11 MA's), (9, 119322), (Start: 10 @119328 has 9 MA's), (Start: 11 @119340 has 8 MA's), (Start: 13 @119346 has 16 MA's), (20, 119445),

Gene: Squillium_251 Start: 120942, Stop: 121115, Start Num: 10
Candidate Starts for Squillium_251:
(5, 120915), (Start: 6 @120924 has 11 MA's), (7, 120930), (9, 120936), (Start: 10 @120942 has 9 MA's), (Start: 11 @120954 has 8 MA's), (Start: 13 @120960 has 16 MA's), (16, 121053),

Gene: Stanimal_255 Start: 118732, Stop: 118854, Start Num: 11
Candidate Starts for Stanimal_255:
(1, 118585), (5, 118693), (Start: 6 @118702 has 11 MA's), (7, 118708), (Start: 10 @118720 has 9 MA's), (Start: 11 @118732 has 8 MA's), (Start: 13 @118738 has 16 MA's), (14, 118753),

Gene: StarPlatinum_269 Start: 121173, Stop: 121304, Start Num: 10
Candidate Starts for StarPlatinum_269:
(2, 121098), (3, 121116), (Start: 6 @121155 has 11 MA's), (7, 121161), (Start: 10 @121173 has 9 MA's), (Start: 13 @121191 has 16 MA's), (14, 121206),

Gene: Starbow_256 Start: 117720, Stop: 117839, Start Num: 11
Candidate Starts for Starbow_256:
(3, 117651), (5, 117681), (Start: 6 @117690 has 11 MA's), (9, 117702), (Start: 10 @117708 has 9 MA's), (Start: 11 @117720 has 8 MA's), (Start: 13 @117726 has 16 MA's), (20, 117825),

Gene: TomSawyer_264 Start: 120639, Stop: 120770, Start Num: 10
Candidate Starts for TomSawyer_264:
(3, 120582), (5, 120612), (Start: 6 @120621 has 11 MA's), (9, 120633), (Start: 10 @120639 has 9 MA's), (Start: 11 @120651 has 8 MA's), (Start: 13 @120657 has 16 MA's), (20, 120756),

Gene: WhereRU_249 Start: 120570, Stop: 120746, Start Num: 6
Candidate Starts for WhereRU_249:

(3, 120531), (4, 120546), (Start: 6 @120570 has 11 MA's), (8, 120579), (9, 120582), (Start: 10 @120588 has 9 MA's), (Start: 11 @120600 has 8 MA's), (Start: 13 @120606 has 16 MA's), (17, 120702),

Gene: Wipeout_251 Start: 119609, Stop: 119722, Start Num: 13
Candidate Starts for Wipeout_251:
(3, 119534), (5, 119564), (Start: 6 @119573 has 11 MA's), (9, 119585), (Start: 10 @119591 has 9 MA's), (Start: 11 @119603 has 8 MA's), (Start: 13 @119609 has 16 MA's), (20, 119708),

Gene: Yaboi_261 Start: 118301, Stop: 118417, Start Num: 13
Candidate Starts for Yaboi_261:
(1, 118148), (5, 118256), (Start: 6 @118265 has 11 MA's), (7, 118271), (Start: 10 @118283 has 9 MA's), (Start: 11 @118295 has 8 MA's), (Start: 13 @118301 has 16 MA's), (14, 118316),