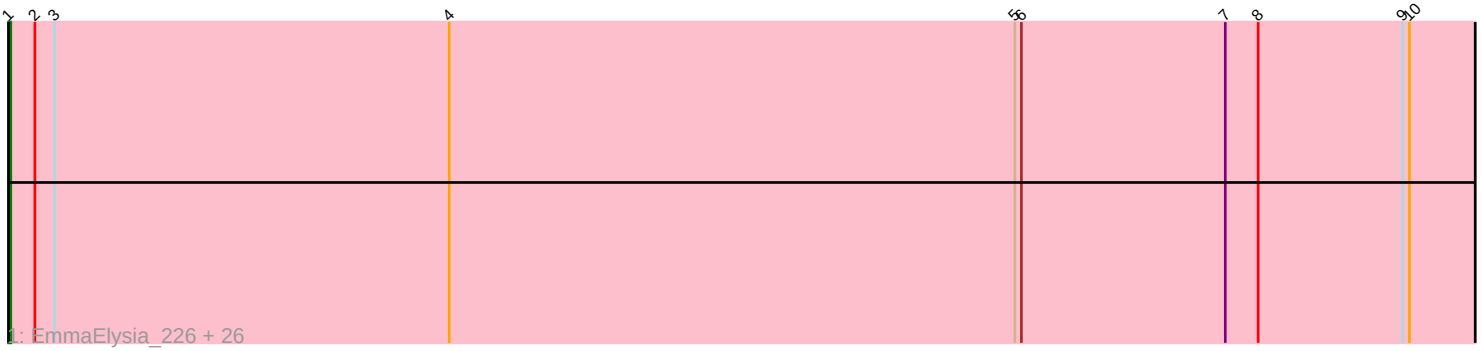
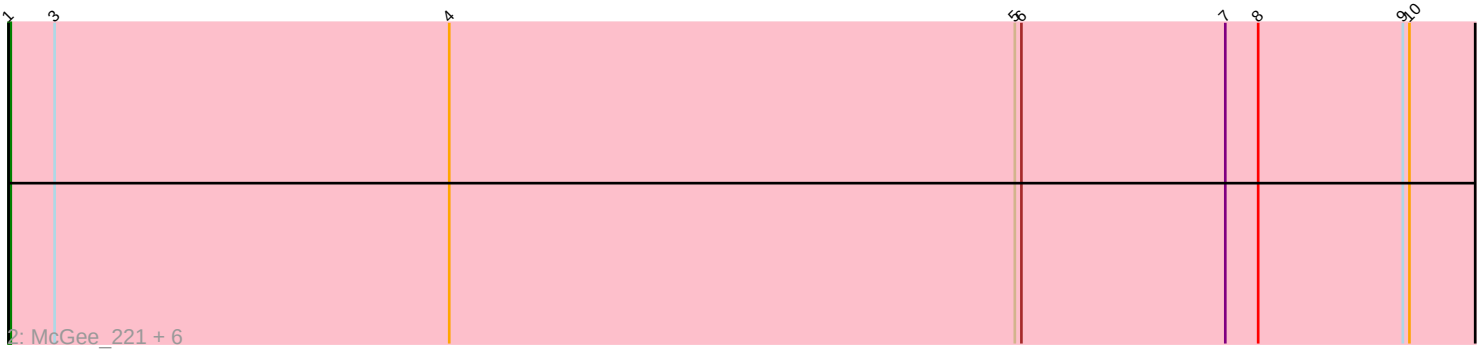
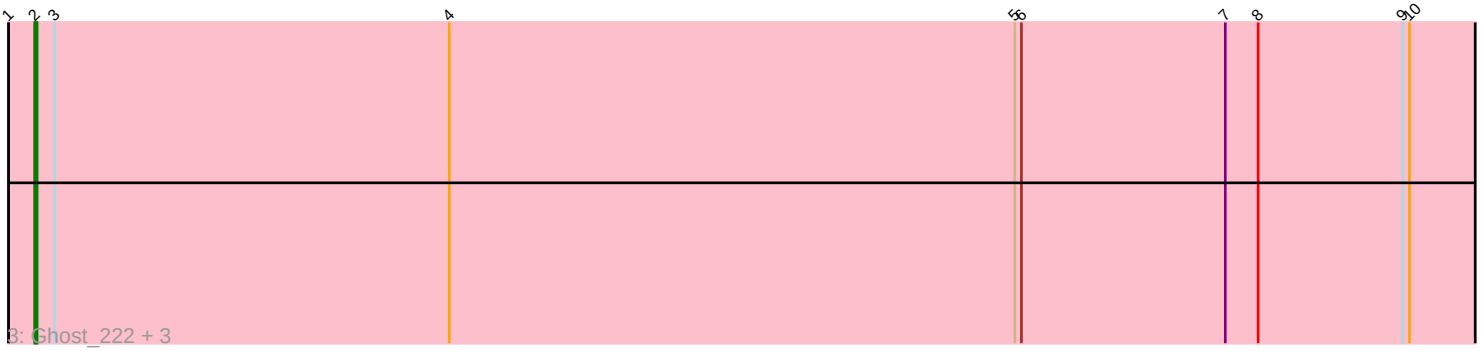
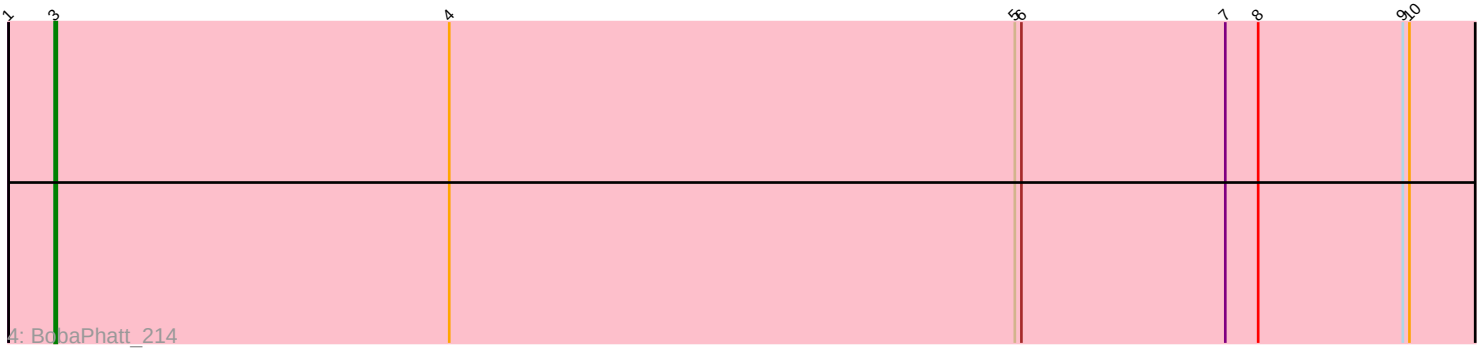
Pham 333013


1
2
3
4
5
6
7
8
9
10
1: EmmaElysia_226 + 26


1
3
4
5
6
7
8
9
10
2: McGee_221 + 6


1
2
3
4
5
6
7
8
9
10
3: Ghost_222 + 3


1
3
4
5
6
7
8
9
10
4: BobaPhatt_214

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 333013 Report

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

Pham number 333013 has 39 members, 0 are drafts.

Phages represented in each track:
• Track 1 : EmmaElysia_226, Jaygup_218, JPickles_218, LifeSavor_221, Quasimodo_224, Bangla1971_222, Adlitam_221, Chomp_222, Essence_219, Dessert_222, Guwapp_217, Ngannou_219, Patter_223, Sauce_218, Spec_216, ChaylaJr_220, SmallFry_222, Shnickers_220, Jedediah_222, Cactojaque_217, Derek_219, Rahel_223, Labradorite_222, YoungMoneyMata_221, Phusco_220, Salacia_222, Teardrop_219
• Track 2 : McGee_221, BeanWater_214, IkeLoa_214, Fixie_213, Blackbrain_219, HyRo_210, Shifa_199
• Track 3 : Ghost_222, Tyke_220, DTDevon_224, ArcherS7_222
• Track 4 : BobaPhatt_214

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

The start number called the most often in the published annotations is 1, it was called in 34 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adlitam_221, Bangla1971_222, BeanWater_214, Blackbrain_219, Cactojaque_217, ChaylaJr_220, Chomp_222, Derek_219, Dessert_222, EmmaElysia_226, Essence_219, Fixie_213, Guwapp_217, HyRo_210, IkeLoa_214, JPickles_218, Jaygup_218, Jedediah_222, Labradorite_222, LifeSavor_221, McGee_221, Ngannou_219, Patter_223, Phusco_220, Quasimodo_224, Rahel_223, Salacia_222, Sauce_218, Shifa_199, Shnickers_220, SmallFry_222, Spec_216, Teardrop_219, YoungMoneyMata_221,

Genes that have the "Most Annotated" start but do not call it:
• ArcherS7_222, BobaPhatt_214, DTDevon_224, Ghost_222, Tyke_220,

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

Summary by start number:

Start 1:

• Found in 39 of 39 (100.0%) of genes in pham
• Manual Annotations of this start: 34 of 39
• Called 87.2% of time when present
• Phage (with cluster) where this start called: Adlitam_221 (C1), Bangla1971_222 (C1), BeanWater_214 (C1), Blackbrain_219 (C1), Cactojaque_217 (C1), ChaylaJr_220 (C1), Chomp_222 (C1), Derek_219 (C1), Dessert_222 (C1), EmmaElysia_226 (C1), Essence_219 (C1), Fixie_213 (C1), Guwapp_217 (C1), HyRo_210 (C1), IkeLoa_214 (C1), JPickles_218 (C1), Jaygup_218 (C1), Jedediah_222 (C1), Labradorite_222 (C1), LifeSavor_221 (C1), McGee_221 (C1), Ngannou_219 (C1), Patter_223 (C1), Phusco_220 (C1), Quasimodo_224 (C1), Rahel_223 (C1), Salacia_222 (C1), Sauce_218 (C1), Shifa_199 (C1), Shnickers_220 (C1), SmallFry_222 (C1), Spec_216 (C1), Teardrop_219 (C1), YoungMoneyMata_221 (C1),

Start 2:
• Found in 31 of 39 (79.5%) of genes in pham
• Manual Annotations of this start: 4 of 39
• Called 12.9% of time when present
• Phage (with cluster) where this start called: ArcherS7_222 (C1), DTDevon_224 (C1), Ghost_222 (C1), Tyke_220 (C1),

Start 3:
• Found in 39 of 39 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 39
• Called 2.6% of time when present
• Phage (with cluster) where this start called: BobaPhatt_214 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 34 times for cluster C1.
•Start number 2 was manually annotated 4 times for cluster C1.
•Start number 3 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Adlitam_221 Start: 125028, Stop: 125723, Start Num: 1
Candidate Starts for Adlitam_221:
(Start: 1 @125028 has 34 MA's), (Start: 2 @125040 has 4 MA's), (Start: 3 @125049 has 1 MA's), (4, 125229), (5, 125487), (6, 125490), (7, 125583), (8, 125598), (9, 125664), (10, 125667),

Gene: ArcherS7_222 Start: 125894, Stop: 126577, Start Num: 2
Candidate Starts for ArcherS7_222:
(Start: 1 @125882 has 34 MA's), (Start: 2 @125894 has 4 MA's), (Start: 3 @125903 has 1 MA's), (4, 126083), (5, 126341), (6, 126344), (7, 126437), (8, 126452), (9, 126518), (10, 126521),

Gene: Bangla1971_222 Start: 124846, Stop: 125541, Start Num: 1
Candidate Starts for Bangla1971_222:

(Start: 1 @124846 has 34 MA's), (Start: 2 @124858 has 4 MA's), (Start: 3 @124867 has 1 MA's), (4, 125047), (5, 125305), (6, 125308), (7, 125401), (8, 125416), (9, 125482), (10, 125485),

Gene: BeanWater_214 Start: 123873, Stop: 124568, Start Num: 1
Candidate Starts for BeanWater_214:
(Start: 1 @123873 has 34 MA's), (Start: 3 @123894 has 1 MA's), (4, 124074), (5, 124332), (6, 124335), (7, 124428), (8, 124443), (9, 124509), (10, 124512),

Gene: Blackbrain_219 Start: 124432, Stop: 125127, Start Num: 1
Candidate Starts for Blackbrain_219:
(Start: 1 @124432 has 34 MA's), (Start: 3 @124453 has 1 MA's), (4, 124633), (5, 124891), (6, 124894), (7, 124987), (8, 125002), (9, 125068), (10, 125071),

Gene: BobaPhatt_214 Start: 123572, Stop: 124246, Start Num: 3
Candidate Starts for BobaPhatt_214:
(Start: 1 @123551 has 34 MA's), (Start: 3 @123572 has 1 MA's), (4, 123752), (5, 124010), (6, 124013), (7, 124106), (8, 124121), (9, 124187), (10, 124190),

Gene: Cactojaque_217 Start: 123379, Stop: 124074, Start Num: 1
Candidate Starts for Cactojaque_217:
(Start: 1 @123379 has 34 MA's), (Start: 2 @123391 has 4 MA's), (Start: 3 @123400 has 1 MA's), (4, 123580), (5, 123838), (6, 123841), (7, 123934), (8, 123949), (9, 124015), (10, 124018),

Gene: ChaylaJr_220 Start: 124047, Stop: 124742, Start Num: 1
Candidate Starts for ChaylaJr_220:
(Start: 1 @124047 has 34 MA's), (Start: 2 @124059 has 4 MA's), (Start: 3 @124068 has 1 MA's), (4, 124248), (5, 124506), (6, 124509), (7, 124602), (8, 124617), (9, 124683), (10, 124686),

Gene: Chomp_222 Start: 126129, Stop: 126824, Start Num: 1
Candidate Starts for Chomp_222:
(Start: 1 @126129 has 34 MA's), (Start: 2 @126141 has 4 MA's), (Start: 3 @126150 has 1 MA's), (4, 126330), (5, 126588), (6, 126591), (7, 126684), (8, 126699), (9, 126765), (10, 126768),

Gene: DTDevon_224 Start: 126890, Stop: 127573, Start Num: 2
Candidate Starts for DTDevon_224:
(Start: 1 @126878 has 34 MA's), (Start: 2 @126890 has 4 MA's), (Start: 3 @126899 has 1 MA's), (4, 127079), (5, 127337), (6, 127340), (7, 127433), (8, 127448), (9, 127514), (10, 127517),

Gene: Derek_219 Start: 125406, Stop: 126101, Start Num: 1
Candidate Starts for Derek_219:
(Start: 1 @125406 has 34 MA's), (Start: 2 @125418 has 4 MA's), (Start: 3 @125427 has 1 MA's), (4, 125607), (5, 125865), (6, 125868), (7, 125961), (8, 125976), (9, 126042), (10, 126045),

Gene: Dessert_222 Start: 124406, Stop: 125101, Start Num: 1
Candidate Starts for Dessert_222:
(Start: 1 @124406 has 34 MA's), (Start: 2 @124418 has 4 MA's), (Start: 3 @124427 has 1 MA's), (4, 124607), (5, 124865), (6, 124868), (7, 124961), (8, 124976), (9, 125042), (10, 125045),

Gene: EmmaElysia_226 Start: 126285, Stop: 126980, Start Num: 1
Candidate Starts for EmmaElysia_226:
(Start: 1 @126285 has 34 MA's), (Start: 2 @126297 has 4 MA's), (Start: 3 @126306 has 1 MA's), (4, 126486), (5, 126744), (6, 126747), (7, 126840), (8, 126855), (9, 126921), (10, 126924),

Gene: Essence_219 Start: 124735, Stop: 125430, Start Num: 1
Candidate Starts for Essence_219:
(Start: 1 @124735 has 34 MA's), (Start: 2 @124747 has 4 MA's), (Start: 3 @124756 has 1 MA's), (4, 124936), (5, 125194), (6, 125197), (7, 125290), (8, 125305), (9, 125371), (10, 125374),

Gene: Fixie_213 Start: 125515, Stop: 126210, Start Num: 1
Candidate Starts for Fixie_213:
(Start: 1 @125515 has 34 MA's), (Start: 3 @125536 has 1 MA's), (4, 125716), (5, 125974), (6, 125977), (7, 126070), (8, 126085), (9, 126151), (10, 126154),

Gene: Ghost_222 Start: 124763, Stop: 125446, Start Num: 2
Candidate Starts for Ghost_222:
(Start: 1 @124751 has 34 MA's), (Start: 2 @124763 has 4 MA's), (Start: 3 @124772 has 1 MA's), (4, 124952), (5, 125210), (6, 125213), (7, 125306), (8, 125321), (9, 125387), (10, 125390),

Gene: Guwapp_217 Start: 123585, Stop: 124280, Start Num: 1
Candidate Starts for Guwapp_217:
(Start: 1 @123585 has 34 MA's), (Start: 2 @123597 has 4 MA's), (Start: 3 @123606 has 1 MA's), (4, 123786), (5, 124044), (6, 124047), (7, 124140), (8, 124155), (9, 124221), (10, 124224),

Gene: HyRo_210 Start: 124092, Stop: 124787, Start Num: 1
Candidate Starts for HyRo_210:
(Start: 1 @124092 has 34 MA's), (Start: 3 @124113 has 1 MA's), (4, 124293), (5, 124551), (6, 124554), (7, 124647), (8, 124662), (9, 124728), (10, 124731),

Gene: IkeLoa_214 Start: 124483, Stop: 125178, Start Num: 1
Candidate Starts for IkeLoa_214:
(Start: 1 @124483 has 34 MA's), (Start: 3 @124504 has 1 MA's), (4, 124684), (5, 124942), (6, 124945), (7, 125038), (8, 125053), (9, 125119), (10, 125122),

Gene: JPickles_218 Start: 123489, Stop: 124184, Start Num: 1
Candidate Starts for JPickles_218:
(Start: 1 @123489 has 34 MA's), (Start: 2 @123501 has 4 MA's), (Start: 3 @123510 has 1 MA's), (4, 123690), (5, 123948), (6, 123951), (7, 124044), (8, 124059), (9, 124125), (10, 124128),

Gene: Jaygup_218 Start: 124550, Stop: 125245, Start Num: 1
Candidate Starts for Jaygup_218:
(Start: 1 @124550 has 34 MA's), (Start: 2 @124562 has 4 MA's), (Start: 3 @124571 has 1 MA's), (4, 124751), (5, 125009), (6, 125012), (7, 125105), (8, 125120), (9, 125186), (10, 125189),

Gene: Jedediah_222 Start: 125603, Stop: 126298, Start Num: 1
Candidate Starts for Jedediah_222:
(Start: 1 @125603 has 34 MA's), (Start: 2 @125615 has 4 MA's), (Start: 3 @125624 has 1 MA's), (4, 125804), (5, 126062), (6, 126065), (7, 126158), (8, 126173), (9, 126239), (10, 126242),

Gene: Labradorite_222 Start: 124041, Stop: 124736, Start Num: 1
Candidate Starts for Labradorite_222:
(Start: 1 @124041 has 34 MA's), (Start: 2 @124053 has 4 MA's), (Start: 3 @124062 has 1 MA's), (4, 124242), (5, 124500), (6, 124503), (7, 124596), (8, 124611), (9, 124677), (10, 124680),

Gene: LifeSavor_221 Start: 125365, Stop: 126060, Start Num: 1
Candidate Starts for LifeSavor_221:

(Start: 1 @125365 has 34 MA's), (Start: 2 @125377 has 4 MA's), (Start: 3 @125386 has 1 MA's), (4, 125566), (5, 125824), (6, 125827), (7, 125920), (8, 125935), (9, 126001), (10, 126004),

Gene: McGee_221 Start: 124476, Stop: 125171, Start Num: 1
Candidate Starts for McGee_221:
(Start: 1 @124476 has 34 MA's), (Start: 3 @124497 has 1 MA's), (4, 124677), (5, 124935), (6, 124938), (7, 125031), (8, 125046), (9, 125112), (10, 125115),

Gene: Ngannou_219 Start: 123822, Stop: 124517, Start Num: 1
Candidate Starts for Ngannou_219:
(Start: 1 @123822 has 34 MA's), (Start: 2 @123834 has 4 MA's), (Start: 3 @123843 has 1 MA's), (4, 124023), (5, 124281), (6, 124284), (7, 124377), (8, 124392), (9, 124458), (10, 124461),

Gene: Patter_223 Start: 124854, Stop: 125549, Start Num: 1
Candidate Starts for Patter_223:
(Start: 1 @124854 has 34 MA's), (Start: 2 @124866 has 4 MA's), (Start: 3 @124875 has 1 MA's), (4, 125055), (5, 125313), (6, 125316), (7, 125409), (8, 125424), (9, 125490), (10, 125493),

Gene: Phusco_220 Start: 124375, Stop: 125070, Start Num: 1
Candidate Starts for Phusco_220:
(Start: 1 @124375 has 34 MA's), (Start: 2 @124387 has 4 MA's), (Start: 3 @124396 has 1 MA's), (4, 124576), (5, 124834), (6, 124837), (7, 124930), (8, 124945), (9, 125011), (10, 125014),

Gene: Quasimodo_224 Start: 125176, Stop: 125871, Start Num: 1
Candidate Starts for Quasimodo_224:
(Start: 1 @125176 has 34 MA's), (Start: 2 @125188 has 4 MA's), (Start: 3 @125197 has 1 MA's), (4, 125377), (5, 125635), (6, 125638), (7, 125731), (8, 125746), (9, 125812), (10, 125815),

Gene: Rahel_223 Start: 125278, Stop: 125973, Start Num: 1
Candidate Starts for Rahel_223:
(Start: 1 @125278 has 34 MA's), (Start: 2 @125290 has 4 MA's), (Start: 3 @125299 has 1 MA's), (4, 125479), (5, 125737), (6, 125740), (7, 125833), (8, 125848), (9, 125914), (10, 125917),

Gene: Salacia_222 Start: 125681, Stop: 126376, Start Num: 1
Candidate Starts for Salacia_222:
(Start: 1 @125681 has 34 MA's), (Start: 2 @125693 has 4 MA's), (Start: 3 @125702 has 1 MA's), (4, 125882), (5, 126140), (6, 126143), (7, 126236), (8, 126251), (9, 126317), (10, 126320),

Gene: Sauce_218 Start: 124492, Stop: 125187, Start Num: 1
Candidate Starts for Sauce_218:
(Start: 1 @124492 has 34 MA's), (Start: 2 @124504 has 4 MA's), (Start: 3 @124513 has 1 MA's), (4, 124693), (5, 124951), (6, 124954), (7, 125047), (8, 125062), (9, 125128), (10, 125131),

Gene: Shifa_199 Start: 124061, Stop: 124756, Start Num: 1
Candidate Starts for Shifa_199:
(Start: 1 @124061 has 34 MA's), (Start: 3 @124082 has 1 MA's), (4, 124262), (5, 124520), (6, 124523), (7, 124616), (8, 124631), (9, 124697), (10, 124700),

Gene: Shnickers_220 Start: 124550, Stop: 125245, Start Num: 1
Candidate Starts for Shnickers_220:
(Start: 1 @124550 has 34 MA's), (Start: 2 @124562 has 4 MA's), (Start: 3 @124571 has 1 MA's), (4, 124751), (5, 125009), (6, 125012), (7, 125105), (8, 125120), (9, 125186), (10, 125189),

Gene: SmallFry_222 Start: 124644, Stop: 125339, Start Num: 1
Candidate Starts for SmallFry_222:
(Start: 1 @124644 has 34 MA's), (Start: 2 @124656 has 4 MA's), (Start: 3 @124665 has 1 MA's), (4, 124845), (5, 125103), (6, 125106), (7, 125199), (8, 125214), (9, 125280), (10, 125283),

Gene: Spec_216 Start: 124823, Stop: 125518, Start Num: 1
Candidate Starts for Spec_216:
(Start: 1 @124823 has 34 MA's), (Start: 2 @124835 has 4 MA's), (Start: 3 @124844 has 1 MA's), (4, 125024), (5, 125282), (6, 125285), (7, 125378), (8, 125393), (9, 125459), (10, 125462),

Gene: Teardrop_219 Start: 124146, Stop: 124841, Start Num: 1
Candidate Starts for Teardrop_219:
(Start: 1 @124146 has 34 MA's), (Start: 2 @124158 has 4 MA's), (Start: 3 @124167 has 1 MA's), (4, 124347), (5, 124605), (6, 124608), (7, 124701), (8, 124716), (9, 124782), (10, 124785),

Gene: Tyke_220 Start: 126768, Stop: 127451, Start Num: 2
Candidate Starts for Tyke_220:
(Start: 1 @126756 has 34 MA's), (Start: 2 @126768 has 4 MA's), (Start: 3 @126777 has 1 MA's), (4, 126957), (5, 127215), (6, 127218), (7, 127311), (8, 127326), (9, 127392), (10, 127395),

Gene: YoungMoneyMata_221 Start: 125308, Stop: 126003, Start Num: 1
Candidate Starts for YoungMoneyMata_221:
(Start: 1 @125308 has 34 MA's), (Start: 2 @125320 has 4 MA's), (Start: 3 @125329 has 1 MA's), (4, 125509), (5, 125767), (6, 125770), (7, 125863), (8, 125878), (9, 125944), (10, 125947),