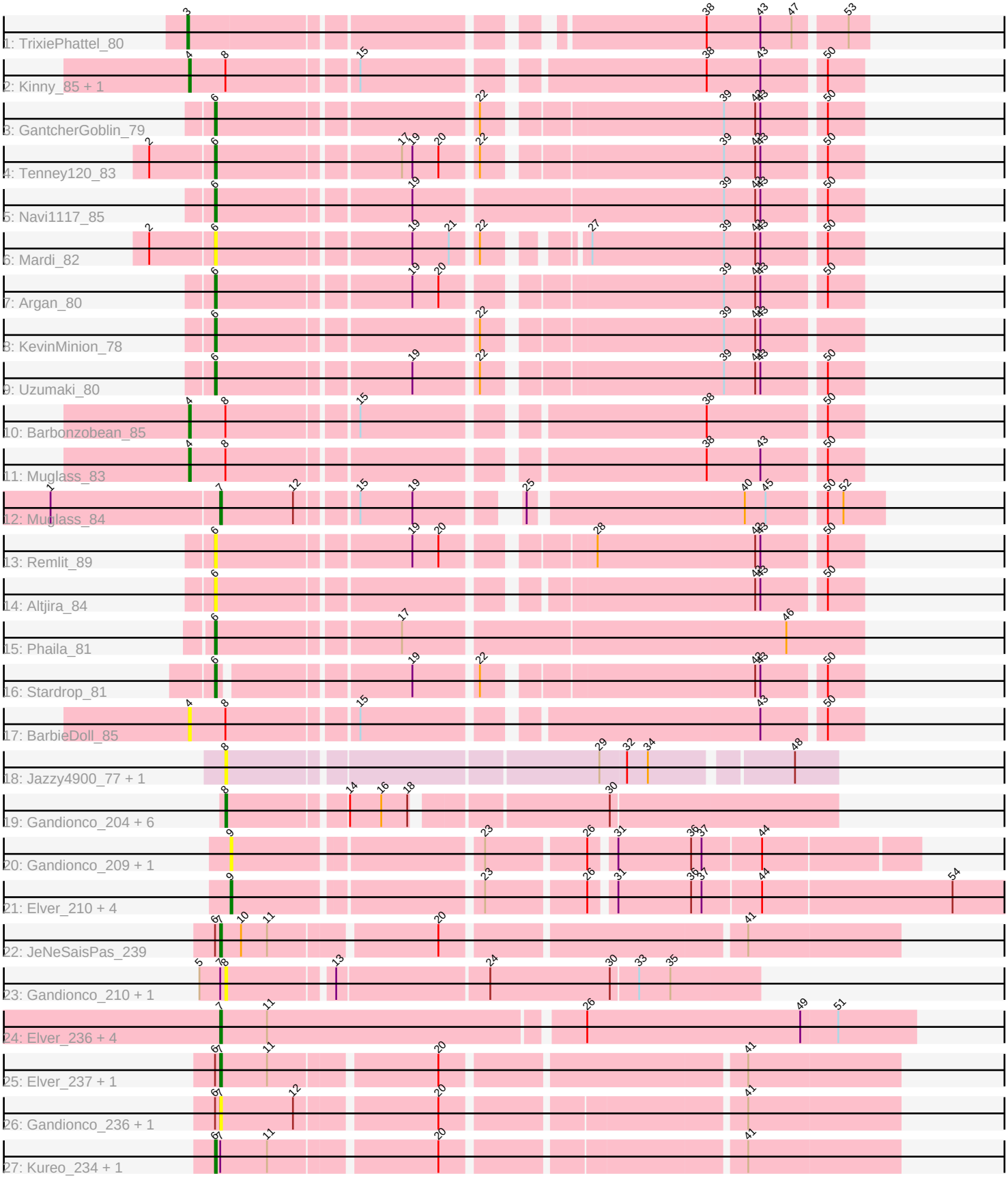
Pham 347735


1: TrixiePhattel_80
2: Kinny_85 + 1
3: GantcherGoblin_79
4: Tenney120_83
5: Navi1117_85
6: Mardi_82
7: Argan_80
8: KevinMinion_78
9: Uzumaki_80
10: Barbonzobean_85
11: Muglass_83
12: Muglass_84
13: Remlit_89
14: Altjira_84
15: Phaila_81
16: Stardrop_81
17: BarbieDoll_85
18: Jazzy4900_77 + 1
19: Gandionco_204 + 6
20: Gandionco_209 + 1
21: Elver_210 + 4
22: JeNeSaisPas_239
23: Gandionco_210 + 1
24: Elver_236 + 4
25: Elver_237 + 1
26: Gandionco_236 + 1
27: Kureo_234 + 1

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 347735 Report

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

Pham number 347735 has 48 members, 18 are drafts.

Phages represented in each track:
• Track 1 : TrixiePhattel_80
• Track 2 : Kinny_85, Biscute_82
• Track 3 : GantcherGoblin_79
• Track 4 : Tenney120_83
• Track 5 : Navi1117_85
• Track 6 : Mardi_82
• Track 7 : Argan_80
• Track 8 : KevinMinion_78
• Track 9 : Uzumaki_80
• Track 10 : Barbonzobean_85
• Track 11 : Muglass_83
• Track 12 : Muglass_84
• Track 13 : Remlit_89
• Track 14 : Altjira_84
• Track 15 : Phaila_81
• Track 16 : Stardrop_81
• Track 17 : BarbieDoll_85
• Track 18 : Jazzy4900_77, Sunny4976_76
• Track 19 : Gandionco_204, Elver_205, Qui_206, Kureo_202, Paella_206, Marianna39_204, JeNeSaisPas_207
• Track 20 : Gandionco_209, Marianna39_209
• Track 21 : Elver_210, Kureo_207, JeNeSaisPas_212, Qui_211, Paella_211
• Track 22 : JeNeSaisPas_239
• Track 23 : Gandionco_210, Marianna39_210
• Track 24 : Elver_236, Kureo_233, Qui_237, Paella_238, JeNeSaisPas_238
• Track 25 : Elver_237, Paella_239
• Track 26 : Gandionco_236, Marianna39_236
• Track 27 : Kureo_234, Qui_238

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altjira_84, Argan_80, GantcherGoblin_79, KevinMinion_78, Kureo_234, Mardi_82, Navi1117_85, Phaila_81, Qui_238, Remlit_89, Stardrop_81, Tenney120_83, Uzumaki_80,

Genes that have the "Most Annotated" start but do not call it:
• Elver_237, Gandionco_236, JeNeSaisPas_239, Marianna39_236, Paella_239,

Genes that do not have the "Most Annotated" start:
• BarbieDoll_85, Barbonzobean_85, Biscute_82, Elver_205, Elver_210, Elver_236, Gandionco_204, Gandionco_209, Gandionco_210, Jazzy4900_77, JeNeSaisPas_207, JeNeSaisPas_212, JeNeSaisPas_238, Kinny_85, Kureo_202, Kureo_207, Kureo_233, Marianna39_204, Marianna39_209, Marianna39_210, Muglass_83, Muglass_84, Paella_206, Paella_211, Paella_238, Qui_206, Qui_211, Qui_237, Sunny4976_76, TrixiePhattel_80,

Summary by start number:

Start 3:
• Found in 1 of 48 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TrixiePhattel_80 (AU6),

Start 4:
• Found in 5 of 48 (10.4%) of genes in pham
• Manual Annotations of this start: 4 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_85 (AU6), Barbonzobean_85 (AU6), Biscute_82 (AU6), Kinny_85 (AU6), Muglass_83 (AU6),

Start 6:
• Found in 18 of 48 (37.5%) of genes in pham
• Manual Annotations of this start: 9 of 30
• Called 72.2% of time when present
• Phage (with cluster) where this start called: Altjira_84 (AU6), Argan_80 (AU6), GantcherGoblin_79 (AU6), KevinMinion_78 (AU6), Kureo_234 (FK), Mardi_82 (AU6), Navi1117_85 (AU6), Phaila_81 (AU6), Qui_238 (FK), Remlit_89 (AU6), Stardrop_81 (AU6), Tenney120_83 (AU6), Uzumaki_80 (AU6),

Start 7:
• Found in 15 of 48 (31.2%) of genes in pham
• Manual Annotations of this start: 8 of 30
• Called 73.3% of time when present
• Phage (with cluster) where this start called: Elver_236 (FK), Elver_237 (FK), Gandionco_236 (FK), JeNeSaisPas_238 (FK), JeNeSaisPas_239 (FK), Kureo_233 (FK), Marianna39_236 (FK), Muglass_84 (AU6), Paella_238 (FK), Paella_239 (FK), Qui_237 (FK),

Start 8:
• Found in 16 of 48 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 30
• Called 68.8% of time when present

• Phage (with cluster) where this start called: Elver_205 (FK), Gandionco_204 (FK), Gandionco_210 (FK), Jazzy4900_77 (FI), JeNeSaisPas_207 (FK), Kureo_202 (FK), Marianna39_204 (FK), Marianna39_210 (FK), Paella_206 (FK), Qui_206 (FK), Sunny4976_76 (FI),

Start 9:
• Found in 7 of 48 (14.6%) of genes in pham
• Manual Annotations of this start: 4 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_210 (FK), Gandionco_209 (FK), JeNeSaisPas_212 (FK), Kureo_207 (FK), Marianna39_209 (FK), Paella_211 (FK), Qui_211 (FK),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 3 was manually annotated 1 time for cluster AU6.
•Start number 4 was manually annotated 4 times for cluster AU6.
•Start number 6 was manually annotated 8 times for cluster AU6.
•Start number 7 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster FK:
•Start number 6 was manually annotated 1 time for cluster FK.
•Start number 7 was manually annotated 7 times for cluster FK.
•Start number 8 was manually annotated 4 times for cluster FK.
•Start number 9 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: Altjira_84 Start: 49564, Stop: 49899, Start Num: 6
Candidate Starts for Altjira_84:
(Start: 6 @49564 has 9 MA's), (42, 49843), (43, 49846), (50, 49879),

Gene: Argan_80 Start: 48128, Stop: 48466, Start Num: 6
Candidate Starts for Argan_80:
(Start: 6 @48128 has 9 MA's), (19, 48233), (20, 48248), (39, 48392), (42, 48410), (43, 48413), (50, 48446),

Gene: BarbieDoll_85 Start: 49719, Stop: 50072, Start Num: 4
Candidate Starts for BarbieDoll_85:
(Start: 4 @49719 has 4 MA's), (Start: 8 @49740 has 4 MA's), (15, 49809), (43, 50019), (50, 50052),

Gene: Barbonzobean_85 Start: 50236, Stop: 50589, Start Num: 4
Candidate Starts for Barbonzobean_85:
(Start: 4 @50236 has 4 MA's), (Start: 8 @50257 has 4 MA's), (15, 50326), (38, 50506), (50, 50569),

Gene: Biscute_82 Start: 49573, Stop: 49926, Start Num: 4
Candidate Starts for Biscute_82:

(Start: 4 @49573 has 4 MA's), (Start: 8 @49594 has 4 MA's), (15, 49663), (38, 49843), (43, 49873), (50, 49906),

Gene: Elver_205 Start: 96253, Stop: 96579, Start Num: 8
Candidate Starts for Elver_205:
(Start: 8 @96253 has 4 MA's), (14, 96316), (16, 96334), (18, 96349), (30, 96451),

Gene: Elver_210 Start: 97528, Stop: 97950, Start Num: 9
Candidate Starts for Elver_210:
(Start: 9 @97528 has 4 MA's), (23, 97660), (26, 97714), (31, 97726), (36, 97768), (37, 97774), (44, 97807), (54, 97915),

Gene: Elver_236 Start: 105877, Stop: 106266, Start Num: 7
Candidate Starts for Elver_236:
(Start: 7 @105877 has 8 MA's), (11, 105904), (26, 106078), (49, 106201), (51, 106222),

Gene: Elver_237 Start: 106266, Stop: 106631, Start Num: 7
Candidate Starts for Elver_237:
(Start: 6 @106263 has 9 MA's), (Start: 7 @106266 has 8 MA's), (11, 106293), (20, 106383), (41, 106545),

Gene: Gandionco_204 Start: 95814, Stop: 96140, Start Num: 8
Candidate Starts for Gandionco_204:
(Start: 8 @95814 has 4 MA's), (14, 95877), (16, 95895), (18, 95910), (30, 96012),

Gene: Gandionco_209 Start: 97089, Stop: 97454, Start Num: 9
Candidate Starts for Gandionco_209:
(Start: 9 @97089 has 4 MA's), (23, 97221), (26, 97275), (31, 97287), (36, 97329), (37, 97335), (44, 97368),

Gene: Gandionco_210 Start: 97441, Stop: 97734, Start Num: 8
Candidate Starts for Gandionco_210:
(5, 97426), (Start: 7 @97438 has 8 MA's), (Start: 8 @97441 has 4 MA's), (13, 97498), (24, 97582), (30, 97651), (33, 97666), (35, 97684),

Gene: Gandionco_236 Start: 105627, Stop: 105989, Start Num: 7
Candidate Starts for Gandionco_236:
(Start: 6 @105624 has 9 MA's), (Start: 7 @105627 has 8 MA's), (12, 105669), (20, 105744), (41, 105903),

Gene: GantcherGoblin_79 Start: 48289, Stop: 48627, Start Num: 6
Candidate Starts for GantcherGoblin_79:
(Start: 6 @48289 has 9 MA's), (22, 48427), (39, 48553), (42, 48571), (43, 48574), (50, 48607),

Gene: Jazzy4900_77 Start: 50275, Stop: 50601, Start Num: 8
Candidate Starts for Jazzy4900_77:
(Start: 8 @50275 has 4 MA's), (29, 50476), (32, 50491), (34, 50503), (48, 50578),

Gene: JeNeSaisPas_212 Start: 97649, Stop: 98071, Start Num: 9
Candidate Starts for JeNeSaisPas_212:
(Start: 9 @97649 has 4 MA's), (23, 97781), (26, 97835), (31, 97847), (36, 97889), (37, 97895), (44, 97928), (54, 98036),

Gene: JeNeSaisPas_239 Start: 106023, Stop: 106388, Start Num: 7
Candidate Starts for JeNeSaisPas_239:
(Start: 6 @106020 has 9 MA's), (Start: 7 @106023 has 8 MA's), (10, 106035), (11, 106050), (20, 106140), (41, 106302),

Gene: JeNeSaisPas_207 Start: 96374, Stop: 96700, Start Num: 8
Candidate Starts for JeNeSaisPas_207:
(Start: 8 @96374 has 4 MA's), (14, 96437), (16, 96455), (18, 96470), (30, 96572),

Gene: JeNeSaisPas_238 Start: 105634, Stop: 106023, Start Num: 7
Candidate Starts for JeNeSaisPas_238:
(Start: 7 @105634 has 8 MA's), (11, 105661), (26, 105835), (49, 105958), (51, 105979),

Gene: KevinMinion_78 Start: 49079, Stop: 49417, Start Num: 6
Candidate Starts for KevinMinion_78:
(Start: 6 @49079 has 9 MA's), (22, 49217), (39, 49343), (42, 49361), (43, 49364),

Gene: Kinny_85 Start: 50400, Stop: 50753, Start Num: 4
Candidate Starts for Kinny_85:
(Start: 4 @50400 has 4 MA's), (Start: 8 @50421 has 4 MA's), (15, 50490), (38, 50670), (43, 50700), (50, 50733),

Gene: Kureo_202 Start: 94918, Stop: 95244, Start Num: 8
Candidate Starts for Kureo_202:
(Start: 8 @94918 has 4 MA's), (14, 94981), (16, 94999), (18, 95014), (30, 95116),

Gene: Kureo_207 Start: 96193, Stop: 96615, Start Num: 9
Candidate Starts for Kureo_207:
(Start: 9 @96193 has 4 MA's), (23, 96325), (26, 96379), (31, 96391), (36, 96433), (37, 96439), (44, 96472), (54, 96580),

Gene: Kureo_233 Start: 104215, Stop: 104604, Start Num: 7
Candidate Starts for Kureo_233:
(Start: 7 @104215 has 8 MA's), (11, 104242), (26, 104416), (49, 104539), (51, 104560),

Gene: Kureo_234 Start: 104601, Stop: 104966, Start Num: 6
Candidate Starts for Kureo_234:
(Start: 6 @104601 has 9 MA's), (Start: 7 @104604 has 8 MA's), (11, 104631), (20, 104721), (41, 104880),

Gene: Mardi_82 Start: 48943, Stop: 49272, Start Num: 6
Candidate Starts for Mardi_82:
(2, 48907), (Start: 6 @48943 has 9 MA's), (19, 49048), (21, 49069), (22, 49081), (27, 49123), (39, 49198), (42, 49216), (43, 49219), (50, 49252),

Gene: Marianna39_209 Start: 97692, Stop: 98057, Start Num: 9
Candidate Starts for Marianna39_209:
(Start: 9 @97692 has 4 MA's), (23, 97824), (26, 97878), (31, 97890), (36, 97932), (37, 97938), (44, 97971),

Gene: Marianna39_204 Start: 96417, Stop: 96743, Start Num: 8
Candidate Starts for Marianna39_204:
(Start: 8 @96417 has 4 MA's), (14, 96480), (16, 96498), (18, 96513), (30, 96615),

Gene: Marianna39_236 Start: 106230, Stop: 106592, Start Num: 7
Candidate Starts for Marianna39_236:
(Start: 6 @106227 has 9 MA's), (Start: 7 @106230 has 8 MA's), (12, 106272), (20, 106347), (41, 106506),

Gene: Marianna39_210 Start: 98044, Stop: 98337, Start Num: 8
Candidate Starts for Marianna39_210:
(5, 98029), (Start: 7 @98041 has 8 MA's), (Start: 8 @98044 has 4 MA's), (13, 98101), (24, 98185), (30, 98254), (33, 98269), (35, 98287),

Gene: Muglass_83 Start: 49477, Stop: 49830, Start Num: 4
Candidate Starts for Muglass_83:
(Start: 4 @49477 has 4 MA's), (Start: 8 @49498 has 4 MA's), (38, 49747), (43, 49777), (50, 49810),

Gene: Muglass_84 Start: 49827, Stop: 50165, Start Num: 7
Candidate Starts for Muglass_84:
(1, 49731), (Start: 7 @49827 has 8 MA's), (12, 49869), (15, 49899), (19, 49929), (25, 49974), (40, 50091), (45, 50103), (50, 50133), (52, 50142),

Gene: Navi1117_85 Start: 49835, Stop: 50185, Start Num: 6
Candidate Starts for Navi1117_85:
(Start: 6 @49835 has 9 MA's), (19, 49940), (39, 50111), (42, 50129), (43, 50132), (50, 50165),

Gene: Paella_206 Start: 97138, Stop: 97464, Start Num: 8
Candidate Starts for Paella_206:
(Start: 8 @97138 has 4 MA's), (14, 97201), (16, 97219), (18, 97234), (30, 97336),

Gene: Paella_238 Start: 107014, Stop: 107403, Start Num: 7
Candidate Starts for Paella_238:
(Start: 7 @107014 has 8 MA's), (11, 107041), (26, 107215), (49, 107338), (51, 107359),

Gene: Paella_239 Start: 107403, Stop: 107768, Start Num: 7
Candidate Starts for Paella_239:
(Start: 6 @107400 has 9 MA's), (Start: 7 @107403 has 8 MA's), (11, 107430), (20, 107520), (41, 107682),

Gene: Paella_211 Start: 98413, Stop: 98835, Start Num: 9
Candidate Starts for Paella_211:
(Start: 9 @98413 has 4 MA's), (23, 98545), (26, 98599), (31, 98611), (36, 98653), (37, 98659), (44, 98692), (54, 98800),

Gene: Phaila_81 Start: 48308, Stop: 48664, Start Num: 6
Candidate Starts for Phaila_81:
(Start: 6 @48308 has 9 MA's), (17, 48407), (46, 48620),

Gene: Qui_206 Start: 97126, Stop: 97452, Start Num: 8
Candidate Starts for Qui_206:
(Start: 8 @97126 has 4 MA's), (14, 97189), (16, 97207), (18, 97222), (30, 97324),

Gene: Qui_211 Start: 98401, Stop: 98823, Start Num: 9
Candidate Starts for Qui_211:

(Start: 9 @98401 has 4 MA's), (23, 98533), (26, 98587), (31, 98599), (36, 98641), (37, 98647), (44, 98680), (54, 98788),

Gene: Qui_237 Start: 107002, Stop: 107391, Start Num: 7
Candidate Starts for Qui_237:
(Start: 7 @107002 has 8 MA's), (11, 107029), (26, 107203), (49, 107326), (51, 107347),

Gene: Qui_238 Start: 107388, Stop: 107756, Start Num: 6
Candidate Starts for Qui_238:
(Start: 6 @107388 has 9 MA's), (Start: 7 @107391 has 8 MA's), (11, 107418), (20, 107508), (41, 107670),

Gene: Remlit_89 Start: 49231, Stop: 49569, Start Num: 6
Candidate Starts for Remlit_89:
(Start: 6 @49231 has 9 MA's), (19, 49336), (20, 49351), (28, 49423), (42, 49513), (43, 49516), (50, 49549),

Gene: Stardrop_81 Start: 49241, Stop: 49573, Start Num: 6
Candidate Starts for Stardrop_81:
(Start: 6 @49241 has 9 MA's), (19, 49340), (22, 49373), (42, 49517), (43, 49520), (50, 49553),

Gene: Sunny4976_76 Start: 50275, Stop: 50601, Start Num: 8
Candidate Starts for Sunny4976_76:
(Start: 8 @50275 has 4 MA's), (29, 50476), (32, 50491), (34, 50503), (48, 50578),

Gene: Tenney120_83 Start: 49338, Stop: 49676, Start Num: 6
Candidate Starts for Tenney120_83:
(2, 49302), (Start: 6 @49338 has 9 MA's), (17, 49437), (19, 49443), (20, 49458), (22, 49476), (39, 49602), (42, 49620), (43, 49623), (50, 49656),

Gene: TrixiePhattel_80 Start: 47618, Stop: 47965, Start Num: 3
Candidate Starts for TrixiePhattel_80:
(Start: 3 @47618 has 1 MA's), (38, 47879), (43, 47909), (47, 47927), (53, 47954),

Gene: Uzumaki_80 Start: 48257, Stop: 48595, Start Num: 6
Candidate Starts for Uzumaki_80:
(Start: 6 @48257 has 9 MA's), (19, 48362), (22, 48395), (39, 48521), (42, 48539), (43, 48542), (50, 48575),