Pham 347982


1: Westy_221 + 5
2: Jada_219 + 4
3: Annadreamy_204 + 1
4: Kenrey_223 + 1
5: Francob_222
6: Faust_214 + 1
7: Beuffert_212
8: MeganTheeKilla_222
9: Blueeyedbeauty_213
10: TunaTartare_217 + 1
11: Forrest_220

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 347982 Report

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

Pham number 347982 has 24 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Westy_221, Belfort_217, Comrade_214, SparkleGoddess_217, Stigma_216, Karp_213
• Track 2 : Jada_219, Gilson_217, Emma1919_220, DeluluLabubu_222, Maupel_220
• Track 3 : Annadreamy_204, Limpid_211
• Track 4 : Kenrey_223, Phredrick_222
• Track 5 : Francob_222
• Track 6 : Faust_214, SeresaTree_218
• Track 7 : Beuffert_212
• Track 8 : MeganTheeKilla_222
• Track 9 : Blueeyedbeauty_213
• Track 10 : TunaTartare_217, Sham_209
• Track 11 : Forrest_220

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

The start number called the most often in the published annotations is 8, it was called in 18 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_217, Comrade_214, DeluluLabubu_222, Emma1919_220, Faust_214, Forrest_220, Francob_222, Gilson_217, Jada_219, Karp_213, Kenrey_223, Maupel_220, MeganTheeKilla_222, Phredrick_222, SeresaTree_218, Sham_209, SparkleGoddess_217, Stigma_216, TunaTartare_217, Westy_221,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Annadreamy_204, Beuffert_212, Blueeyedbeauty_213, Limpid_211,

Summary by start number:

Start 7:
• Found in 3 of 24 (12.5%) of genes in pham

• Manual Annotations of this start: 3 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_204 (BK1), Beuffert_212 (BK1), Limpid_211 (BK1),

Start 8:
• Found in 20 of 24 (83.3%) of genes in pham
• Manual Annotations of this start: 18 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_217 (BK1), Comrade_214 (BK1), DeluluLabubu_222 (BK1), Emma1919_220 (BK1), Faust_214 (BK1), Forrest_220 (BK1), Francob_222 (BK1), Gilson_217 (BK1), Jada_219 (BK1), Karp_213 (BK1), Kenrey_223 (BK1), Maupel_220 (BK1), MeganTheeKilla_222 (BK1), Phredrick_222 (BK1), SeresaTree_218 (BK1), Sham_209 (BK1), SparkleGoddess_217 (BK1), Stigma_216 (BK1), TunaTartare_217 (BK1), Westy_221 (BK1),

Start 9:
• Found in 4 of 24 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Blueeyedbeauty_213 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 3 times for cluster BK1.
•Start number 8 was manually annotated 18 times for cluster BK1.
•Start number 9 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_204 Start: 103010, Stop: 103345, Start Num: 7
Candidate Starts for Annadreamy_204:
(3, 102968), (Start: 7 @103010 has 3 MA's), (Start: 9 @103022 has 1 MA's), (12, 103100), (14, 103115), (18, 103178), (19, 103181), (20, 103214), (21, 103217), (23, 103256), (25, 103271), (31, 103331),

Gene: Belfort_217 Start: 107650, Stop: 107973, Start Num: 8
Candidate Starts for Belfort_217:
(1, 107602), (Start: 8 @107650 has 18 MA's), (13, 107740), (16, 107764), (21, 107845), (24, 107890), (26, 107902), (27, 107926), (28, 107932), (30, 107950),

Gene: Beuffert_212 Start: 107182, Stop: 107517, Start Num: 7
Candidate Starts for Beuffert_212:
(Start: 7 @107182 has 3 MA's), (Start: 9 @107194 has 1 MA's), (12, 107272), (14, 107287), (18, 107350), (19, 107353), (20, 107386), (21, 107389), (23, 107428), (25, 107443), (31, 107503),

Gene: Blueeyedbeauty_213 Start: 106736, Stop: 107053, Start Num: 9
Candidate Starts for Blueeyedbeauty_213:

(Start: 9 @106736 has 1 MA's), (10, 106757), (12, 106808), (14, 106823), (17, 106865), (18, 106886), (19, 106889), (20, 106922), (21, 106925), (23, 106964), (25, 106979), (31, 107039),

Gene: Comrade_214 Start: 107850, Stop: 108173, Start Num: 8
Candidate Starts for Comrade_214:
(1, 107802), (Start: 8 @107850 has 18 MA's), (13, 107940), (16, 107964), (21, 108045), (24, 108090), (26, 108102), (27, 108126), (28, 108132), (30, 108150),

Gene: DeluluLabubu_222 Start: 107891, Stop: 108211, Start Num: 8
Candidate Starts for DeluluLabubu_222:
(4, 107849), (6, 107885), (Start: 8 @107891 has 18 MA's), (11, 107930), (19, 108047), (21, 108083), (26, 108140), (27, 108164),

Gene: Emma1919_220 Start: 106413, Stop: 106733, Start Num: 8
Candidate Starts for Emma1919_220:
(4, 106371), (6, 106407), (Start: 8 @106413 has 18 MA's), (11, 106452), (19, 106569), (21, 106605), (26, 106662), (27, 106686),

Gene: Faust_214 Start: 108369, Stop: 108695, Start Num: 8
Candidate Starts for Faust_214:
(Start: 8 @108369 has 18 MA's), (18, 108522), (21, 108561), (22, 108567), (27, 108645), (29, 108660),

Gene: Forrest_220 Start: 107378, Stop: 107698, Start Num: 8
Candidate Starts for Forrest_220:
(6, 107372), (Start: 8 @107378 has 18 MA's), (16, 107489), (19, 107534), (21, 107570), (26, 107627), (27, 107651),

Gene: Francob_222 Start: 107425, Stop: 107748, Start Num: 8
Candidate Starts for Francob_222:
(Start: 8 @107425 has 18 MA's), (18, 107581), (21, 107620), (26, 107677), (27, 107701), (30, 107725),

Gene: Gilson_217 Start: 105939, Stop: 106259, Start Num: 8
Candidate Starts for Gilson_217:
(4, 105897), (6, 105933), (Start: 8 @105939 has 18 MA's), (11, 105978), (19, 106095), (21, 106131), (26, 106188), (27, 106212),

Gene: Jada_219 Start: 106615, Stop: 106935, Start Num: 8
Candidate Starts for Jada_219:
(4, 106573), (6, 106609), (Start: 8 @106615 has 18 MA's), (11, 106654), (19, 106771), (21, 106807), (26, 106864), (27, 106888),

Gene: Karp_213 Start: 108017, Stop: 108340, Start Num: 8
Candidate Starts for Karp_213:
(1, 107969), (Start: 8 @108017 has 18 MA's), (13, 108107), (16, 108131), (21, 108212), (24, 108257), (26, 108269), (27, 108293), (28, 108299), (30, 108317),

Gene: Kenrey_223 Start: 107160, Stop: 107480, Start Num: 8
Candidate Starts for Kenrey_223:
(2, 107112), (4, 107118), (6, 107154), (Start: 8 @107160 has 18 MA's), (19, 107316), (21, 107352), (26, 107409), (27, 107433),

Gene: Limpid_211 Start: 108323, Stop: 108658, Start Num: 7
Candidate Starts for Limpid_211:

(3, 108281), (Start: 7 @108323 has 3 MA's), (Start: 9 @108335 has 1 MA's), (12, 108413), (14, 108428), (18, 108491), (19, 108494), (20, 108527), (21, 108530), (23, 108569), (25, 108584), (31, 108644),

Gene: Maupel_220 Start: 105939, Stop: 106259, Start Num: 8
Candidate Starts for Maupel_220:
(4, 105897), (6, 105933), (Start: 8 @105939 has 18 MA's), (11, 105978), (19, 106095), (21, 106131), (26, 106188), (27, 106212),

Gene: MeganTheeKilla_222 Start: 106810, Stop: 107130, Start Num: 8
Candidate Starts for MeganTheeKilla_222:
(4, 106768), (6, 106804), (Start: 8 @106810 has 18 MA's), (11, 106849), (16, 106921), (19, 106966), (21, 107002), (26, 107059), (27, 107083),

Gene: Phredrick_222 Start: 106213, Stop: 106533, Start Num: 8
Candidate Starts for Phredrick_222:
(2, 106165), (4, 106171), (6, 106207), (Start: 8 @106213 has 18 MA's), (19, 106369), (21, 106405), (26, 106462), (27, 106486),

Gene: SeresaTree_218 Start: 108355, Stop: 108681, Start Num: 8
Candidate Starts for SeresaTree_218:
(Start: 8 @108355 has 18 MA's), (18, 108508), (21, 108547), (22, 108553), (27, 108631), (29, 108646),

Gene: Sham_209 Start: 109239, Stop: 109565, Start Num: 8
Candidate Starts for Sham_209:
(5, 109224), (Start: 8 @109239 has 18 MA's), (15, 109341), (18, 109392), (19, 109395), (21, 109431), (22, 109437), (27, 109515),

Gene: SparkleGoddess_217 Start: 108078, Stop: 108401, Start Num: 8
Candidate Starts for SparkleGoddess_217:
(1, 108030), (Start: 8 @108078 has 18 MA's), (13, 108168), (16, 108192), (21, 108273), (24, 108318), (26, 108330), (27, 108354), (28, 108360), (30, 108378),

Gene: Stigma_216 Start: 108284, Stop: 108607, Start Num: 8
Candidate Starts for Stigma_216:
(1, 108236), (Start: 8 @108284 has 18 MA's), (13, 108374), (16, 108398), (21, 108479), (24, 108524), (26, 108536), (27, 108560), (28, 108566), (30, 108584),

Gene: TunaTartare_217 Start: 111534, Stop: 111860, Start Num: 8
Candidate Starts for TunaTartare_217:
(5, 111519), (Start: 8 @111534 has 18 MA's), (15, 111636), (18, 111687), (19, 111690), (21, 111726), (22, 111732), (27, 111810),

Gene: Westy_221 Start: 109070, Stop: 109393, Start Num: 8
Candidate Starts for Westy_221:
(1, 109022), (Start: 8 @109070 has 18 MA's), (13, 109160), (16, 109184), (21, 109265), (24, 109310), (26, 109322), (27, 109346), (28, 109352), (30, 109370),