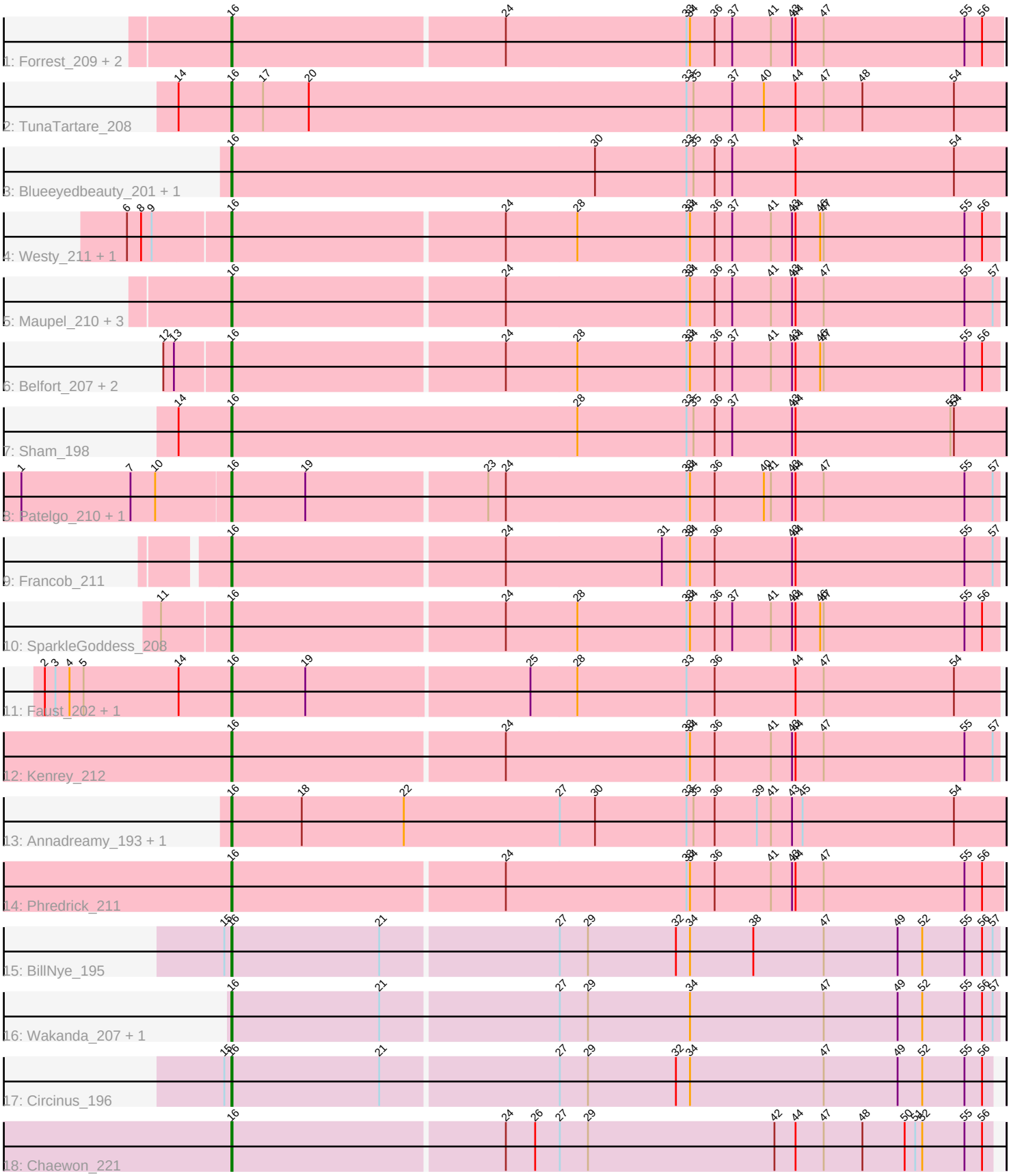
Pham 339903


1: Forrest_209 + 2
2: TunaTartare_208
3: Blueeyedbeauty_201 + 1
4: Westy_211 + 1
5: Maupel_210 + 3
6: Belfort_207 + 2
7: Sham_198
8: Patelgo_210 + 1
9: Francob_211
10: SparkleGoddess_208
11: Faust_202 + 1
12: Kenrey_212
13: Annadreamy_193 + 1
14: Phredrick_211
15: BillNye_195
16: Wakanda_207 + 1
17: Circinus_196
18: Chaewon_221

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 339903 Report

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

Pham number 339903 has 31 members, 2 are drafts.

Phages represented in each track:
- Track 1 : Forrest_209, DeluluLabubu_211, Emma1919_209
- Track 2 : TunaTartare_208
- Track 3 : Blueeyedbeauty_201, Beuffert_198
- Track 4 : Westy_211, Comrade_204
- Track 5 : Maupel_210, MeganTheeKilla_210, Gilson_207, Jada_209
- Track 6 : Belfort_207, Karp_203, Stigma_206
- Track 7 : Sham_198
- Track 8 : Patelgo_210, Moab_208
- Track 9 : Francob_211
- Track 10 : SparkleGoddess_208
- Track 11 : Faust_202, SeresaTree_206
- Track 12 : Kenrey_212
- Track 13 : Annadreamy_193, Limpid_200
- Track 14 : Phredrick_211
- Track 15 : BillNye_195
- Track 16 : Wakanda_207, Muntaha_209
- Track 17 : Circinus_196
- Track 18 : Chaewon_221

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

The start number called the most often in the published annotations is 16, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Annadreamy_193, Belfort_207, Beuffert_198, BillNye_195, Blueeyedbeauty_201, Chaewon_221, Circinus_196, Comrade_204, DeluluLabubu_211, Emma1919_209, Faust_202, Forrest_209, Francob_211, Gilson_207, Jada_209, Karp_203, Kenrey_212, Limpid_200, Maupel_210, MeganTheeKilla_210, Moab_208, Muntaha_209, Patelgo_210, Phredrick_211, SeresaTree_206, Sham_198, SparkleGoddess_208, Stigma_206, TunaTartare_208, Wakanda_207, Westy_211,

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

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

Summary by start number:

Start 16:
• Found in 31 of 31 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_193 (BK1), Belfort_207 (BK1), Beuffert_198 (BK1), BillNye_195 (BK2), Blueeyedbeauty_201 (BK1), Chaewon_221 (BK2), Circinus_196 (BK2), Comrade_204 (BK1), DeluluLabubu_211 (BK1), Emma1919_209 (BK1), Faust_202 (BK1), Forrest_209 (BK1), Francob_211 (BK1), Gilson_207 (BK1), Jada_209 (BK1), Karp_203 (BK1), Kenrey_212 (BK1), Limpid_200 (BK1), Maupel_210 (BK1), MeganTheeKilla_210 (BK1), Moab_208 (BK1), Muntaha_209 (BK2), Patelgo_210 (BK1), Phredrick_211 (BK1), SeresaTree_206 (BK1), Sham_198 (BK1), SparkleGoddess_208 (BK1), Stigma_206 (BK1), TunaTartare_208 (BK1), Wakanda_207 (BK2), Westy_211 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 16 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 16 was manually annotated 5 times for cluster BK2.

Gene Information:

Gene: Annadreamy_193 Start: 97612, Stop: 98271, Start Num: 16
Candidate Starts for Annadreamy_193:
(Start: 16 @97612 has 29 MA's), (18, 97672), (22, 97759), (27, 97891), (30, 97921), (33, 97999), (35, 98005), (36, 98023), (39, 98059), (41, 98071), (43, 98089), (45, 98098), (54, 98227),

Gene: Belfort_207 Start: 104053, Stop: 104700, Start Num: 16
Candidate Starts for Belfort_207:
(12, 103999), (13, 104008), (Start: 16 @104053 has 29 MA's), (24, 104281), (28, 104341), (33, 104434), (34, 104437), (36, 104458), (37, 104473), (41, 104506), (43, 104524), (44, 104527), (46, 104548), (47, 104551), (55, 104671), (56, 104686),

Gene: Beuffert_198 Start: 101828, Stop: 102487, Start Num: 16
Candidate Starts for Beuffert_198:
(Start: 16 @101828 has 29 MA's), (30, 102137), (33, 102215), (35, 102221), (36, 102239), (37, 102254), (44, 102308), (54, 102443),

Gene: BillNye_195 Start: 104559, Stop: 105206, Start Num: 16
Candidate Starts for BillNye_195:

(15, 104553), (Start: 16 @104559 has 29 MA's), (21, 104685), (27, 104832), (29, 104856), (32, 104931), (34, 104943), (38, 104997), (47, 105057), (49, 105120), (52, 105141), (55, 105177), (56, 105192), (57, 105201),

Gene: Blueeyedbeauty_201 Start: 101140, Stop: 101799, Start Num: 16
Candidate Starts for Blueeyedbeauty_201:
(Start: 16 @101140 has 29 MA's), (30, 101449), (33, 101527), (35, 101533), (36, 101551), (37, 101566), (44, 101620), (54, 101755),

Gene: Chaewon_221 Start: 112147, Stop: 112788, Start Num: 16
Candidate Starts for Chaewon_221:
(Start: 16 @112147 has 29 MA's), (24, 112375), (26, 112399), (27, 112420), (29, 112444), (42, 112603), (44, 112621), (47, 112645), (48, 112678), (50, 112714), (51, 112723), (52, 112729), (55, 112765), (56, 112780),

Gene: Circinus_196 Start: 104365, Stop: 105006, Start Num: 16
Candidate Starts for Circinus_196:
(15, 104359), (Start: 16 @104365 has 29 MA's), (21, 104491), (27, 104638), (29, 104662), (32, 104737), (34, 104749), (47, 104863), (49, 104926), (52, 104947), (55, 104983), (56, 104998),

Gene: Comrade_204 Start: 104253, Stop: 104900, Start Num: 16
Candidate Starts for Comrade_204:
(6, 104169), (8, 104181), (9, 104190), (Start: 16 @104253 has 29 MA's), (24, 104481), (28, 104541), (33, 104634), (34, 104637), (36, 104658), (37, 104673), (41, 104706), (43, 104724), (44, 104727), (46, 104748), (47, 104751), (55, 104871), (56, 104886),

Gene: DeluluLabubu_211 Start: 103968, Stop: 104618, Start Num: 16
Candidate Starts for DeluluLabubu_211:
(Start: 16 @103968 has 29 MA's), (24, 104196), (33, 104349), (34, 104352), (36, 104373), (37, 104388), (41, 104421), (43, 104439), (44, 104442), (47, 104466), (55, 104586), (56, 104601),

Gene: Emma1919_209 Start: 102493, Stop: 103143, Start Num: 16
Candidate Starts for Emma1919_209:
(Start: 16 @102493 has 29 MA's), (24, 102721), (33, 102874), (34, 102877), (36, 102898), (37, 102913), (41, 102946), (43, 102964), (44, 102967), (47, 102991), (55, 103111), (56, 103126),

Gene: Faust_202 Start: 103311, Stop: 103958, Start Num: 16
Candidate Starts for Faust_202:
(2, 103152), (3, 103161), (4, 103173), (5, 103185), (14, 103266), (Start: 16 @103311 has 29 MA's), (19, 103374), (25, 103560), (28, 103599), (33, 103692), (36, 103716), (44, 103785), (47, 103809), (54, 103920),

Gene: Forrest_209 Start: 103459, Stop: 104109, Start Num: 16
Candidate Starts for Forrest_209:
(Start: 16 @103459 has 29 MA's), (24, 103687), (33, 103840), (34, 103843), (36, 103864), (37, 103879), (41, 103912), (43, 103930), (44, 103933), (47, 103957), (55, 104077), (56, 104092),

Gene: Francob_211 Start: 103531, Stop: 104178, Start Num: 16
Candidate Starts for Francob_211:
(Start: 16 @103531 has 29 MA's), (24, 103759), (31, 103891), (33, 103912), (34, 103915), (36, 103936), (43, 104002), (44, 104005), (55, 104149), (57, 104173),

Gene: Gilson_207 Start: 102455, Stop: 103102, Start Num: 16

Candidate Starts for Gilson_207:
(Start: 16 @102455 has 29 MA's), (24, 102683), (33, 102836), (34, 102839), (36, 102860), (37, 102875), (41, 102908), (43, 102926), (44, 102929), (47, 102953), (55, 103073), (57, 103097),

Gene: Jada_209 Start: 103131, Stop: 103778, Start Num: 16
Candidate Starts for Jada_209:
(Start: 16 @103131 has 29 MA's), (24, 103359), (33, 103512), (34, 103515), (36, 103536), (37, 103551), (41, 103584), (43, 103602), (44, 103605), (47, 103629), (55, 103749), (57, 103773),

Gene: Karp_203 Start: 104420, Stop: 105067, Start Num: 16
Candidate Starts for Karp_203:
(12, 104366), (13, 104375), (Start: 16 @104420 has 29 MA's), (24, 104648), (28, 104708), (33, 104801), (34, 104804), (36, 104825), (37, 104840), (41, 104873), (43, 104891), (44, 104894), (46, 104915), (47, 104918), (55, 105038), (56, 105053),

Gene: Kenrey_212 Start: 103507, Stop: 104154, Start Num: 16
Candidate Starts for Kenrey_212:
(Start: 16 @103507 has 29 MA's), (24, 103735), (33, 103888), (34, 103891), (36, 103912), (41, 103960), (43, 103978), (44, 103981), (47, 104005), (55, 104125), (57, 104149),

Gene: Limpid_200 Start: 102925, Stop: 103584, Start Num: 16
Candidate Starts for Limpid_200:
(Start: 16 @102925 has 29 MA's), (18, 102985), (22, 103072), (27, 103204), (30, 103234), (33, 103312), (35, 103318), (36, 103336), (39, 103372), (41, 103384), (43, 103402), (45, 103411), (54, 103540),

Gene: Maupel_210 Start: 102455, Stop: 103102, Start Num: 16
Candidate Starts for Maupel_210:
(Start: 16 @102455 has 29 MA's), (24, 102683), (33, 102836), (34, 102839), (36, 102860), (37, 102875), (41, 102908), (43, 102926), (44, 102929), (47, 102953), (55, 103073), (57, 103097),

Gene: MeganTheeKilla_210 Start: 102716, Stop: 103363, Start Num: 16
Candidate Starts for MeganTheeKilla_210:
(Start: 16 @102716 has 29 MA's), (24, 102944), (33, 103097), (34, 103100), (36, 103121), (37, 103136), (41, 103169), (43, 103187), (44, 103190), (47, 103214), (55, 103334), (57, 103358),

Gene: Moab_208 Start: 105280, Stop: 105927, Start Num: 16
Candidate Starts for Moab_208:
(1, 105103), (7, 105196), (10, 105217), (Start: 16 @105280 has 29 MA's), (19, 105343), (23, 105493), (24, 105508), (33, 105661), (34, 105664), (36, 105685), (40, 105727), (41, 105733), (43, 105751), (44, 105754), (47, 105778), (55, 105898), (57, 105922),

Gene: Muntaha_209 Start: 104109, Stop: 104756, Start Num: 16
Candidate Starts for Muntaha_209:
(Start: 16 @104109 has 29 MA's), (21, 104235), (27, 104382), (29, 104406), (34, 104493), (47, 104607), (49, 104670), (52, 104691), (55, 104727), (56, 104742), (57, 104751),

Gene: Patelgo_210 Start: 105921, Stop: 106568, Start Num: 16
Candidate Starts for Patelgo_210:
(1, 105744), (7, 105837), (10, 105858), (Start: 16 @105921 has 29 MA's), (19, 105984), (23, 106134), (24, 106149), (33, 106302), (34, 106305), (36, 106326), (40, 106368), (41, 106374), (43, 106392), (44, 106395), (47, 106419), (55, 106539), (57, 106563),

Gene: Phredrick_211 Start: 102289, Stop: 102939, Start Num: 16
Candidate Starts for Phredrick_211:
(Start: 16 @102289 has 29 MA's), (24, 102517), (33, 102670), (34, 102673), (36, 102694), (41, 102742), (43, 102760), (44, 102763), (47, 102787), (55, 102907), (56, 102922),

Gene: SeresaTree_206 Start: 103296, Stop: 103943, Start Num: 16
Candidate Starts for SeresaTree_206:
(2, 103137), (3, 103146), (4, 103158), (5, 103170), (14, 103251), (Start: 16 @103296 has 29 MA's), (19, 103359), (25, 103545), (28, 103584), (33, 103677), (36, 103701), (44, 103770), (47, 103794), (54, 103905),

Gene: Sham_198 Start: 104247, Stop: 104906, Start Num: 16
Candidate Starts for Sham_198:
(14, 104202), (Start: 16 @104247 has 29 MA's), (28, 104541), (33, 104634), (35, 104640), (36, 104658), (37, 104673), (43, 104724), (44, 104727), (53, 104859), (54, 104862),

Gene: SparkleGoddess_208 Start: 104746, Stop: 105393, Start Num: 16
Candidate Starts for SparkleGoddess_208:
(11, 104689), (Start: 16 @104746 has 29 MA's), (24, 104974), (28, 105034), (33, 105127), (34, 105130), (36, 105151), (37, 105166), (41, 105199), (43, 105217), (44, 105220), (46, 105241), (47, 105244), (55, 105364), (56, 105379),

Gene: Stigma_206 Start: 104687, Stop: 105334, Start Num: 16
Candidate Starts for Stigma_206:
(12, 104633), (13, 104642), (Start: 16 @104687 has 29 MA's), (24, 104915), (28, 104975), (33, 105068), (34, 105071), (36, 105092), (37, 105107), (41, 105140), (43, 105158), (44, 105161), (46, 105182), (47, 105185), (55, 105305), (56, 105320),

Gene: TunaTartare_208 Start: 107297, Stop: 107956, Start Num: 16
Candidate Starts for TunaTartare_208:
(14, 107252), (Start: 16 @107297 has 29 MA's), (17, 107324), (20, 107363), (33, 107684), (35, 107690), (37, 107723), (40, 107750), (44, 107777), (47, 107801), (48, 107834), (54, 107912),

Gene: Wakanda_207 Start: 103738, Stop: 104385, Start Num: 16
Candidate Starts for Wakanda_207:
(Start: 16 @103738 has 29 MA's), (21, 103864), (27, 104011), (29, 104035), (34, 104122), (47, 104236), (49, 104299), (52, 104320), (55, 104356), (56, 104371), (57, 104380),

Gene: Westy_211 Start: 105473, Stop: 106120, Start Num: 16
Candidate Starts for Westy_211:
(6, 105389), (8, 105401), (9, 105410), (Start: 16 @105473 has 29 MA's), (24, 105701), (28, 105761), (33, 105854), (34, 105857), (36, 105878), (37, 105893), (41, 105926), (43, 105944), (44, 105947), (46, 105968), (47, 105971), (55, 106091), (56, 106106),