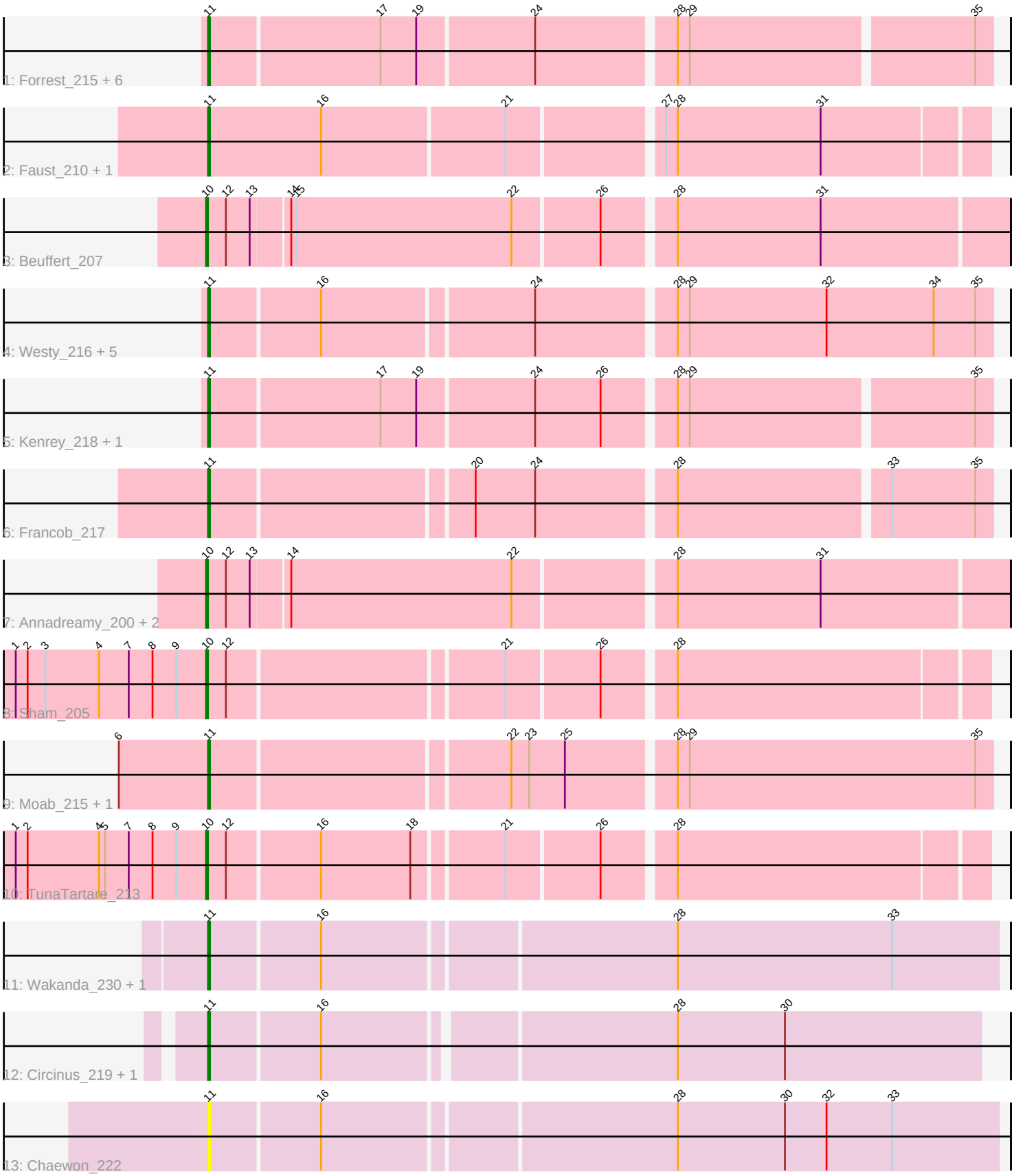
Pham 296797


1: Forrest_215 + 6
2: Faust_210 + 1
3: Beuffert_207
4: Westy_216 + 5
5: Kenrey_218 + 1
6: Francob_217
7: Annadreamy_200 + 2
8: Sham_205
9: Moab_215 + 1
10: TunaTartare_213
11: Wakanda_230 + 1
12: Circinus_219 + 1
13: Chaewon_222

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 296797 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296797 has 31 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Forrest_215, Emma1919_215, DeluluLabubu_217, MeganTheeKilla_217, Gilson_212, Jada_214, Maupel_215
• Track 2 : Faust_210, SeresaTree_214
• Track 3 : Beuffert_207
• Track 4 : Westy_216, Belfort_212, Comrade_209, SparkleGoddess_212, Stigma_211, Karp_208
• Track 5 : Kenrey_218, Phredrick_217
• Track 6 : Francob_217
• Track 7 : Annadreamy_200, Limpid_207, Blueeyedbeauty_209
• Track 8 : Sham_205
• Track 9 : Moab_215, Patelgo_216
• Track 10 : TunaTartare_213
• Track 11 : Wakanda_230, Muntaha_234
• Track 12 : Circinus_219, BillNye_219
• Track 13 : Chaewon_222

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

The start number called the most often in the published annotations is 11, it was called in 22 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_212, BillNye_219, Chaewon_222, Circinus_219, Comrade_209, DeluluLabubu_217, Emma1919_215, Faust_210, Forrest_215, Francob_217, Gilson_212, Jada_214, Karp_208, Kenrey_218, Maupel_215, MeganTheeKilla_217, Moab_215, Muntaha_234, Patelgo_216, Phredrick_217, SeresaTree_214, SparkleGoddess_212, Stigma_211, Wakanda_230, Westy_216,

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

Genes that do not have the "Most Annotated" start:
• Annadreamy_200, Beuffert_207, Blueeyedbeauty_209, Limpid_207, Sham_205, TunaTartare_213,

Summary by start number:

Start 10:
• Found in 6 of 31 (19.4%) of genes in pham
• Manual Annotations of this start: 6 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_200 (BK1), Beuffert_207 (BK1), Blueeyedbeauty_209 (BK1), Limpid_207 (BK1), Sham_205 (BK1), TunaTartare_213 (BK1),

Start 11:
• Found in 25 of 31 (80.6%) of genes in pham
• Manual Annotations of this start: 22 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_212 (BK1), BillNye_219 (BK2), Chaewon_222 (BK2), Circinus_219 (BK2), Comrade_209 (BK1), DeluluLabubu_217 (BK1), Emma1919_215 (BK1), Faust_210 (BK1), Forrest_215 (BK1), Francob_217 (BK1), Gilson_212 (BK1), Jada_214 (BK1), Karp_208 (BK1), Kenrey_218 (BK1), Maupel_215 (BK1), MeganTheeKilla_217 (BK1), Moab_215 (BK1), Muntaha_234 (BK2), Patelgo_216 (BK1), Phredrick_217 (BK1), SeresaTree_214 (BK1), SparkleGoddess_212 (BK1), Stigma_211 (BK1), Wakanda_230 (BK2), Westy_216 (BK1),

Summary by clusters:

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

Info for manual annotations of cluster BK1:
•Start number 10 was manually annotated 6 times for cluster BK1.
•Start number 11 was manually annotated 18 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 11 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_200 Start: 101109, Stop: 101498, Start Num: 10
Candidate Starts for Annadreamy_200:
(Start: 10 @101109 has 6 MA's), (12, 101118), (13, 101130), (14, 101148), (22, 101259), (28, 101334), (31, 101406),

Gene: Belfort_212 Start: 105684, Stop: 106064, Start Num: 11
Candidate Starts for Belfort_212:
(Start: 11 @105684 has 22 MA's), (16, 105738), (24, 105840), (28, 105906), (29, 105912), (32, 105981), (34, 106035), (35, 106056),

Gene: Beuffert_207 Start: 105102, Stop: 105491, Start Num: 10
Candidate Starts for Beuffert_207:
(Start: 10 @105102 has 6 MA's), (12, 105111), (13, 105123), (14, 105141), (15, 105144), (22, 105252), (26, 105294), (28, 105327), (31, 105399),

Gene: BillNye_219 Start: 112845, Stop: 113219, Start Num: 11
Candidate Starts for BillNye_219:
(Start: 11 @112845 has 22 MA's), (16, 112899), (28, 113067), (30, 113121),

Gene: Blueeyedbeauty_209 Start: 104836, Stop: 105225, Start Num: 10
Candidate Starts for Blueeyedbeauty_209:
(Start: 10 @104836 has 6 MA's), (12, 104845), (13, 104857), (14, 104875), (22, 104986), (28, 105061), (31, 105133),

Gene: Chaewon_222 Start: 113236, Stop: 113622, Start Num: 11
Candidate Starts for Chaewon_222:
(Start: 11 @113236 has 22 MA's), (16, 113290), (28, 113461), (30, 113515), (32, 113536), (33, 113569),

Gene: Circinus_219 Start: 112435, Stop: 112809, Start Num: 11
Candidate Starts for Circinus_219:
(Start: 11 @112435 has 22 MA's), (16, 112489), (28, 112657), (30, 112711),

Gene: Comrade_209 Start: 105884, Stop: 106264, Start Num: 11
Candidate Starts for Comrade_209:
(Start: 11 @105884 has 22 MA's), (16, 105938), (24, 106040), (28, 106106), (29, 106112), (32, 106181), (34, 106235), (35, 106256),

Gene: DeluluLabubu_217 Start: 105938, Stop: 106315, Start Num: 11
Candidate Starts for DeluluLabubu_217:
(Start: 11 @105938 has 22 MA's), (17, 106022), (19, 106040), (24, 106097), (28, 106163), (29, 106169), (35, 106307),

Gene: Emma1919_215 Start: 104463, Stop: 104840, Start Num: 11
Candidate Starts for Emma1919_215:
(Start: 11 @104463 has 22 MA's), (17, 104547), (19, 104565), (24, 104622), (28, 104688), (29, 104694), (35, 104832),

Gene: Faust_210 Start: 106519, Stop: 106896, Start Num: 11
Candidate Starts for Faust_210:
(Start: 11 @106519 has 22 MA's), (16, 106576), (21, 106666), (27, 106738), (28, 106744), (31, 106816),

Gene: Forrest_215 Start: 105429, Stop: 105806, Start Num: 11
Candidate Starts for Forrest_215:
(Start: 11 @105429 has 22 MA's), (17, 105513), (19, 105531), (24, 105588), (28, 105654), (29, 105660), (35, 105798),

Gene: Francob_217 Start: 105473, Stop: 105847, Start Num: 11
Candidate Starts for Francob_217:
(Start: 11 @105473 has 22 MA's), (20, 105599), (24, 105629), (28, 105695), (33, 105797), (35, 105839),

Gene: Gilson_212 Start: 103986, Stop: 104363, Start Num: 11
Candidate Starts for Gilson_212:
(Start: 11 @103986 has 22 MA's), (17, 104070), (19, 104088), (24, 104145), (28, 104211), (29, 104217), (35, 104355),

Gene: Jada_214 Start: 104662, Stop: 105039, Start Num: 11
Candidate Starts for Jada_214:
(Start: 11 @104662 has 22 MA's), (17, 104746), (19, 104764), (24, 104821), (28, 104887), (29, 104893), (35, 105031),

Gene: Karp_208 Start: 106051, Stop: 106431, Start Num: 11
Candidate Starts for Karp_208:
(Start: 11 @106051 has 22 MA's), (16, 106105), (24, 106207), (28, 106273), (29, 106279), (32, 106348), (34, 106402), (35, 106423),

Gene: Kenrey_218 Start: 105206, Stop: 105583, Start Num: 11
Candidate Starts for Kenrey_218:
(Start: 11 @105206 has 22 MA's), (17, 105290), (19, 105308), (24, 105365), (26, 105398), (28, 105431), (29, 105437), (35, 105575),

Gene: Limpid_207 Start: 106422, Stop: 106811, Start Num: 10
Candidate Starts for Limpid_207:
(Start: 10 @106422 has 6 MA's), (12, 106431), (13, 106443), (14, 106461), (22, 106572), (28, 106647), (31, 106719),

Gene: Maupel_215 Start: 103986, Stop: 104363, Start Num: 11
Candidate Starts for Maupel_215:
(Start: 11 @103986 has 22 MA's), (17, 104070), (19, 104088), (24, 104145), (28, 104211), (29, 104217), (35, 104355),

Gene: MeganTheeKilla_217 Start: 104860, Stop: 105237, Start Num: 11
Candidate Starts for MeganTheeKilla_217:
(Start: 11 @104860 has 22 MA's), (17, 104944), (19, 104962), (24, 105019), (28, 105085), (29, 105091), (35, 105229),

Gene: Moab_215 Start: 107338, Stop: 107718, Start Num: 11
Candidate Starts for Moab_215:
(6, 107296), (Start: 11 @107338 has 22 MA's), (22, 107482), (23, 107491), (25, 107509), (28, 107560), (29, 107566), (35, 107710),

Gene: Muntaha_234 Start: 113002, Stop: 113388, Start Num: 11
Candidate Starts for Muntaha_234:
(Start: 11 @113002 has 22 MA's), (16, 113056), (28, 113227), (33, 113335),

Gene: Patelgo_216 Start: 107768, Stop: 108148, Start Num: 11
Candidate Starts for Patelgo_216:
(6, 107726), (Start: 11 @107768 has 22 MA's), (22, 107912), (23, 107921), (25, 107939), (28, 107990), (29, 107996), (35, 108140),

Gene: Phredrick_217 Start: 104259, Stop: 104636, Start Num: 11
Candidate Starts for Phredrick_217:
(Start: 11 @104259 has 22 MA's), (17, 104343), (19, 104361), (24, 104418), (26, 104451), (28, 104484), (29, 104490), (35, 104628),

Gene: SeresaTree_214 Start: 106504, Stop: 106881, Start Num: 11
Candidate Starts for SeresaTree_214:

(Start: 11 @106504 has 22 MA's), (16, 106561), (21, 106651), (27, 106723), (28, 106729), (31, 106801),

Gene: Sham_205 Start: 107377, Stop: 107748, Start Num: 10
Candidate Starts for Sham_205:
(1, 107281), (2, 107287), (3, 107296), (4, 107323), (7, 107338), (8, 107350), (9, 107362), (Start: 10 @107377 has 6 MA's), (12, 107386), (21, 107518), (26, 107563), (28, 107596),

Gene: SparkleGoddess_212 Start: 106112, Stop: 106492, Start Num: 11
Candidate Starts for SparkleGoddess_212:
(Start: 11 @106112 has 22 MA's), (16, 106166), (24, 106268), (28, 106334), (29, 106340), (32, 106409), (34, 106463), (35, 106484),

Gene: Stigma_211 Start: 106318, Stop: 106698, Start Num: 11
Candidate Starts for Stigma_211:
(Start: 11 @106318 has 22 MA's), (16, 106372), (24, 106474), (28, 106540), (29, 106546), (32, 106615), (34, 106669), (35, 106690),

Gene: TunaTartare_213 Start: 109675, Stop: 110046, Start Num: 10
Candidate Starts for TunaTartare_213:
(1, 109579), (2, 109585), (4, 109621), (5, 109624), (7, 109636), (8, 109648), (9, 109660), (Start: 10 @109675 has 6 MA's), (12, 109684), (16, 109729), (18, 109774), (21, 109816), (26, 109861), (28, 109894),

Gene: Wakanda_230 Start: 111989, Stop: 112375, Start Num: 11
Candidate Starts for Wakanda_230:
(Start: 11 @111989 has 22 MA's), (16, 112043), (28, 112214), (33, 112322),

Gene: Westy_216 Start: 107104, Stop: 107484, Start Num: 11
Candidate Starts for Westy_216:
(Start: 11 @107104 has 22 MA's), (16, 107158), (24, 107260), (28, 107326), (29, 107332), (32, 107401), (34, 107455), (35, 107476),