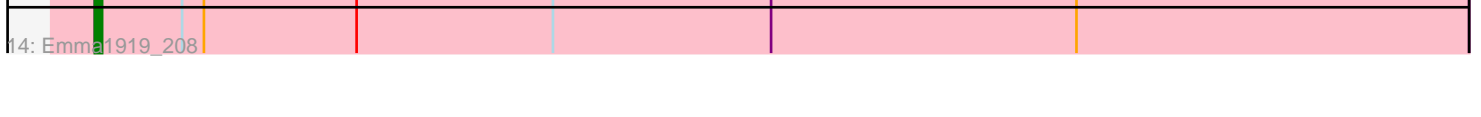
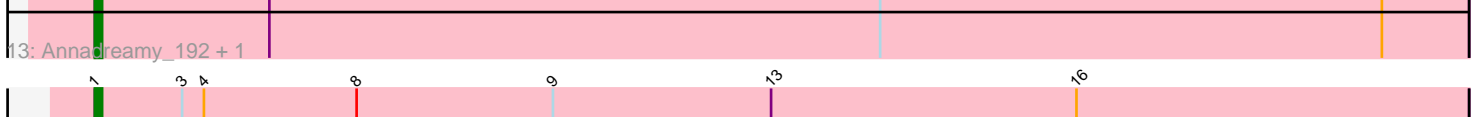
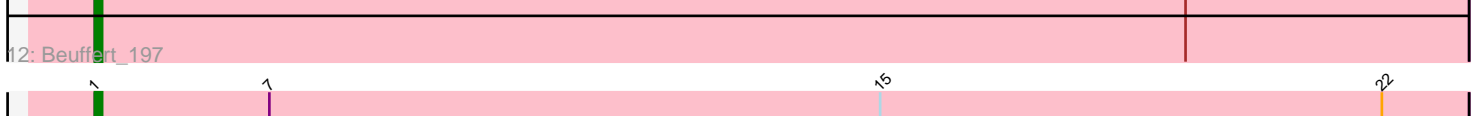
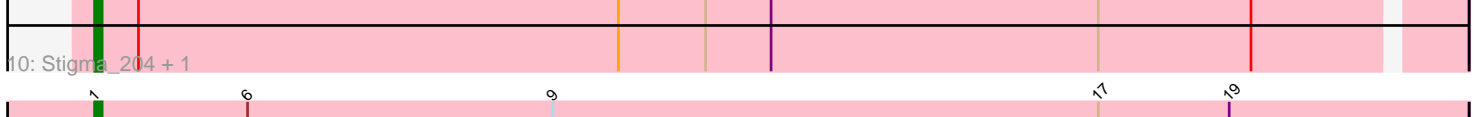
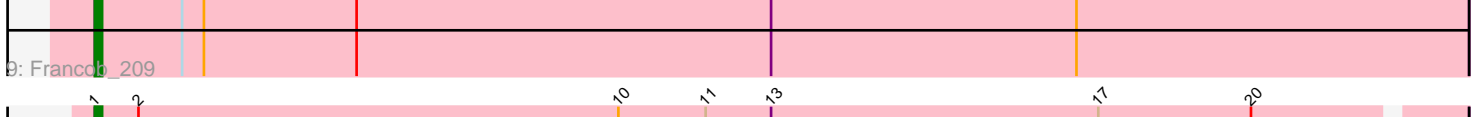
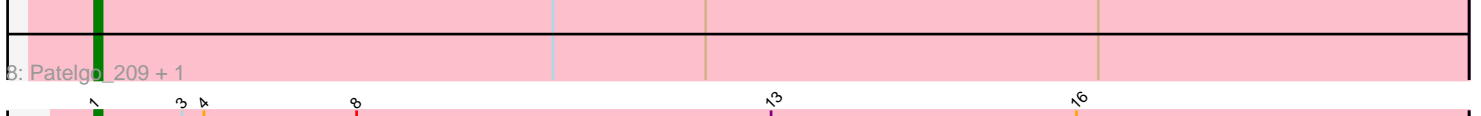
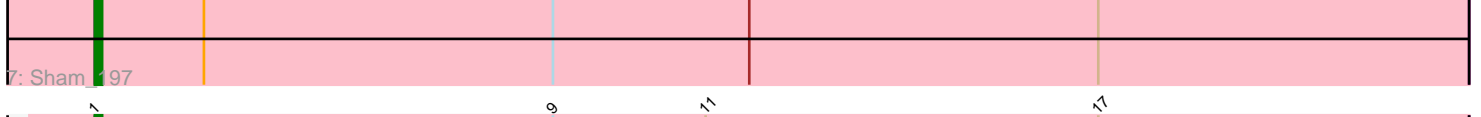
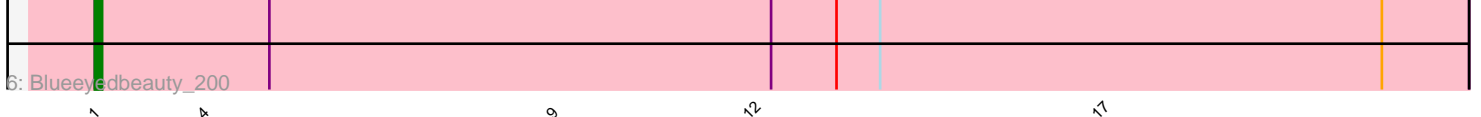
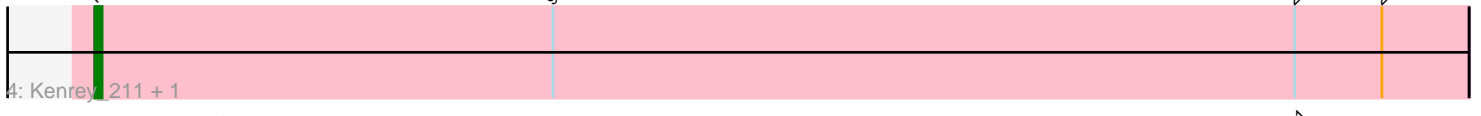
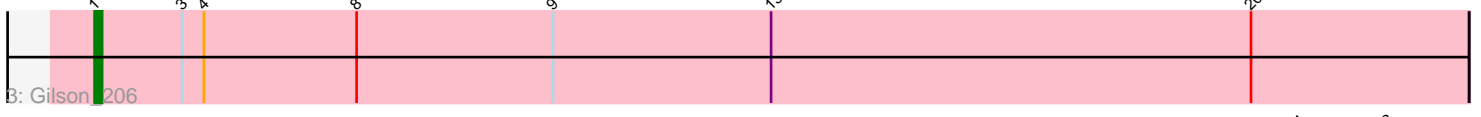
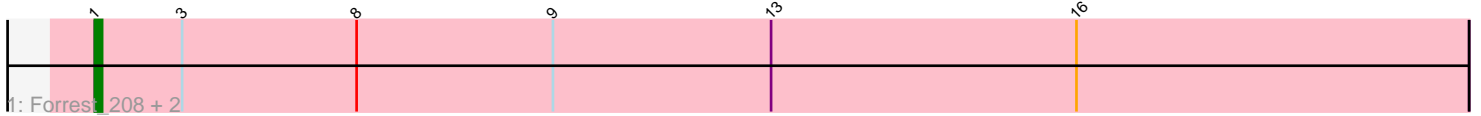


Pham 220083



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 220083 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220083 has 23 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Forrest_208, MeganTheeKilla_209, Jada_208
- Track 2 : TunaTartare_207
- Track 3 : Gilson_206
- Track 4 : Kenrey_211, Phredrick_210
- Track 5 : Westy_208, Karp_201, Belfort_205, Comrade_202
- Track 6 : Blueeyedbeauty_200
- Track 7 : Sham_197
- Track 8 : Patelgo_209, Moab_207
- Track 9 : Francob_209
- Track 10 : Stigma_204, SparkleGoddess_205
- Track 11 : Faust_201
- Track 12 : Beuffert_197
- Track 13 : Annadreamy_192, Limpid_199
- Track 14 : Emma1919_208

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_192, Belfort_205, Beuffert_197, Blueeyedbeauty_200, Comrade_202, Emma1919_208, Faust_201, Forrest_208, Francob_209, Gilson_206, Jada_208, Karp_201, Kenrey_211, Limpid_199, MeganTheeKilla_209, Moab_207, Patelgo_209, Phredrick_210, Sham_197, SparkleGoddess_205, Stigma_204, TunaTartare_207, Westy_208,

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 1:

- Found in 23 of 23 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_192 (BK1), Belfort_205 (BK1), Beuffert_197 (BK1), Blueeyedbeauty_200 (BK1), Comrade_202 (BK1), Emma1919_208 (BK1), Faust_201 (BK1), Forrest_208 (BK1), Francob_209 (BK1), Gilson_206 (BK1), Jada_208 (BK1), Karp_201 (BK1), Kenrey_211 (BK1), Limpid_199 (BK1), MeganTheeKilla_209 (BK1), Moab_207 (BK1), Patelgo_209 (BK1), Phredrick_210 (BK1), Sham_197 (BK1), SparkleGoddess_205 (BK1), Stigma_204 (BK1), TunaTartare_207 (BK1), Westy_208 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 22 times for cluster BK1.

Gene Information:

Gene: Annadreamy_192 Start: 97360, Stop: 97548, Start Num: 1

Candidate Starts for Annadreamy_192:

(Start: 1 @97360 has 22 MA's), (7, 97384), (15, 97468), (22, 97537),

Gene: Belfort_205 Start: 103490, Stop: 103678, Start Num: 1

Candidate Starts for Belfort_205:

(Start: 1 @103490 has 22 MA's), (5, 103508), (9, 103553), (21, 103655),

Gene: Beuffert_197 Start: 101592, Stop: 101780, Start Num: 1

Candidate Starts for Beuffert_197:

(Start: 1 @101592 has 22 MA's), (18, 101742),

Gene: Blueeyedbeauty_200 Start: 100888, Stop: 101076, Start Num: 1

Candidate Starts for Blueeyedbeauty_200:

(Start: 1 @100888 has 22 MA's), (7, 100912), (13, 100981), (14, 100990), (15, 100996), (22, 101065),

Gene: Comrade_202 Start: 103691, Stop: 103879, Start Num: 1

Candidate Starts for Comrade_202:

(Start: 1 @103691 has 22 MA's), (5, 103709), (9, 103754), (21, 103856),

Gene: Emma1919_208 Start: 102236, Stop: 102424, Start Num: 1

Candidate Starts for Emma1919_208:

(Start: 1 @102236 has 22 MA's), (3, 102248), (4, 102251), (8, 102272), (9, 102299), (13, 102329), (16, 102371),

Gene: Faust_201 Start: 103076, Stop: 103264, Start Num: 1

Candidate Starts for Faust_201:

(Start: 1 @103076 has 22 MA's), (6, 103097), (9, 103139), (17, 103214), (19, 103232),

Gene: Forrest_208 Start: 103202, Stop: 103390, Start Num: 1
Candidate Starts for Forrest_208:
(Start: 1 @103202 has 22 MA's), (3, 103214), (8, 103238), (9, 103265), (13, 103295), (16, 103337),

Gene: Francob_209 Start: 102985, Stop: 103173, Start Num: 1
Candidate Starts for Francob_209:
(Start: 1 @102985 has 22 MA's), (3, 102997), (4, 103000), (8, 103021), (13, 103078), (16, 103120),

Gene: Gilson_206 Start: 102198, Stop: 102386, Start Num: 1
Candidate Starts for Gilson_206:
(Start: 1 @102198 has 22 MA's), (3, 102210), (4, 102213), (8, 102234), (9, 102261), (13, 102291), (20, 102357),

Gene: Jada_208 Start: 102874, Stop: 103062, Start Num: 1
Candidate Starts for Jada_208:
(Start: 1 @102874 has 22 MA's), (3, 102886), (8, 102910), (9, 102937), (13, 102967), (16, 103009),

Gene: Karp_201 Start: 103857, Stop: 104045, Start Num: 1
Candidate Starts for Karp_201:
(Start: 1 @103857 has 22 MA's), (5, 103875), (9, 103920), (21, 104022),

Gene: Kenrey_211 Start: 103246, Stop: 103434, Start Num: 1
Candidate Starts for Kenrey_211:
(Start: 1 @103246 has 22 MA's), (9, 103309), (21, 103411), (22, 103423),

Gene: Limpid_199 Start: 102673, Stop: 102861, Start Num: 1
Candidate Starts for Limpid_199:
(Start: 1 @102673 has 22 MA's), (7, 102697), (15, 102781), (22, 102850),

Gene: MeganTheeKilla_209 Start: 102459, Stop: 102647, Start Num: 1
Candidate Starts for MeganTheeKilla_209:
(Start: 1 @102459 has 22 MA's), (3, 102471), (8, 102495), (9, 102522), (13, 102552), (16, 102594),

Gene: Moab_207 Start: 105032, Stop: 105220, Start Num: 1
Candidate Starts for Moab_207:
(Start: 1 @105032 has 22 MA's), (9, 105095), (11, 105116), (17, 105170),

Gene: Patelgo_209 Start: 105673, Stop: 105861, Start Num: 1
Candidate Starts for Patelgo_209:
(Start: 1 @105673 has 22 MA's), (9, 105736), (11, 105757), (17, 105811),

Gene: Phredrick_210 Start: 102028, Stop: 102216, Start Num: 1
Candidate Starts for Phredrick_210:
(Start: 1 @102028 has 22 MA's), (9, 102091), (21, 102193), (22, 102205),

Gene: Sham_197 Start: 104012, Stop: 104200, Start Num: 1
Candidate Starts for Sham_197:
(Start: 1 @104012 has 22 MA's), (4, 104027), (9, 104075), (12, 104102), (17, 104150),

Gene: SparkleGoddess_205 Start: 103890, Stop: 104075, Start Num: 1
Candidate Starts for SparkleGoddess_205:
(Start: 1 @103890 has 22 MA's), (2, 103896), (10, 103962), (11, 103974), (13, 103983), (17, 104028), (20, 104049),

Gene: Stigma_204 Start: 104128, Stop: 104313, Start Num: 1

Candidate Starts for Stigma_204:

(Start: 1 @104128 has 22 MA's), (2, 104134), (10, 104200), (11, 104212), (13, 104221), (17, 104266), (20, 104287),

Gene: TunaTartare_207 Start: 107062, Stop: 107250, Start Num: 1

Candidate Starts for TunaTartare_207:

(Start: 1 @107062 has 22 MA's), (5, 107080), (8, 107098), (9, 107125), (12, 107152), (17, 107200),

Gene: Westy_208 Start: 104911, Stop: 105099, Start Num: 1

Candidate Starts for Westy_208:

(Start: 1 @104911 has 22 MA's), (5, 104929), (9, 104974), (21, 105076),