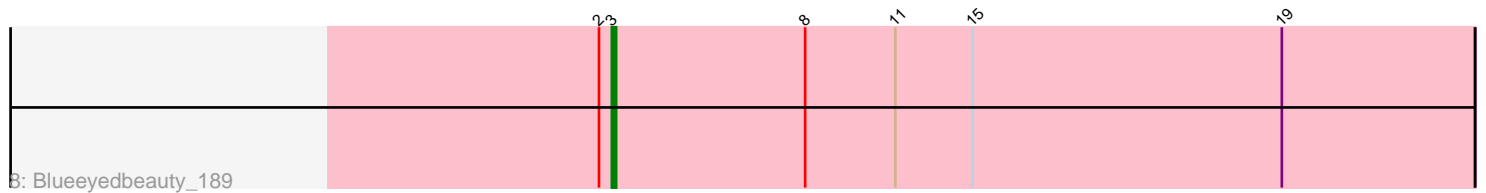
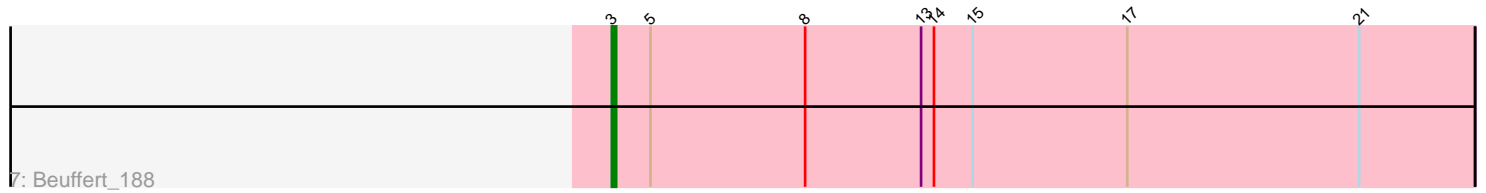
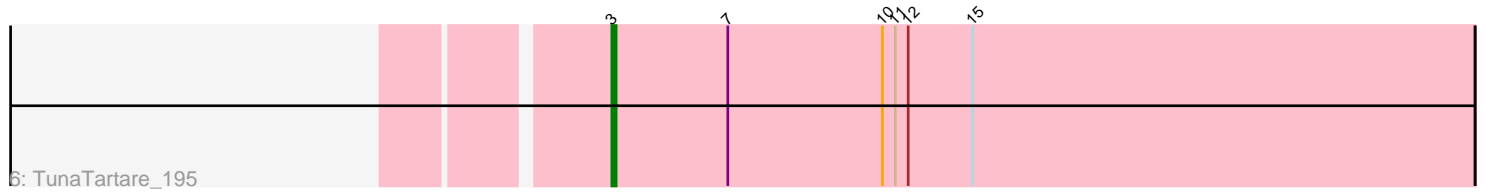
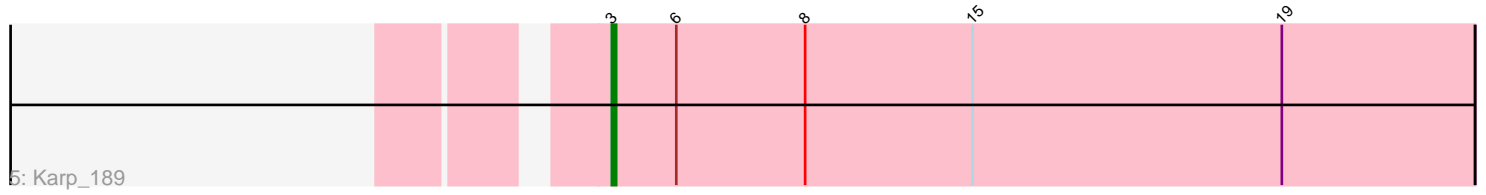
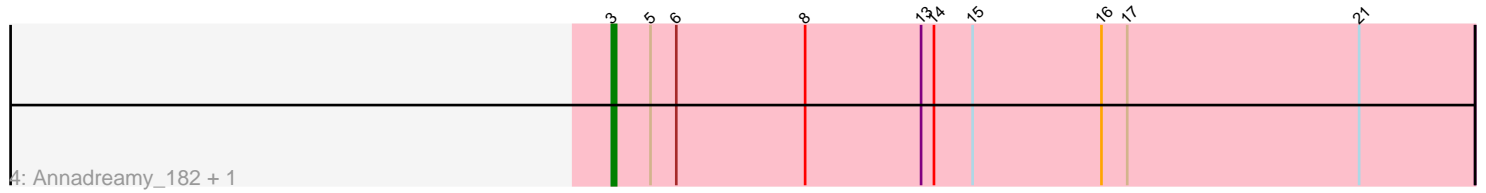
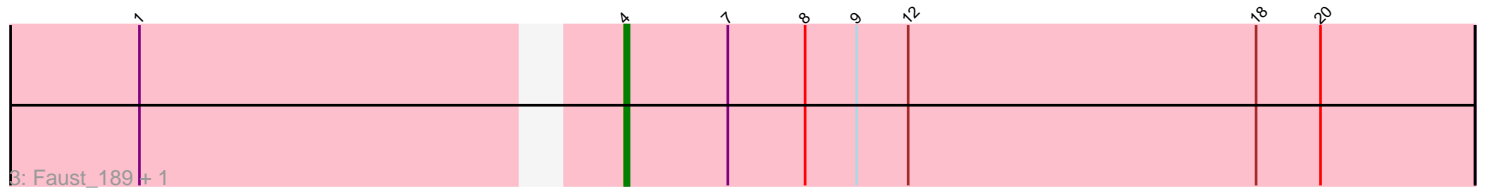
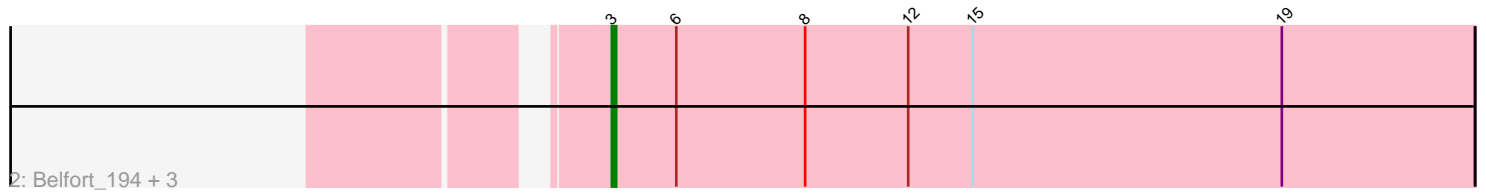
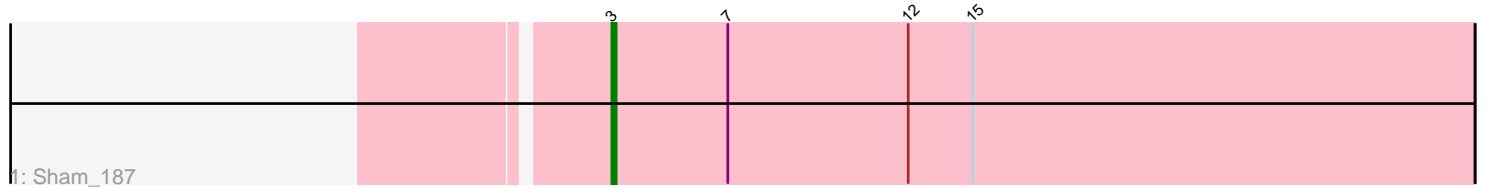


Pham 106738



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 106738 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106738 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sham_187
- Track 2 : Belfort_194, SparkleGoddess_194, Stigma_192, Comrade_191
- Track 3 : Faust_189, SeresaTree_193
- Track 4 : Annadreamy_182, Limpid_189
- Track 5 : Karp_189
- Track 6 : TunaTartare_195
- Track 7 : Beuffert_188
- Track 8 : Blueeyedbeauty_189

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_182, Belfort_194, Beuffert_188, Blueeyedbeauty_189, Comrade_191, Karp_189, Limpid_189, Sham_187, SparkleGoddess_194, Stigma_192, TunaTartare_195,

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

-

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

- Faust_189, SeresaTree_193,

Summary by start number:

Start 3:

- Found in 11 of 13 (84.6%) of genes in pham
- Manual Annotations of this start: 11 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_182 (BK1), Belfort_194 (BK1), Beuffert_188 (BK1), Blueeyedbeauty_189 (BK1), Comrade_191 (BK1), Karp_189 (BK1), Limpid_189 (BK1), Sham_187 (BK1), SparkleGoddess_194 (BK1),

Stigma_192 (BK1), TunaTartare_195 (BK1),

Start 4:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faust_189 (BK1), SeresaTree_193 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 3 was manually annotated 11 times for cluster BK1.
- Start number 4 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_182 Start: 93945, Stop: 94145, Start Num: 3

Candidate Starts for Annadreamy_182:

(Start: 3 @93945 has 11 MA's), (5, 93954), (6, 93960), (8, 93990), (13, 94017), (14, 94020), (15, 94029), (16, 94059), (17, 94065), (21, 94119),

Gene: Belfort_194 Start: 99775, Stop: 99975, Start Num: 3

Candidate Starts for Belfort_194:

(Start: 3 @99775 has 11 MA's), (6, 99790), (8, 99820), (12, 99844), (15, 99859), (19, 99931),

Gene: Beuffert_188 Start: 98418, Stop: 98618, Start Num: 3

Candidate Starts for Beuffert_188:

(Start: 3 @98418 has 11 MA's), (5, 98427), (8, 98463), (13, 98490), (14, 98493), (15, 98502), (17, 98538), (21, 98592),

Gene: Blueeyedbeauty_189 Start: 97397, Stop: 97597, Start Num: 3

Candidate Starts for Blueeyedbeauty_189:

(2, 97394), (Start: 3 @97397 has 11 MA's), (8, 97442), (11, 97463), (15, 97481), (19, 97553),

Gene: Comrade_191 Start: 99976, Stop: 100176, Start Num: 3

Candidate Starts for Comrade_191:

(Start: 3 @99976 has 11 MA's), (6, 99991), (8, 100021), (12, 100045), (15, 100060), (19, 100132),

Gene: Faust_189 Start: 99357, Stop: 99554, Start Num: 4

Candidate Starts for Faust_189:

(1, 99255), (Start: 4 @99357 has 1 MA's), (7, 99381), (8, 99399), (9, 99411), (12, 99423), (18, 99504), (20, 99519),

Gene: Karp_189 Start: 99641, Stop: 99841, Start Num: 3

Candidate Starts for Karp_189:

(Start: 3 @99641 has 11 MA's), (6, 99656), (8, 99686), (15, 99725), (19, 99797),

Gene: Limpid_189 Start: 99258, Stop: 99458, Start Num: 3

Candidate Starts for Limpid_189:

(Start: 3 @99258 has 11 MA's), (5, 99267), (6, 99273), (8, 99303), (13, 99330), (14, 99333), (15, 99342), (16, 99372), (17, 99378), (21, 99432),

Gene: SeresaTree_193 Start: 99342, Stop: 99539, Start Num: 4

Candidate Starts for SeresaTree_193:

(1, 99240), (Start: 4 @99342 has 1 MA's), (7, 99366), (8, 99384), (9, 99396), (12, 99408), (18, 99489), (20, 99504),

Gene: Sham_187 Start: 100617, Stop: 100817, Start Num: 3

Candidate Starts for Sham_187:

(Start: 3 @100617 has 11 MA's), (7, 100644), (12, 100686), (15, 100701),

Gene: SparkleGoddess_194 Start: 100184, Stop: 100384, Start Num: 3

Candidate Starts for SparkleGoddess_194:

(Start: 3 @100184 has 11 MA's), (6, 100199), (8, 100229), (12, 100253), (15, 100268), (19, 100340),

Gene: Stigma_192 Start: 100422, Stop: 100622, Start Num: 3

Candidate Starts for Stigma_192:

(Start: 3 @100422 has 11 MA's), (6, 100437), (8, 100467), (12, 100491), (15, 100506), (19, 100578),

Gene: TunaTartare_195 Start: 102733, Stop: 102933, Start Num: 3

Candidate Starts for TunaTartare_195:

(Start: 3 @102733 has 11 MA's), (7, 102760), (10, 102796), (11, 102799), (12, 102802), (15, 102817),