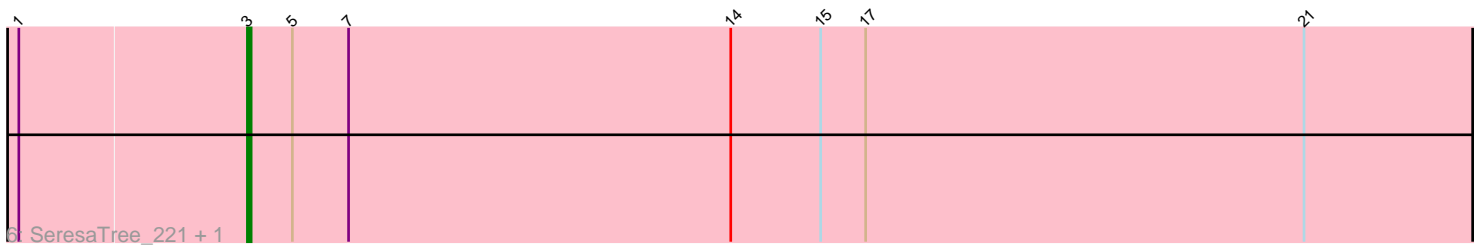
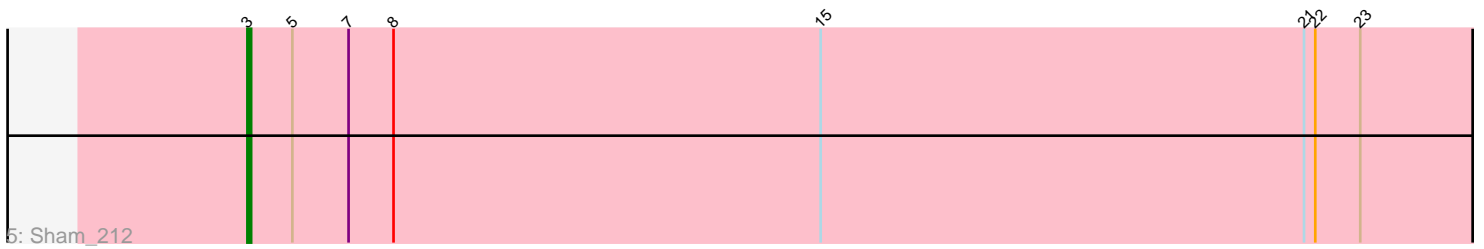
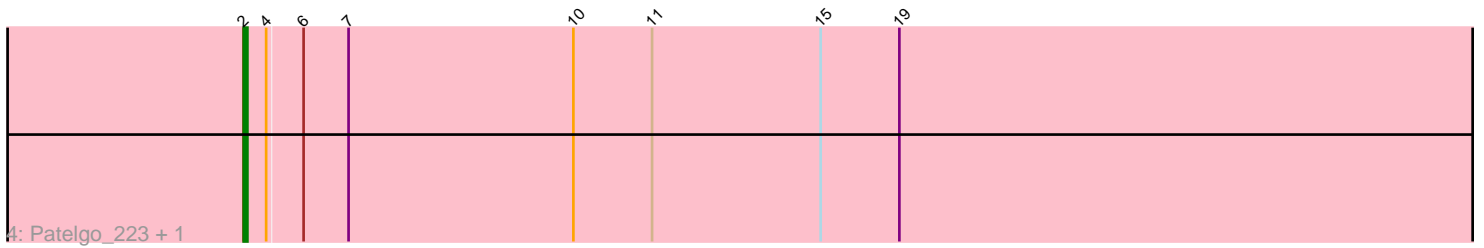
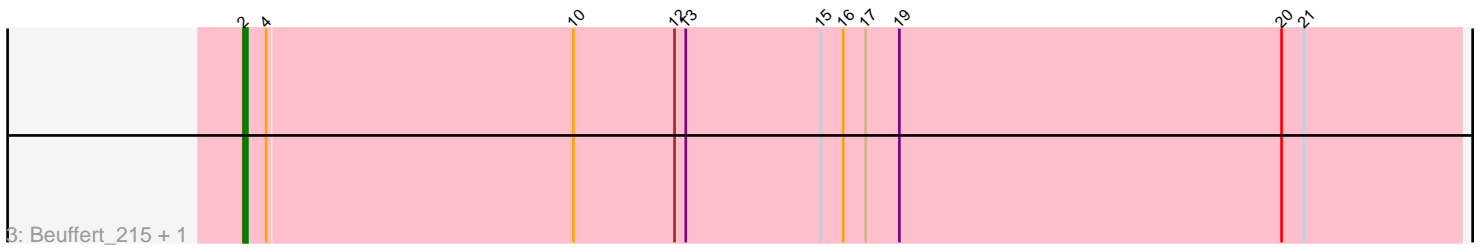
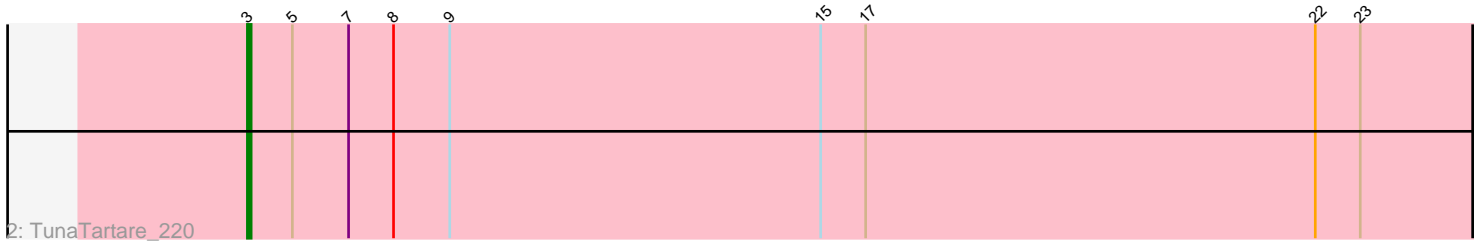
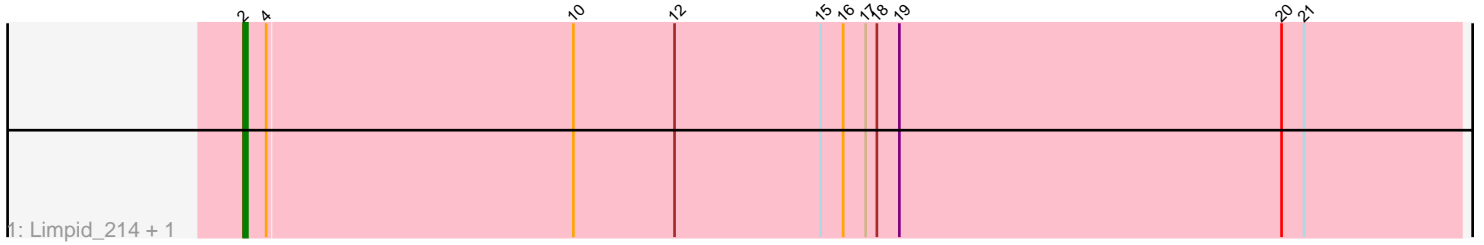


Pham 164092



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 164092 Report

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

Pham number 164092 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Limpid_214, Annadreamy_207
- Track 2 : TunaTartare_220
- Track 3 : Beuffert_215, Blueeyedbeauty_216
- Track 4 : Patelgo_223, Moab_222
- Track 5 : Sham_212
- Track 6 : SeresaTree_221, Faust_217

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_207, Beuffert_215, Blueeyedbeauty_216, Limpid_214, Moab_222, Patelgo_223,

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

-

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

- Faust_217, SeresaTree_221, Sham_212, TunaTartare_220,

Summary by start number:

Start 2:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_207 (BK1), Beuffert_215 (BK1), Blueeyedbeauty_216 (BK1), Limpid_214 (BK1), Moab_222 (BK1), Patelgo_223 (BK1),

Start 3:

- Found in 4 of 10 (40.0%) of genes in pham

- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faust_217 (BK1), SeresaTree_221 (BK1), Sham_212 (BK1), TunaTartare_220 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 6 times for cluster BK1.
- Start number 3 was manually annotated 3 times for cluster BK1.

Gene Information:

Gene: Annadreamy_207 Start: 104711, Stop: 105034, Start Num: 2

Candidate Starts for Annadreamy_207:

(Start: 2 @104711 has 6 MA's), (4, 104717), (10, 104798), (12, 104825), (15, 104864), (16, 104870), (17, 104876), (18, 104879), (19, 104885), (20, 104987), (21, 104993),

Gene: Beuffert_215 Start: 108879, Stop: 109202, Start Num: 2

Candidate Starts for Beuffert_215:

(Start: 2 @108879 has 6 MA's), (4, 108885), (10, 108966), (12, 108993), (13, 108996), (15, 109032), (16, 109038), (17, 109044), (19, 109053), (20, 109155), (21, 109161),

Gene: Blueeyedbeauty_216 Start: 108411, Stop: 108734, Start Num: 2

Candidate Starts for Blueeyedbeauty_216:

(Start: 2 @108411 has 6 MA's), (4, 108417), (10, 108498), (12, 108525), (13, 108528), (15, 108564), (16, 108570), (17, 108576), (19, 108585), (20, 108687), (21, 108693),

Gene: Faust_217 Start: 110060, Stop: 110392, Start Num: 3

Candidate Starts for Faust_217:

(1, 110000), (Start: 3 @110060 has 3 MA's), (5, 110072), (7, 110087), (14, 110189), (15, 110213), (17, 110225), (21, 110342),

Gene: Limpid_214 Start: 110024, Stop: 110347, Start Num: 2

Candidate Starts for Limpid_214:

(Start: 2 @110024 has 6 MA's), (4, 110030), (10, 110111), (12, 110138), (15, 110177), (16, 110183), (17, 110189), (18, 110192), (19, 110198), (20, 110300), (21, 110306),

Gene: Moab_222 Start: 110575, Stop: 110913, Start Num: 2

Candidate Starts for Moab_222:

(Start: 2 @110575 has 6 MA's), (4, 110581), (6, 110590), (7, 110602), (10, 110662), (11, 110683), (15, 110728), (19, 110749),

Gene: Patelgo_223 Start: 111005, Stop: 111343, Start Num: 2

Candidate Starts for Patelgo_223:

(Start: 2 @111005 has 6 MA's), (4, 111011), (6, 111020), (7, 111032), (10, 111092), (11, 111113), (15, 111158), (19, 111179),

Gene: SeresaTree_221 Start: 110046, Stop: 110378, Start Num: 3

Candidate Starts for SeresaTree_221:

(1, 109986), (Start: 3 @110046 has 3 MA's), (5, 110058), (7, 110073), (14, 110175), (15, 110199), (17, 110211), (21, 110328),

Gene: Sham_212 Start: 110948, Stop: 111280, Start Num: 3

Candidate Starts for Sham_212:

(Start: 3 @110948 has 3 MA's), (5, 110960), (7, 110975), (8, 110987), (15, 111101), (21, 111230), (22, 111233), (23, 111245),

Gene: TunaTartare_220 Start: 113242, Stop: 113574, Start Num: 3

Candidate Starts for TunaTartare_220:

(Start: 3 @113242 has 3 MA's), (5, 113254), (7, 113269), (8, 113281), (9, 113296), (15, 113395), (17, 113407), (22, 113527), (23, 113539),