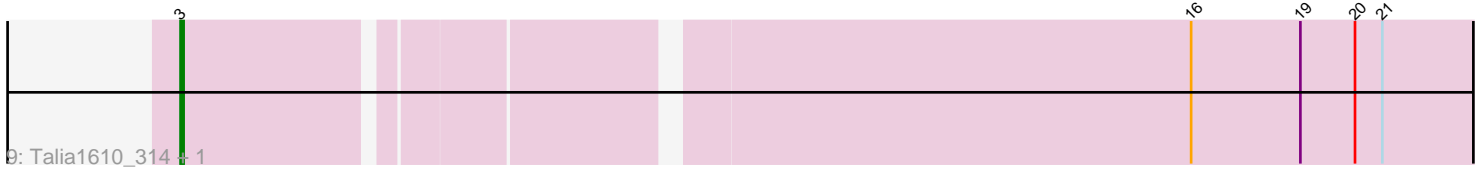
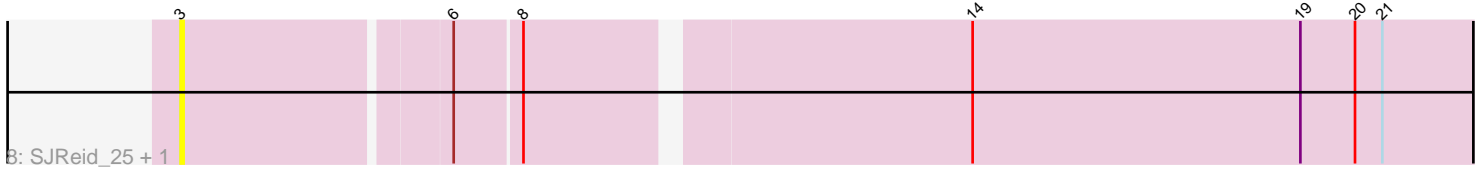
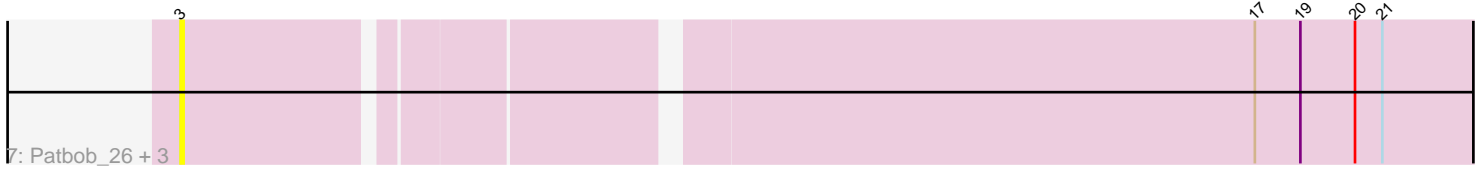
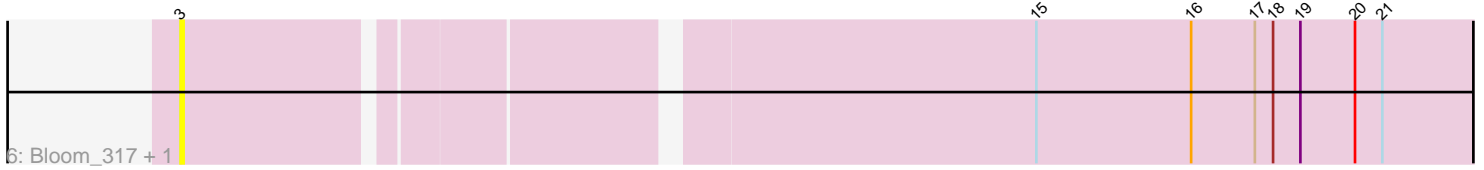
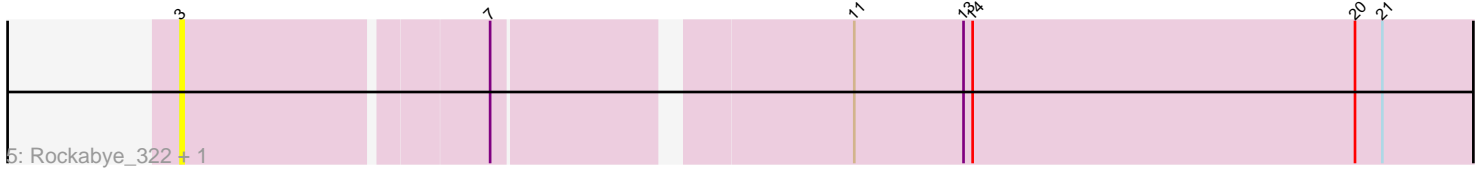
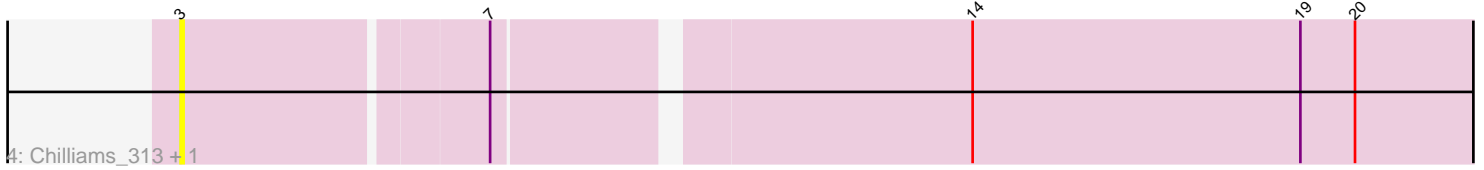
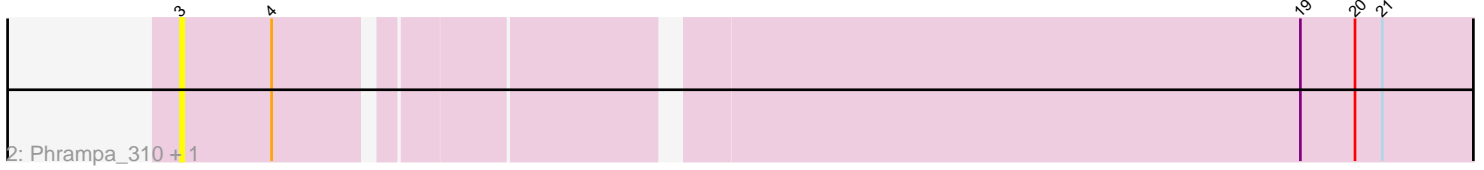
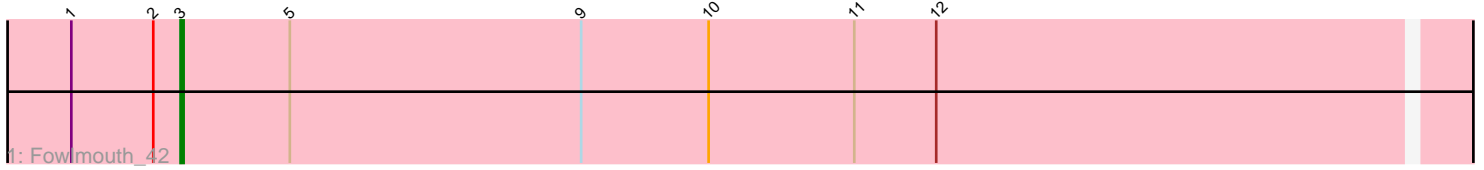


Pham 203302



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 203302 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203302 has 21 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Fowlmouth_42
- Track 2 : Phrampa_310, Phrampa_25
- Track 3 : Racecar_29, Mimi_31, Mimi_321, Racecar_318
- Track 4 : Chilliams_313, Chilliams_22
- Track 5 : Rockabye_322, Rockabye_23
- Track 6 : Bloom_317, Bloom_30
- Track 7 : Patbob_26, GoldenEssence_14, Patbob_316, GoldenEssence_296
- Track 8 : SJReid_25, SJReid_336
- Track 9 : Talia1610_314, Talia1610_28

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_30, Bloom_317, Chilliams_22, Chilliams_313, Fowlmouth_42, GoldenEssence_14, GoldenEssence_296, Mimi_31, Mimi_321, Patbob_26, Patbob_316, Phrampa_25, Phrampa_310, Racecar_29, Racecar_318, Rockabye_23, Rockabye_322, SJReid_25, SJReid_336, Talia1610_28, Talia1610_314,

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 3:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bloom_30 (FC), Bloom_317 (FC), Chilliams_22 (FC), Chilliams_313 (FC), Fowlmouth_42 (AC), GoldenEssence_14 (FC), GoldenEssence_296 (FC), Mimi_31 (FC), Mimi_321 (FC), Patbob_26 (FC), Patbob_316 (FC), Phrampa_25 (FC), Phrampa_310 (FC), Racecar_29 (FC), Racecar_318 (FC), Rockabye_23 (FC), Rockabye_322 (FC), SJReid_25 (FC), SJReid_336 (FC), Talia1610_28 (FC), Talia1610_314 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: AC, FC,

Info for manual annotations of cluster AC:

- Start number 3 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Bloom_317 Start: 186701, Stop: 187111, Start Num: 3

Candidate Starts for Bloom_317:

(Start: 3 @186701 has 5 MA's), (15, 186962), (16, 187013), (17, 187034), (18, 187040), (19, 187049), (20, 187067), (21, 187076),

Gene: Bloom_30 Start: 13226, Stop: 13636, Start Num: 3

Candidate Starts for Bloom_30:

(Start: 3 @13226 has 5 MA's), (15, 13487), (16, 13538), (17, 13559), (18, 13565), (19, 13574), (20, 13592), (21, 13601),

Gene: Chilliams_313 Start: 183819, Stop: 184232, Start Num: 3

Candidate Starts for Chilliams_313:

(Start: 3 @183819 has 5 MA's), (7, 183915), (14, 184062), (19, 184170), (20, 184188),

Gene: Chilliams_22 Start: 11085, Stop: 11498, Start Num: 3

Candidate Starts for Chilliams_22:

(Start: 3 @11085 has 5 MA's), (7, 11181), (14, 11328), (19, 11436), (20, 11454),

Gene: Fowlmouth_42 Start: 34548, Stop: 34970, Start Num: 3

Candidate Starts for Fowlmouth_42:

(1, 34512), (2, 34539), (Start: 3 @34548 has 5 MA's), (5, 34584), (9, 34680), (10, 34722), (11, 34770), (12, 34797),

Gene: GoldenEssence_14 Start: 7035, Stop: 7445, Start Num: 3

Candidate Starts for GoldenEssence_14:

(Start: 3 @7035 has 5 MA's), (17, 7368), (19, 7383), (20, 7401), (21, 7410),

Gene: GoldenEssence_296 Start: 177588, Stop: 177998, Start Num: 3

Candidate Starts for GoldenEssence_296:

(Start: 3 @177588 has 5 MA's), (17, 177921), (19, 177936), (20, 177954), (21, 177963),

Gene: Mimi_31 Start: 12679, Stop: 13089, Start Num: 3

Candidate Starts for Mimi_31:

(Start: 3 @12679 has 5 MA's), (16, 12991), (17, 13012), (18, 13018), (19, 13027), (20, 13045), (21, 13054),

Gene: Mimi_321 Start: 185339, Stop: 185749, Start Num: 3

Candidate Starts for Mimi_321:

(Start: 3 @185339 has 5 MA's), (16, 185651), (17, 185672), (18, 185678), (19, 185687), (20, 185705), (21, 185714),

Gene: Patbob_26 Start: 12841, Stop: 13251, Start Num: 3

Candidate Starts for Patbob_26:

(Start: 3 @12841 has 5 MA's), (17, 13174), (19, 13189), (20, 13207), (21, 13216),

Gene: Patbob_316 Start: 188300, Stop: 188710, Start Num: 3

Candidate Starts for Patbob_316:

(Start: 3 @188300 has 5 MA's), (17, 188633), (19, 188648), (20, 188666), (21, 188675),

Gene: Phrampa_310 Start: 187466, Stop: 187876, Start Num: 3

Candidate Starts for Phrampa_310:

(Start: 3 @187466 has 5 MA's), (4, 187496), (19, 187814), (20, 187832), (21, 187841),

Gene: Phrampa_25 Start: 11095, Stop: 11505, Start Num: 3

Candidate Starts for Phrampa_25:

(Start: 3 @11095 has 5 MA's), (4, 11125), (19, 11443), (20, 11461), (21, 11470),

Gene: Racecar_29 Start: 13270, Stop: 13680, Start Num: 3

Candidate Starts for Racecar_29:

(Start: 3 @13270 has 5 MA's), (16, 13582), (17, 13603), (18, 13609), (19, 13618), (20, 13636), (21, 13645),

Gene: Racecar_318 Start: 186979, Stop: 187389, Start Num: 3

Candidate Starts for Racecar_318:

(Start: 3 @186979 has 5 MA's), (16, 187291), (17, 187312), (18, 187318), (19, 187327), (20, 187345), (21, 187354),

Gene: Rockabye_322 Start: 183484, Stop: 183897, Start Num: 3

Candidate Starts for Rockabye_322:

(Start: 3 @183484 has 5 MA's), (7, 183580), (11, 183688), (13, 183724), (14, 183727), (20, 183853), (21, 183862),

Gene: Rockabye_23 Start: 10871, Stop: 11284, Start Num: 3

Candidate Starts for Rockabye_23:

(Start: 3 @10871 has 5 MA's), (7, 10967), (11, 11075), (13, 11111), (14, 11114), (20, 11240), (21, 11249),

Gene: SJReid_25 Start: 11293, Stop: 11706, Start Num: 3

Candidate Starts for SJReid_25:

(Start: 3 @11293 has 5 MA's), (6, 11377), (8, 11398), (14, 11536), (19, 11644), (20, 11662), (21, 11671),

Gene: SJReid_336 Start: 184132, Stop: 184545, Start Num: 3

Candidate Starts for SJReid_336:

(Start: 3 @184132 has 5 MA's), (6, 184216), (8, 184237), (14, 184375), (19, 184483), (20, 184501), (21, 184510),

Gene: Talia1610_314 Start: 187164, Stop: 187574, Start Num: 3

Candidate Starts for Talia1610_314:

(Start: 3 @187164 has 5 MA's), (16, 187476), (19, 187512), (20, 187530), (21, 187539),

Gene: Talia1610_28 Start: 12692, Stop: 13102, Start Num: 3

Candidate Starts for Talia1610_28:

(Start: 3 @12692 has 5 MA's), (16, 13004), (19, 13040), (20, 13058), (21, 13067),