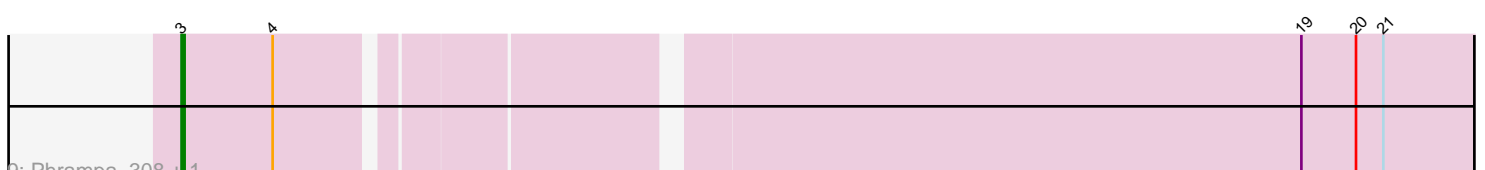
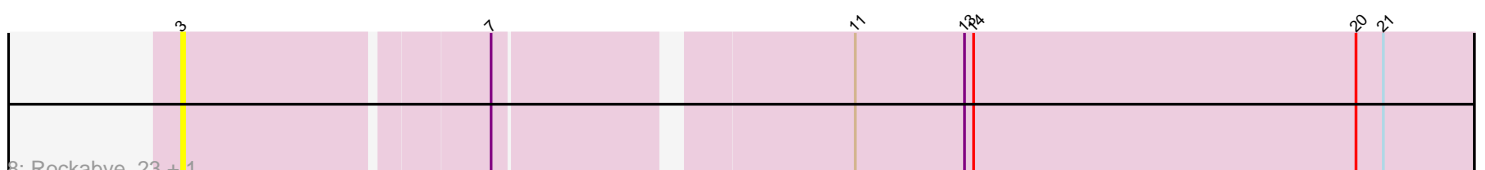
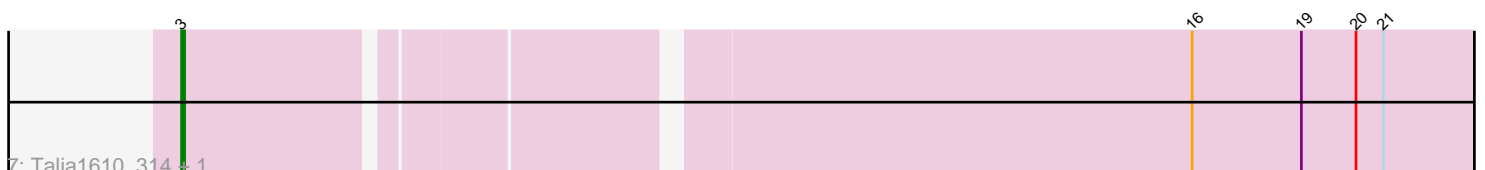
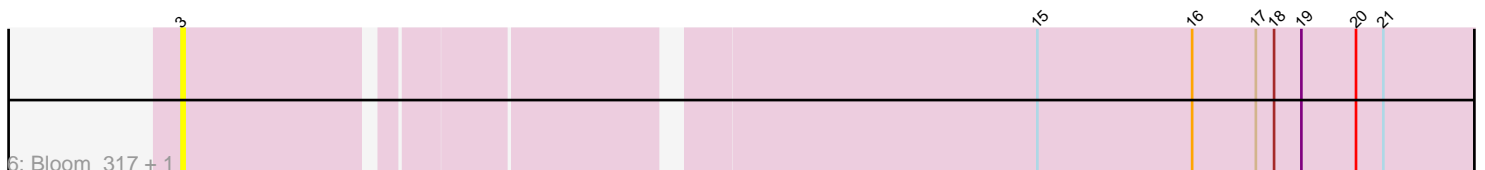
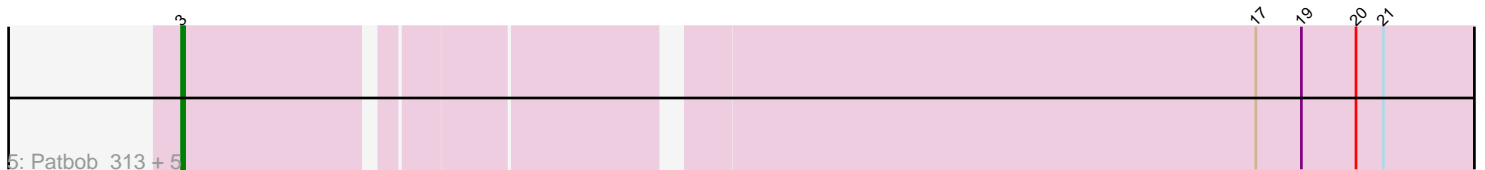
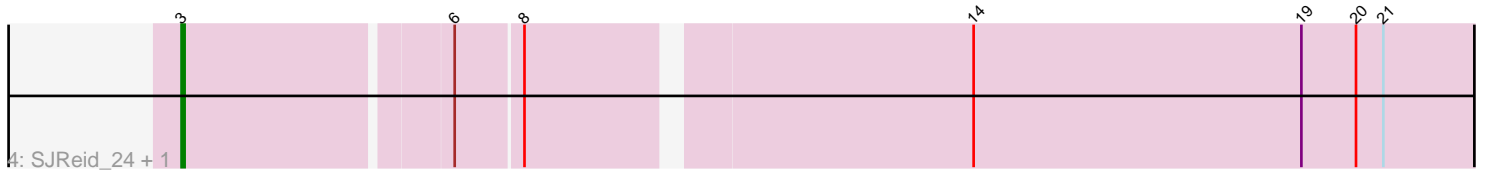
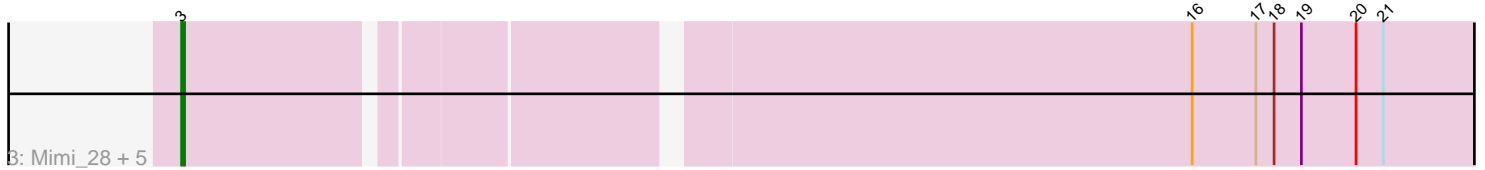
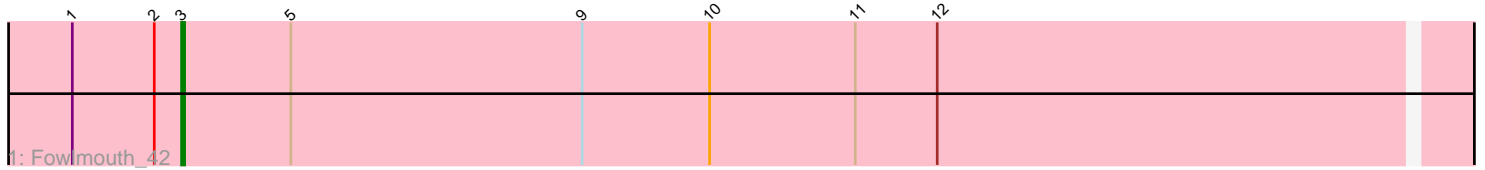


Pham 301690



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 301690 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301690 has 25 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Fowlmouth_42
- Track 2 : Chilliams_313, Chilliams_22
- Track 3 : Mimi_28, Racecar_318, Mimi_313, Racecar_29, FrostedClock_30, FrostedClock_315
- Track 4 : SJReid_24, SJReid_333
- Track 5 : Patbob_313, Patbob_27, GoldenEssence_14, FloraSnap32_310, GoldenEssence_295, FloraSnap32_25
- Track 6 : Bloom_317, Bloom_30
- Track 7 : Talia1610_314, Talia1610_28
- Track 8 : Rockabye_23, Rockabye_322
- Track 9 : Phrampa_308, Phrampa_24

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_30, Bloom_317, Chilliams_22, Chilliams_313, FloraSnap32_25, FloraSnap32_310, Fowlmouth_42, FrostedClock_30, FrostedClock_315, GoldenEssence_14, GoldenEssence_295, Mimi_28, Mimi_313, Patbob_27, Patbob_313, Phrampa_24, Phrampa_308, Racecar_29, Racecar_318, Rockabye_23, Rockabye_322, SJReid_24, SJReid_333, 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 25 of 25 (100.0%) of genes in pham

- Manual Annotations of this start: 15 of 15
- 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), FloraSnap32_25 (FC), FloraSnap32_310 (FC), Fowlmouth_42 (AC), FrostedClock_30 (FC), FrostedClock_315 (FC), GoldenEssence_14 (FC), GoldenEssence_295 (FC), Mimi_28 (FC), Mimi_313 (FC), Patbob_27 (FC), Patbob_313 (FC), Phrampa_24 (FC), Phrampa_308 (FC), Racecar_29 (FC), Racecar_318 (FC), Rockabye_23 (FC), Rockabye_322 (FC), SJReid_24 (FC), SJReid_333 (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 14 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 15 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 15 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 15 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 15 MA's), (7, 11181), (14, 11328), (19, 11436), (20, 11454),

Gene: FloraSnap32_310 Start: 185794, Stop: 186204, Start Num: 3

Candidate Starts for FloraSnap32_310:

(Start: 3 @185794 has 15 MA's), (17, 186127), (19, 186142), (20, 186160), (21, 186169),

Gene: FloraSnap32_25 Start: 11656, Stop: 12066, Start Num: 3

Candidate Starts for FloraSnap32_25:

(Start: 3 @11656 has 15 MA's), (17, 11989), (19, 12004), (20, 12022), (21, 12031),

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

Candidate Starts for Fowlmouth_42:

(1, 34512), (2, 34539), (Start: 3 @34548 has 15 MA's), (5, 34584), (9, 34680), (10, 34722), (11, 34770), (12, 34797),

Gene: FrostedClock_30 Start: 12784, Stop: 13194, Start Num: 3

Candidate Starts for FrostedClock_30:

(Start: 3 @12784 has 15 MA's), (16, 13096), (17, 13117), (18, 13123), (19, 13132), (20, 13150), (21, 13159),

Gene: FrostedClock_315 Start: 186584, Stop: 186994, Start Num: 3

Candidate Starts for FrostedClock_315:

(Start: 3 @186584 has 15 MA's), (16, 186896), (17, 186917), (18, 186923), (19, 186932), (20, 186950), (21, 186959),

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

Candidate Starts for GoldenEssence_14:

(Start: 3 @7035 has 15 MA's), (17, 7368), (19, 7383), (20, 7401), (21, 7410),

Gene: GoldenEssence_295 Start: 177588, Stop: 177998, Start Num: 3

Candidate Starts for GoldenEssence_295:

(Start: 3 @177588 has 15 MA's), (17, 177921), (19, 177936), (20, 177954), (21, 177963),

Gene: Mimi_28 Start: 12679, Stop: 13089, Start Num: 3

Candidate Starts for Mimi_28:

(Start: 3 @12679 has 15 MA's), (16, 12991), (17, 13012), (18, 13018), (19, 13027), (20, 13045), (21, 13054),

Gene: Mimi_313 Start: 185339, Stop: 185749, Start Num: 3

Candidate Starts for Mimi_313:

(Start: 3 @185339 has 15 MA's), (16, 185651), (17, 185672), (18, 185678), (19, 185687), (20, 185705), (21, 185714),

Gene: Patbob_313 Start: 188300, Stop: 188710, Start Num: 3

Candidate Starts for Patbob_313:

(Start: 3 @188300 has 15 MA's), (17, 188633), (19, 188648), (20, 188666), (21, 188675),

Gene: Patbob_27 Start: 12841, Stop: 13251, Start Num: 3

Candidate Starts for Patbob_27:

(Start: 3 @12841 has 15 MA's), (17, 13174), (19, 13189), (20, 13207), (21, 13216),

Gene: Phrampa_308 Start: 187466, Stop: 187876, Start Num: 3

Candidate Starts for Phrampa_308:

(Start: 3 @187466 has 15 MA's), (4, 187496), (19, 187814), (20, 187832), (21, 187841),

Gene: Phrampa_24 Start: 11095, Stop: 11505, Start Num: 3

Candidate Starts for Phrampa_24:

(Start: 3 @11095 has 15 MA's), (4, 11125), (19, 11443), (20, 11461), (21, 11470),

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

Candidate Starts for Racecar_318:

(Start: 3 @186979 has 15 MA's), (16, 187291), (17, 187312), (18, 187318), (19, 187327), (20, 187345), (21, 187354),

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

Candidate Starts for Racecar_29:

(Start: 3 @13270 has 15 MA's), (16, 13582), (17, 13603), (18, 13609), (19, 13618), (20, 13636), (21, 13645),

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

Candidate Starts for Rockabye_23:

(Start: 3 @10871 has 15 MA's), (7, 10967), (11, 11075), (13, 11111), (14, 11114), (20, 11240), (21, 11249),

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

Candidate Starts for Rockabye_322:

(Start: 3 @183484 has 15 MA's), (7, 183580), (11, 183688), (13, 183724), (14, 183727), (20, 183853), (21, 183862),

Gene: SJReid_24 Start: 11293, Stop: 11706, Start Num: 3

Candidate Starts for SJReid_24:

(Start: 3 @11293 has 15 MA's), (6, 11377), (8, 11398), (14, 11536), (19, 11644), (20, 11662), (21, 11671),

Gene: SJReid_333 Start: 184132, Stop: 184545, Start Num: 3

Candidate Starts for SJReid_333:

(Start: 3 @184132 has 15 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 15 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 15 MA's), (16, 13004), (19, 13040), (20, 13058), (21, 13067),