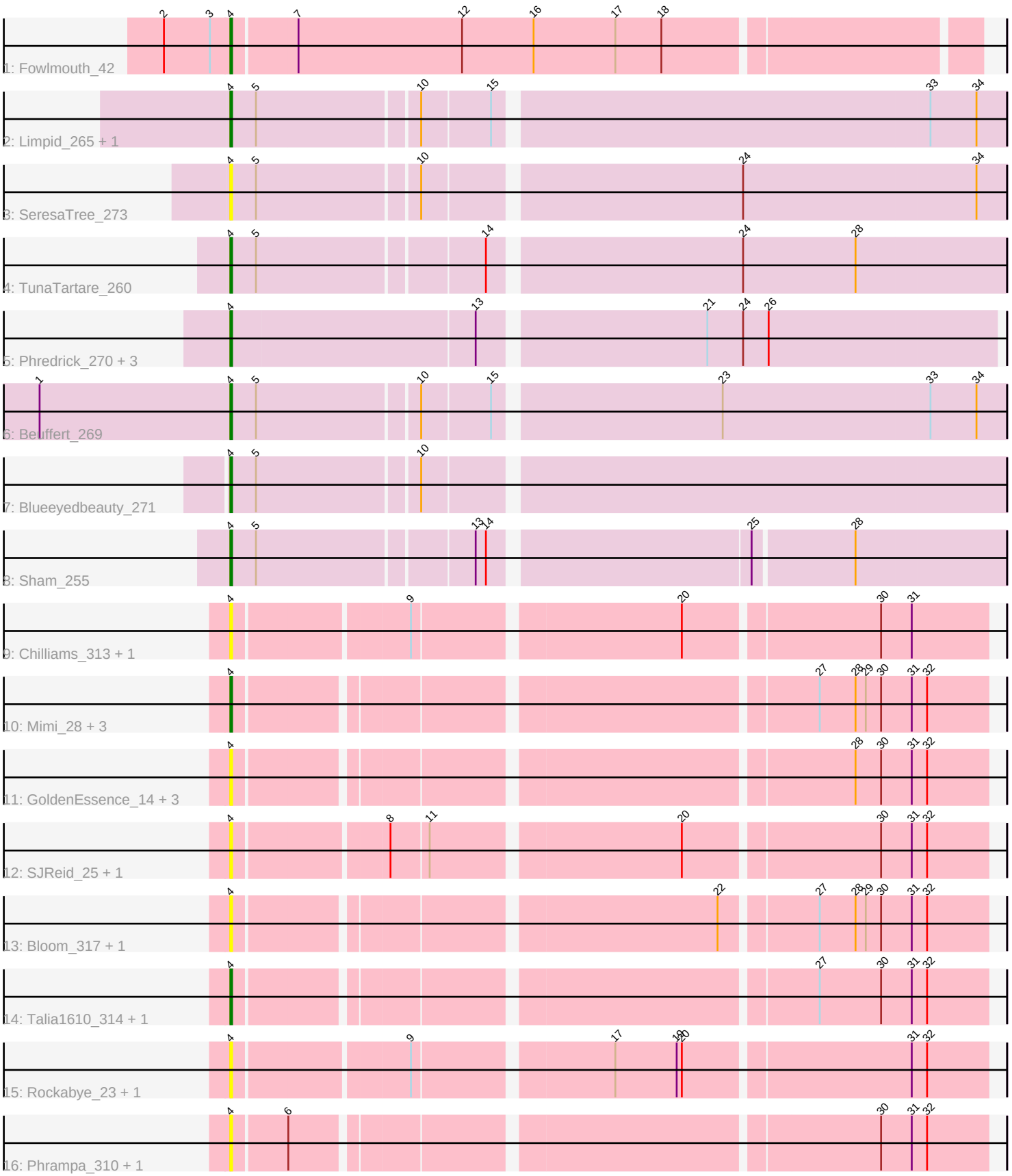
Pham 216409


1: Fowlmouth_42
2: Limpid_265 + 1
3: SeresaTree_273
4: TunaTartare_260
5: Phredrick_270 + 3
6: Beuffert_269
7: Blueeyedbeauty_271
8: Sham_255
9: Chilliams_313 + 1
10: Mimi_28 + 3
11: GoldenEssence_14 + 3
12: SJReid_25 + 1
13: Bloom_317 + 1
14: Talia1610_314 + 1
15: Rockabye_23 + 1
16: Phrampa_310 + 1

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 216409 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216409 has 32 members, 15 are drafts.

Phages represented in each track:
- Track 1 : Fowlmouth_42
- Track 2 : Limpid_265, Annadreamy_259
- Track 3 : SeresaTree_273
- Track 4 : TunaTartare_260
- Track 5 : Phredrick_270, Jada_264, Forrest_263, Emma1919_265
- Track 6 : Beuffert_269
- Track 7 : Blueeyedbeauty_271
- Track 8 : Sham_255
- Track 9 : Chilliams_313, Chilliams_22
- Track 10 : Mimi_28, Racecar_318, Mimi_313, Racecar_29
- Track 11 : GoldenEssence_14, Patbob_26, Patbob_316, GoldenEssence_296
- Track 12 : SJReid_25, SJReid_336
- Track 13 : Bloom_317, Bloom_30
- Track 14 : Talia1610_314, Talia1610_28
- Track 15 : Rockabye_23, Rockabye_322
- Track 16 : Phrampa_310, Phrampa_25

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Annadreamy_259, Beuffert_269, Bloom_30, Bloom_317, Blueeyedbeauty_271, Chilliams_22, Chilliams_313, Emma1919_265, Forrest_263, Fowlmouth_42, GoldenEssence_14, GoldenEssence_296, Jada_264, Limpid_265, Mimi_28, Mimi_313, Patbob_26, Patbob_316, Phrampa_25, Phrampa_310, Phredrick_270, Racecar_29, Racecar_318, Rockabye_23, Rockabye_322, SJReid_25, SJReid_336, SeresaTree_273, Sham_255, Talia1610_28, Talia1610_314, TunaTartare_260,

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

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Summary by start number:

Start 4:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_259 (BK1), Beuffert_269 (BK1), Bloom_30 (FC), Bloom_317 (FC), Blueeyedbeauty_271 (BK1), Chilliams_22 (FC), Chilliams_313 (FC), Emma1919_265 (BK1), Forrest_263 (BK1), Fowlmouth_42 (AC), GoldenEssence_14 (FC), GoldenEssence_296 (FC), Jada_264 (BK1), Limpid_265 (BK1), Mimi_28 (FC), Mimi_313 (FC), Patbob_26 (FC), Patbob_316 (FC), Phrampa_25 (FC), Phrampa_310 (FC), Phredrick_270 (BK1), Racecar_29 (FC), Racecar_318 (FC), Rockabye_23 (FC), Rockabye_322 (FC), SJReid_25 (FC), SJReid_336 (FC), SeresaTree_273 (BK1), Sham_255 (BK1), Talia1610_28 (FC), Talia1610_314 (FC), TunaTartare_260 (BK1),

Summary by clusters:

There are 3 clusters represented in this pham: AC, FC, BK1,

Info for manual annotations of cluster AC:
•Start number 4 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster BK1:
•Start number 4 was manually annotated 10 times for cluster BK1.

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Annadreamy_259 Start: 123082, Stop: 123516, Start Num: 4
Candidate Starts for Annadreamy_259:
(Start: 4 @123082 has 17 MA's), (5, 123097), (10, 123187), (15, 123226), (33, 123472), (34, 123499),

Gene: Beuffert_269 Start: 127307, Stop: 127741, Start Num: 4
Candidate Starts for Beuffert_269:
(1, 127199), (Start: 4 @127307 has 17 MA's), (5, 127322), (10, 127412), (15, 127451), (23, 127577), (33, 127697), (34, 127724),

Gene: Bloom_317 Start: 186701, Stop: 187111, Start Num: 4
Candidate Starts for Bloom_317:
(Start: 4 @186701 has 17 MA's), (22, 186962), (27, 187013), (28, 187034), (29, 187040), (30, 187049), (31, 187067), (32, 187076),

Gene: Bloom_30 Start: 13226, Stop: 13636, Start Num: 4
Candidate Starts for Bloom_30:
(Start: 4 @13226 has 17 MA's), (22, 13487), (27, 13538), (28, 13559), (29, 13565), (30, 13574), (31, 13592), (32, 13601),

Gene: Blueeyedbeauty_271 Start: 127676, Stop: 128110, Start Num: 4
Candidate Starts for Blueeyedbeauty_271:
(Start: 4 @127676 has 17 MA's), (5, 127691), (10, 127781),

Gene: Chilliams_313 Start: 183819, Stop: 184232, Start Num: 4
Candidate Starts for Chilliams_313:
(Start: 4 @183819 has 17 MA's), (9, 183915), (20, 184062), (30, 184170), (31, 184188),

Gene: Chilliams_22 Start: 11085, Stop: 11498, Start Num: 4
Candidate Starts for Chilliams_22:
(Start: 4 @11085 has 17 MA's), (9, 11181), (20, 11328), (30, 11436), (31, 11454),

Gene: Emma1919_265 Start: 125807, Stop: 126241, Start Num: 4
Candidate Starts for Emma1919_265:
(Start: 4 @125807 has 17 MA's), (13, 125948), (21, 126074), (24, 126095), (26, 126110),

Gene: Forrest_263 Start: 126244, Stop: 126678, Start Num: 4
Candidate Starts for Forrest_263:
(Start: 4 @126244 has 17 MA's), (13, 126385), (21, 126511), (24, 126532), (26, 126547),

Gene: Fowlmouth_42 Start: 34548, Stop: 34970, Start Num: 4
Candidate Starts for Fowlmouth_42:
(2, 34512), (3, 34539), (Start: 4 @34548 has 17 MA's), (7, 34584), (12, 34680), (16, 34722), (17, 34770), (18, 34797),

Gene: GoldenEssence_14 Start: 7035, Stop: 7445, Start Num: 4
Candidate Starts for GoldenEssence_14:
(Start: 4 @7035 has 17 MA's), (28, 7368), (30, 7383), (31, 7401), (32, 7410),

Gene: GoldenEssence_296 Start: 177588, Stop: 177998, Start Num: 4
Candidate Starts for GoldenEssence_296:
(Start: 4 @177588 has 17 MA's), (28, 177921), (30, 177936), (31, 177954), (32, 177963),

Gene: Jada_264 Start: 125484, Stop: 125918, Start Num: 4
Candidate Starts for Jada_264:
(Start: 4 @125484 has 17 MA's), (13, 125625), (21, 125751), (24, 125772), (26, 125787),

Gene: Limpid_265 Start: 128395, Stop: 128829, Start Num: 4
Candidate Starts for Limpid_265:
(Start: 4 @128395 has 17 MA's), (5, 128410), (10, 128500), (15, 128539), (33, 128785), (34, 128812),

Gene: Mimi_28 Start: 12679, Stop: 13089, Start Num: 4
Candidate Starts for Mimi_28:
(Start: 4 @12679 has 17 MA's), (27, 12991), (28, 13012), (29, 13018), (30, 13027), (31, 13045), (32, 13054),

Gene: Mimi_313 Start: 185339, Stop: 185749, Start Num: 4
Candidate Starts for Mimi_313:
(Start: 4 @185339 has 17 MA's), (27, 185651), (28, 185672), (29, 185678), (30, 185687), (31, 185705), (32, 185714),

Gene: Patbob_26 Start: 12841, Stop: 13251, Start Num: 4

Candidate Starts for Patbob_26:
(Start: 4 @12841 has 17 MA's), (28, 13174), (30, 13189), (31, 13207), (32, 13216),

Gene: Patbob_316 Start: 188300, Stop: 188710, Start Num: 4
Candidate Starts for Patbob_316:
(Start: 4 @188300 has 17 MA's), (28, 188633), (30, 188648), (31, 188666), (32, 188675),

Gene: Phrampa_310 Start: 187466, Stop: 187876, Start Num: 4
Candidate Starts for Phrampa_310:
(Start: 4 @187466 has 17 MA's), (6, 187496), (30, 187814), (31, 187832), (32, 187841),

Gene: Phrampa_25 Start: 11095, Stop: 11505, Start Num: 4
Candidate Starts for Phrampa_25:
(Start: 4 @11095 has 17 MA's), (6, 11125), (30, 11443), (31, 11461), (32, 11470),

Gene: Phredrick_270 Start: 126605, Stop: 127039, Start Num: 4
Candidate Starts for Phredrick_270:
(Start: 4 @126605 has 17 MA's), (13, 126746), (21, 126872), (24, 126893), (26, 126908),

Gene: Racecar_318 Start: 186979, Stop: 187389, Start Num: 4
Candidate Starts for Racecar_318:
(Start: 4 @186979 has 17 MA's), (27, 187291), (28, 187312), (29, 187318), (30, 187327), (31, 187345), (32, 187354),

Gene: Racecar_29 Start: 13270, Stop: 13680, Start Num: 4
Candidate Starts for Racecar_29:
(Start: 4 @13270 has 17 MA's), (27, 13582), (28, 13603), (29, 13609), (30, 13618), (31, 13636), (32, 13645),

Gene: Rockabye_23 Start: 10871, Stop: 11284, Start Num: 4
Candidate Starts for Rockabye_23:
(Start: 4 @10871 has 17 MA's), (9, 10967), (17, 11075), (19, 11111), (20, 11114), (31, 11240), (32, 11249),

Gene: Rockabye_322 Start: 183484, Stop: 183897, Start Num: 4
Candidate Starts for Rockabye_322:
(Start: 4 @183484 has 17 MA's), (9, 183580), (17, 183688), (19, 183724), (20, 183727), (31, 183853), (32, 183862),

Gene: SJReid_25 Start: 11293, Stop: 11706, Start Num: 4
Candidate Starts for SJReid_25:
(Start: 4 @11293 has 17 MA's), (8, 11377), (11, 11398), (20, 11536), (30, 11644), (31, 11662), (32, 11671),

Gene: SJReid_336 Start: 184132, Stop: 184545, Start Num: 4
Candidate Starts for SJReid_336:
(Start: 4 @184132 has 17 MA's), (8, 184216), (11, 184237), (20, 184375), (30, 184483), (31, 184501), (32, 184510),

Gene: SeresaTree_273 Start: 128254, Stop: 128688, Start Num: 4
Candidate Starts for SeresaTree_273:
(Start: 4 @128254 has 17 MA's), (5, 128269), (10, 128359), (24, 128536), (34, 128671),

Gene: Sham_255 Start: 127027, Stop: 127455, Start Num: 4
Candidate Starts for Sham_255:
(Start: 4 @127027 has 17 MA's), (5, 127042), (13, 127162), (14, 127168), (25, 127312), (28, 127369),

Gene: Talia1610_314 Start: 187164, Stop: 187574, Start Num: 4
Candidate Starts for Talia1610_314:
(Start: 4 @187164 has 17 MA's), (27, 187476), (30, 187512), (31, 187530), (32, 187539),

Gene: Talia1610_28 Start: 12692, Stop: 13102, Start Num: 4
Candidate Starts for Talia1610_28:
(Start: 4 @12692 has 17 MA's), (27, 13004), (30, 13040), (31, 13058), (32, 13067),

Gene: TunaTartare_260 Start: 127643, Stop: 128077, Start Num: 4
Candidate Starts for TunaTartare_260:
(Start: 4 @127643 has 17 MA's), (5, 127658), (14, 127784), (24, 127925), (28, 127991),