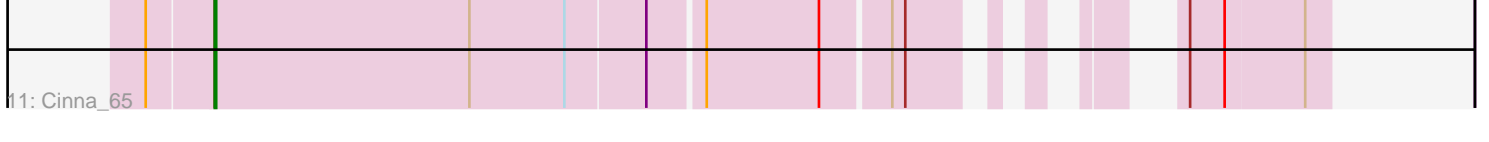
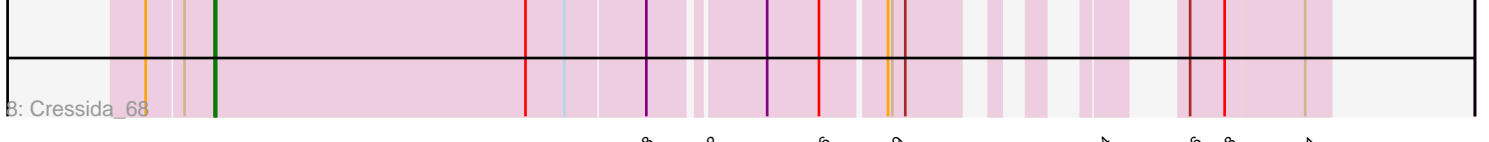
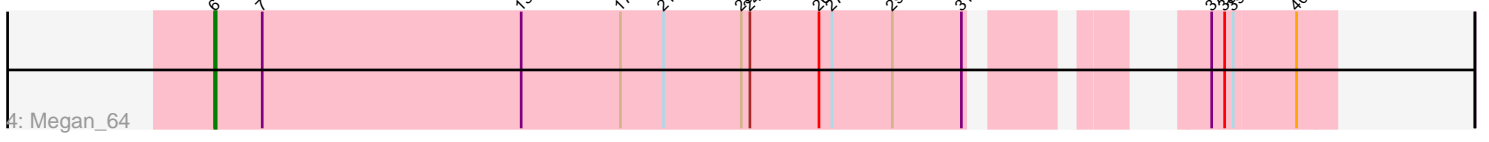
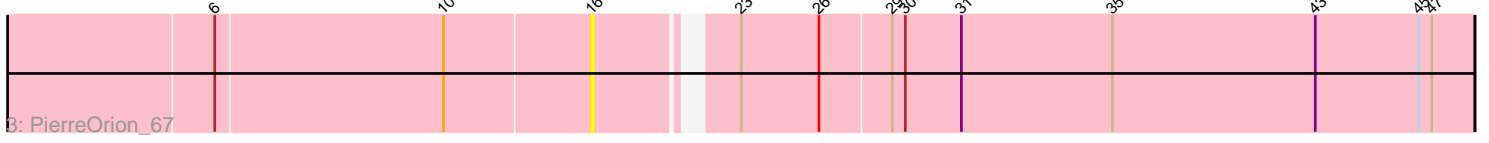
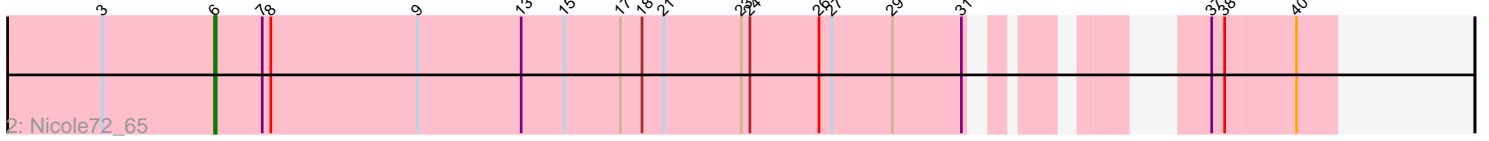


Pham 216757



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 216757 Report

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

Pham number 216757 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Jayden_68
- Track 2 : Nicole72_65
- Track 3 : PierreOrion_67
- Track 4 : Megan_64
- Track 5 : MementoMori_66
- Track 6 : Kozie_65
- Track 7 : Matzah_67
- Track 8 : Cressida_68
- Track 9 : Terij_65
- Track 10 : Margaery_64
- Track 11 : Cinna_65

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cinna_65, Cressida_68, Kozie_65, Margaery_64, Matzah_67, Megan_64, MementoMori_66, Nicole72_65, Terij_65,

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

- Jayden_68, PierreOrion_67,

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

-

Summary by start number:

Start 6:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 81.8% of time when present

- Phage (with cluster) where this start called: Cinna_65 (EI), Cressida_68 (EI), Kozie_65 (EI), Margaery_64 (EI), Matzah_67 (EI), Megan_64 (EC), MementoMori_66 (EI), Nicole72_65 (EC), Terij_65 (EI),

Start 10:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Jayden_68 (EC),

Start 16:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PierreOrion_67 (EC),

Summary by clusters:

There are 2 clusters represented in this pham: EI, EC,

Info for manual annotations of cluster EC:

- Start number 6 was manually annotated 2 times for cluster EC.
- Start number 10 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EI:

- Start number 6 was manually annotated 7 times for cluster EI.

Gene Information:

Gene: Cinna_65 Start: 43270, Stop: 43929, Start Num: 6

Candidate Starts for Cinna_65:

(4, 43228), (Start: 6 @43270 has 9 MA's), (11, 43447), (15, 43513), (19, 43567), (22, 43603), (26, 43681), (29, 43726), (30, 43735), (36, 43834), (38, 43858), (41, 43912),

Gene: Cressida_68 Start: 42876, Stop: 43529, Start Num: 6

Candidate Starts for Cressida_68:

(4, 42834), (5, 42858), (Start: 6 @42876 has 9 MA's), (14, 43092), (15, 43119), (19, 43173), (25, 43245), (26, 43281), (28, 43323), (29, 43326), (30, 43335), (36, 43434), (38, 43458), (41, 43512),

Gene: Jayden_68 Start: 42363, Stop: 42914, Start Num: 10

Candidate Starts for Jayden_68:

(1, 42096), (2, 42120), (Start: 6 @42207 has 9 MA's), (Start: 10 @42363 has 1 MA's), (15, 42444), (26, 42591), (28, 42636), (29, 42639), (31, 42687), (44, 42807), (46, 42882), (47, 42885),

Gene: Kozie_65 Start: 42511, Stop: 43170, Start Num: 6

Candidate Starts for Kozie_65:

(5, 42493), (Start: 6 @42511 has 9 MA's), (12, 42706), (17, 42784), (26, 42913), (29, 42958), (32, 43018), (33, 43033), (37, 43087), (42, 43156),

Gene: Margaery_64 Start: 42479, Stop: 43135, Start Num: 6

Candidate Starts for Margaery_64:

(5, 42458), (Start: 6 @42479 has 9 MA's), (17, 42755), (20, 42779), (21, 42785), (22, 42809), (23, 42833), (25, 42851), (28, 42929), (29, 42932), (36, 43040), (38, 43064), (41, 43118),

Gene: Matzah_67 Start: 43337, Stop: 43996, Start Num: 6

Candidate Starts for Matzah_67:

(4, 43295), (Start: 6 @43337 has 9 MA's), (11, 43514), (19, 43634), (22, 43670), (26, 43748), (29, 43793), (30, 43802), (36, 43901), (38, 43925), (41, 43979),

Gene: Megan_64 Start: 45834, Stop: 46541, Start Num: 6

Candidate Starts for Megan_64:

(Start: 6 @45834 has 9 MA's), (7, 45867), (13, 46047), (17, 46116), (21, 46146), (23, 46200), (24, 46206), (26, 46254), (27, 46263), (29, 46305), (31, 46353), (37, 46458), (38, 46467), (39, 46473), (40, 46515),

Gene: MementoMori_66 Start: 42932, Stop: 43591, Start Num: 6

Candidate Starts for MementoMori_66:

(4, 42890), (Start: 6 @42932 has 9 MA's), (11, 43109), (22, 43265), (28, 43385), (29, 43388), (30, 43397), (36, 43496), (38, 43520), (41, 43574),

Gene: Nicole72_65 Start: 46341, Stop: 47039, Start Num: 6

Candidate Starts for Nicole72_65:

(3, 46266), (Start: 6 @46341 has 9 MA's), (7, 46374), (8, 46380), (9, 46482), (13, 46554), (15, 46584), (17, 46623), (18, 46638), (21, 46653), (23, 46707), (24, 46713), (26, 46761), (27, 46770), (29, 46812), (31, 46860), (37, 46956), (38, 46965), (40, 47013),

Gene: PierreOrion_67 Start: 42179, Stop: 42763, Start Num: 16

Candidate Starts for PierreOrion_67:

(Start: 6 @41924 has 9 MA's), (Start: 10 @42080 has 1 MA's), (16, 42179), (23, 42257), (26, 42311), (29, 42359), (30, 42368), (31, 42407), (35, 42512), (43, 42653), (45, 42725), (47, 42734),

Gene: Terij_65 Start: 41714, Stop: 42370, Start Num: 6

Candidate Starts for Terij_65:

(Start: 6 @41714 has 9 MA's), (18, 42008), (22, 42047), (26, 42125), (29, 42170), (34, 42248), (36, 42275), (38, 42299), (41, 42353),