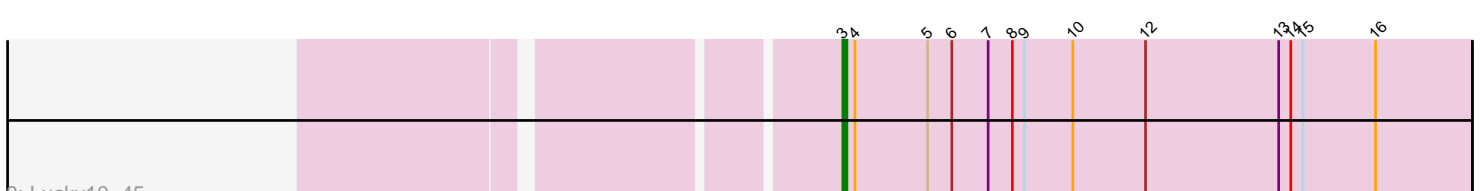
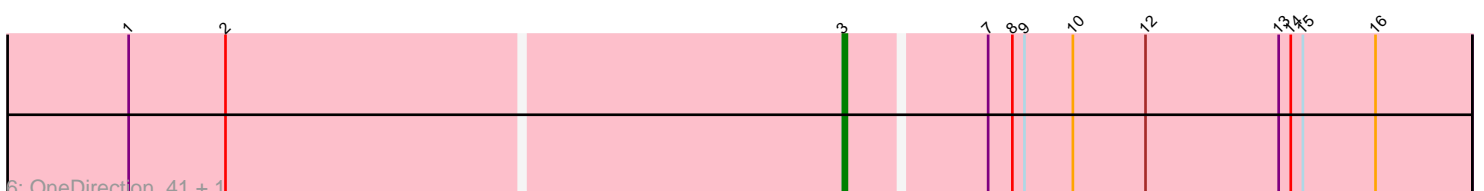
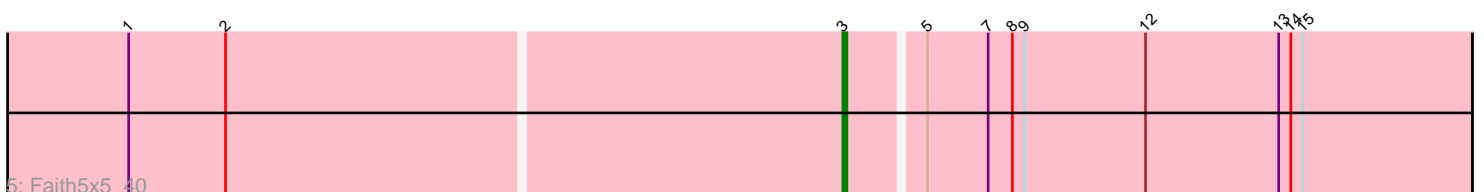
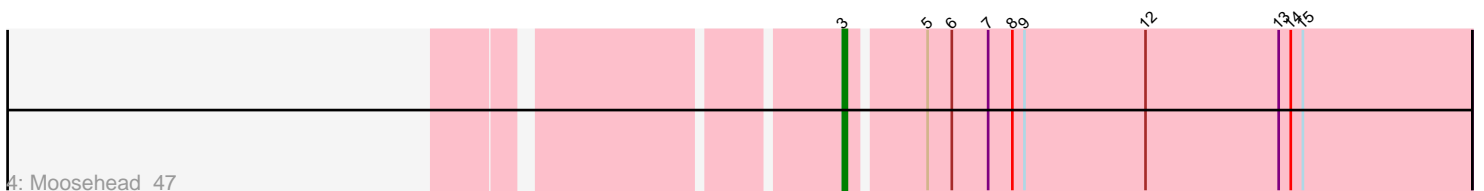
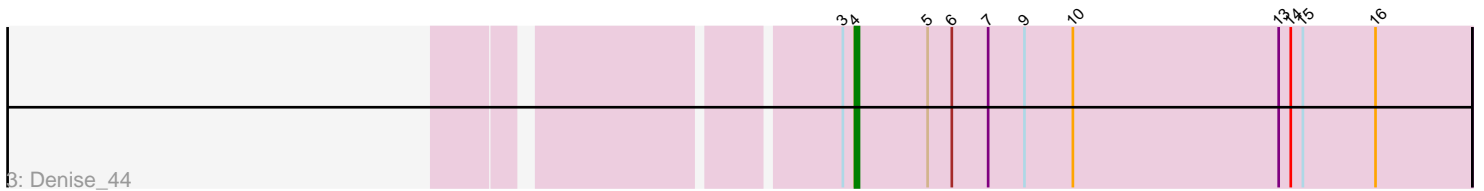
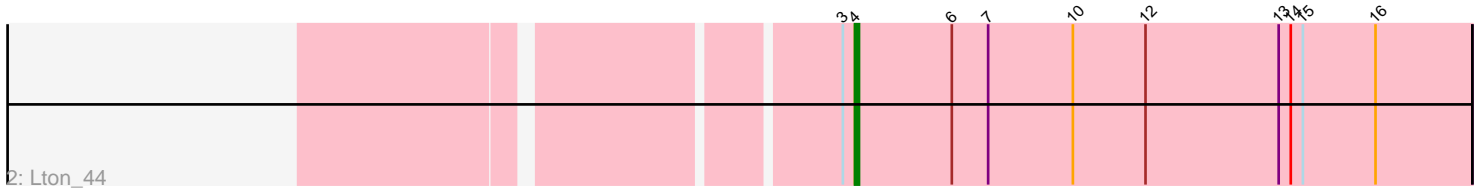
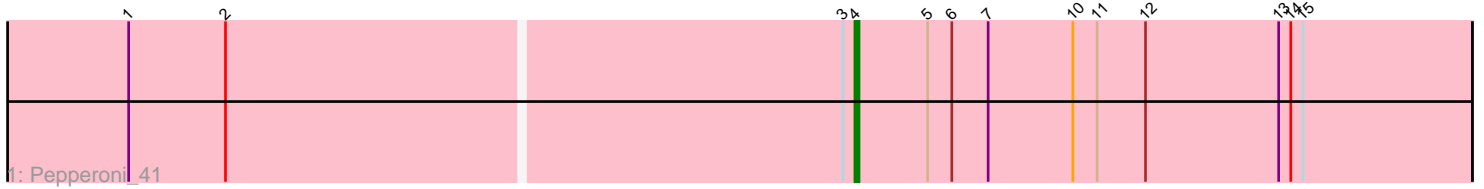


Pham 305502



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 305502 Report

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

Pham number 305502 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Pepperoni_41
- Track 2 : Lton_44
- Track 3 : Denise_44
- Track 4 : Moosehead_47
- Track 5 : Faith5x5_40
- Track 6 : OneDirection_41, Morkie_46
- Track 7 : InLimbo_46, PhorbesPhlower_46
- Track 8 : Lucky10_45

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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Faith5x5_40, InLimbo_46, Lucky10_45, Moosehead_47, Morkie_46, OneDirection_41, PhorbesPhlower_46,

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

- Denise_44, Lton_44, Pepperoni_41,

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

-

Summary by start number:

Start 3:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Faith5x5_40 (CZ6), InLimbo_46 (DH), Lucky10_45 (DH), Moosehead_47 (CZ6), Morkie_46 (DH), OneDirection_41 (CZ6), PhorbesPhlower_46 (DH),

Start 4:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Denise_44 (CZ5), Lton_44 (CZ), Pepperoni_41 (CZ),

Summary by clusters:

There are 4 clusters represented in this pham: CZ, CZ6, DH, CZ5,

Info for manual annotations of cluster CZ:

- Start number 4 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ5:

- Start number 4 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 3 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster DH:

- Start number 3 was manually annotated 3 times for cluster DH.

Gene Information:

Gene: Denise_44 Start: 32315, Stop: 32467, Start Num: 4

Candidate Starts for Denise_44:

(Start: 3 @32312 has 6 MA's), (Start: 4 @32315 has 3 MA's), (5, 32333), (6, 32339), (7, 32348), (9, 32357), (10, 32369), (13, 32420), (14, 32423), (15, 32426), (16, 32444),

Gene: Faith5x5_40 Start: 29956, Stop: 30108, Start Num: 3

Candidate Starts for Faith5x5_40:

(1, 29782), (2, 29806), (Start: 3 @29956 has 6 MA's), (5, 29974), (7, 29989), (8, 29995), (9, 29998), (12, 30028), (13, 30061), (14, 30064), (15, 30067),

Gene: InLimbo_46 Start: 31750, Stop: 31902, Start Num: 3

Candidate Starts for InLimbo_46:

(1, 31573), (2, 31597), (Start: 3 @31750 has 6 MA's), (7, 31783), (10, 31804), (11, 31810), (12, 31822), (13, 31855), (14, 31858), (15, 31861), (16, 31879),

Gene: Lton_44 Start: 29999, Stop: 30151, Start Num: 4

Candidate Starts for Lton_44:

(Start: 3 @29996 has 6 MA's), (Start: 4 @29999 has 3 MA's), (6, 30023), (7, 30032), (10, 30053), (12, 30071), (13, 30104), (14, 30107), (15, 30110), (16, 30128),

Gene: Lucky10_45 Start: 32714, Stop: 32869, Start Num: 3

Candidate Starts for Lucky10_45:

(Start: 3 @32714 has 6 MA's), (Start: 4 @32717 has 3 MA's), (5, 32735), (6, 32741), (7, 32750), (8, 32756), (9, 32759), (10, 32771), (12, 32789), (13, 32822), (14, 32825), (15, 32828), (16, 32846),

Gene: Moosehead_47 Start: 30929, Stop: 31081, Start Num: 3

Candidate Starts for Moosehead_47:

(Start: 3 @30929 has 6 MA's), (5, 30947), (6, 30953), (7, 30962), (8, 30968), (9, 30971), (12, 31001), (13, 31034), (14, 31037), (15, 31040),

Gene: Morkie_46 Start: 31833, Stop: 31985, Start Num: 3

Candidate Starts for Morkie_46:

(1, 31659), (2, 31683), (Start: 3 @31833 has 6 MA's), (7, 31866), (8, 31872), (9, 31875), (10, 31887), (12, 31905), (13, 31938), (14, 31941), (15, 31944), (16, 31962),

Gene: OneDirection_41 Start: 29447, Stop: 29599, Start Num: 3

Candidate Starts for OneDirection_41:

(1, 29273), (2, 29297), (Start: 3 @29447 has 6 MA's), (7, 29480), (8, 29486), (9, 29489), (10, 29501), (12, 29519), (13, 29552), (14, 29555), (15, 29558), (16, 29576),

Gene: Pepperoni_41 Start: 31012, Stop: 31164, Start Num: 4

Candidate Starts for Pepperoni_41:

(1, 30835), (2, 30859), (Start: 3 @31009 has 6 MA's), (Start: 4 @31012 has 3 MA's), (5, 31030), (6, 31036), (7, 31045), (10, 31066), (11, 31072), (12, 31084), (13, 31117), (14, 31120), (15, 31123),

Gene: PhorbesPhlower_46 Start: 31203, Stop: 31355, Start Num: 3

Candidate Starts for PhorbesPhlower_46:

(1, 31026), (2, 31050), (Start: 3 @31203 has 6 MA's), (7, 31236), (10, 31257), (11, 31263), (12, 31275), (13, 31308), (14, 31311), (15, 31314), (16, 31332),