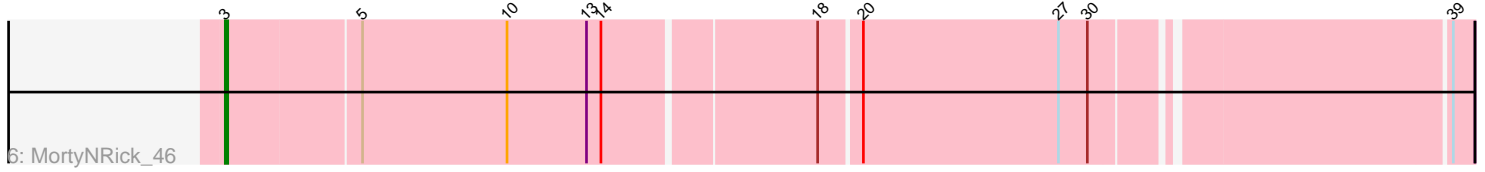
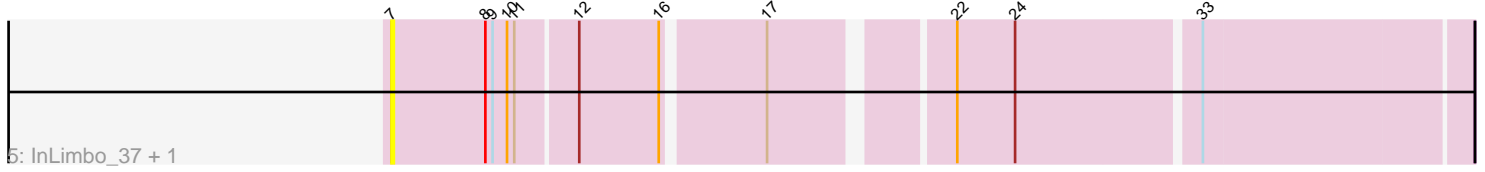
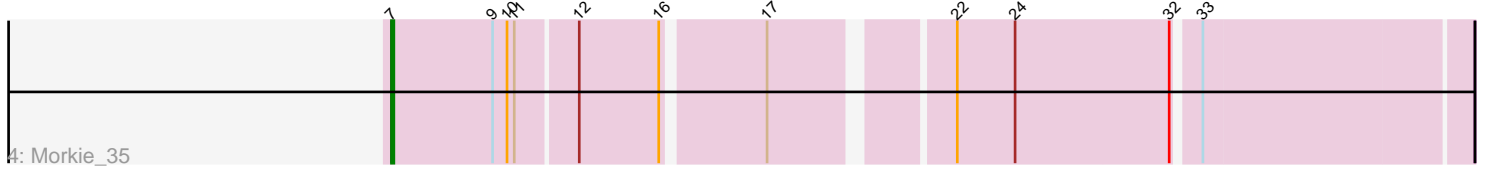
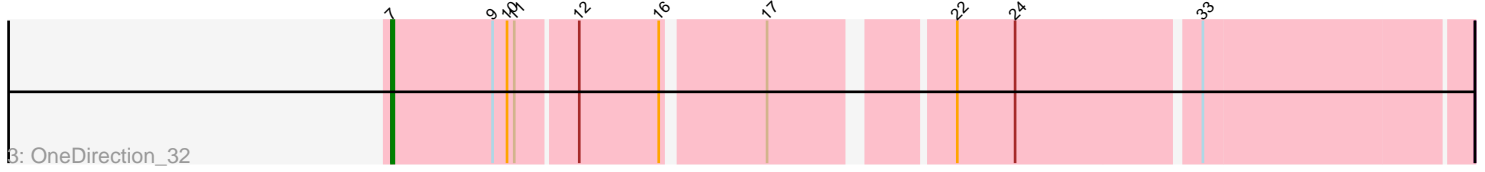
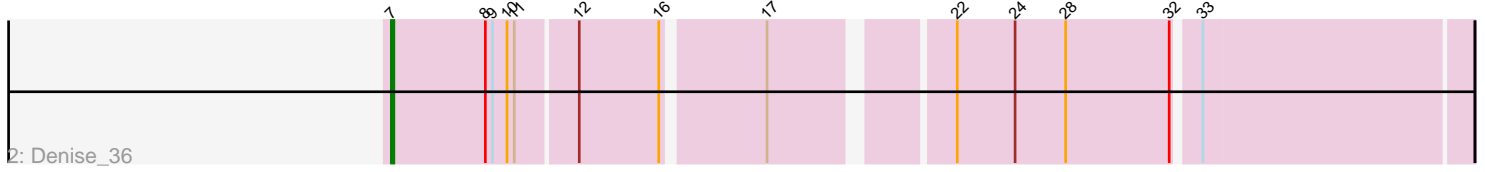
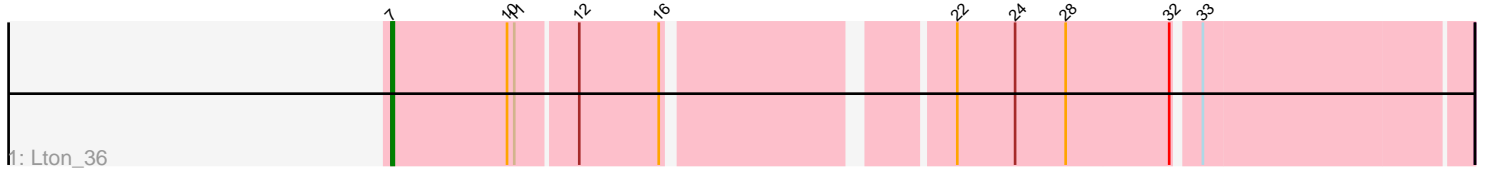


Pham 297220



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 297220 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297220 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Lton_36
- Track 2 : Denise_36
- Track 3 : OneDirection_32
- Track 4 : Morkie_35
- Track 5 : InLimbo_37, Pepperoni_33
- Track 6 : MortyNRick_46
- Track 7 : Stuck_48
- Track 8 : Colossa_33
- Track 9 : VanLee_33

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Denise_36, InLimbo_37, Lton_36, Morkie_35, OneDirection_32, Pepperoni_33,

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

-

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

- Colossa_33, MortyNRick_46, Stuck_48, VanLee_33,

Summary by start number:

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stuck_48 (12),

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham

- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MortyNRick_46 (DN),

Start 6:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colossa_33 (KA), VanLee_33 (KA),

Start 7:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Denise_36 (CZ5), InLimbo_37 (DH), Lton_36 (CZ), Morkie_35 (DH), OneDirection_32 (CZ6), Pepperoni_33 (CZ),

Summary by clusters:

There are 7 clusters represented in this pham: DN, KA, DH, I2, CZ6, CZ5, CZ,

Info for manual annotations of cluster CZ:

- Start number 7 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ5:

- Start number 7 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 7 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DH:

- Start number 7 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster KA:

- Start number 6 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: Colossa_33 Start: 28340, Stop: 27897, Start Num: 6

Candidate Starts for Colossa_33:

(1, 28463), (4, 28391), (Start: 6 @28340 has 1 MA's), (15, 28232), (23, 28088), (24, 28085), (26, 28070), (29, 28058), (31, 28049), (36, 27971), (38, 27968), (39, 27905),

Gene: Denise_36 Start: 28917, Stop: 28501, Start Num: 7

Candidate Starts for Denise_36:

(Start: 7 @28917 has 4 MA's), (8, 28878), (9, 28875), (10, 28869), (11, 28866), (12, 28842), (16, 28809), (17, 28770), (22, 28704), (24, 28680), (28, 28659), (32, 28617), (33, 28608),

Gene: InLimbo_37 Start: 28324, Stop: 27908, Start Num: 7

Candidate Starts for InLimbo_37:

(Start: 7 @28324 has 4 MA's), (8, 28285), (9, 28282), (10, 28276), (11, 28273), (12, 28249), (16, 28216), (17, 28177), (22, 28111), (24, 28087), (33, 28015),

Gene: Lton_36 Start: 26921, Stop: 26505, Start Num: 7

Candidate Starts for Lton_36:

(Start: 7 @26921 has 4 MA's), (10, 26873), (11, 26870), (12, 26846), (16, 26813), (22, 26708), (24, 26684), (28, 26663), (32, 26621), (33, 26612),

Gene: Morkie_35 Start: 27876, Stop: 27460, Start Num: 7

Candidate Starts for Morkie_35:

(Start: 7 @27876 has 4 MA's), (9, 27834), (10, 27828), (11, 27825), (12, 27801), (16, 27768), (17, 27729), (22, 27663), (24, 27639), (32, 27576), (33, 27567),

Gene: MortyNRick_46 Start: 35208, Stop: 34720, Start Num: 3

Candidate Starts for MortyNRick_46:

(Start: 3 @35208 has 1 MA's), (5, 35154), (10, 35094), (13, 35061), (14, 35055), (18, 34971), (20, 34956), (27, 34875), (30, 34863), (39, 34728),

Gene: OneDirection_32 Start: 26498, Stop: 26082, Start Num: 7

Candidate Starts for OneDirection_32:

(Start: 7 @26498 has 4 MA's), (9, 26456), (10, 26450), (11, 26447), (12, 26423), (16, 26390), (17, 26351), (22, 26285), (24, 26261), (33, 26189),

Gene: Pepperoni_33 Start: 27643, Stop: 27227, Start Num: 7

Candidate Starts for Pepperoni_33:

(Start: 7 @27643 has 4 MA's), (8, 27604), (9, 27601), (10, 27595), (11, 27592), (12, 27568), (16, 27535), (17, 27496), (22, 27430), (24, 27406), (33, 27334),

Gene: Stuck_48 Start: 37460, Stop: 36939, Start Num: 2

Candidate Starts for Stuck_48:

(2, 37460), (5, 37382), (9, 37331), (14, 37286), (21, 37166), (25, 37106), (34, 37034), (37, 37013),

Gene: VanLee_33 Start: 28369, Stop: 27926, Start Num: 6

Candidate Starts for VanLee_33:

(4, 28414), (Start: 6 @28369 has 1 MA's), (10, 28315), (15, 28261), (19, 28180), (24, 28114), (26, 28099), (29, 28087), (31, 28078), (35, 28009), (36, 28000), (38, 27997), (39, 27934),