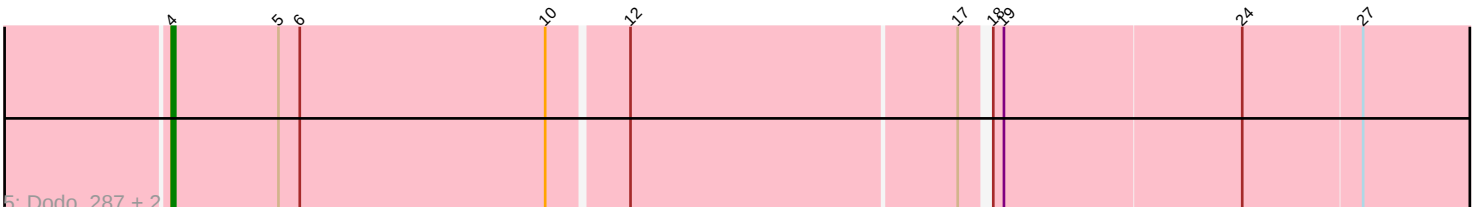
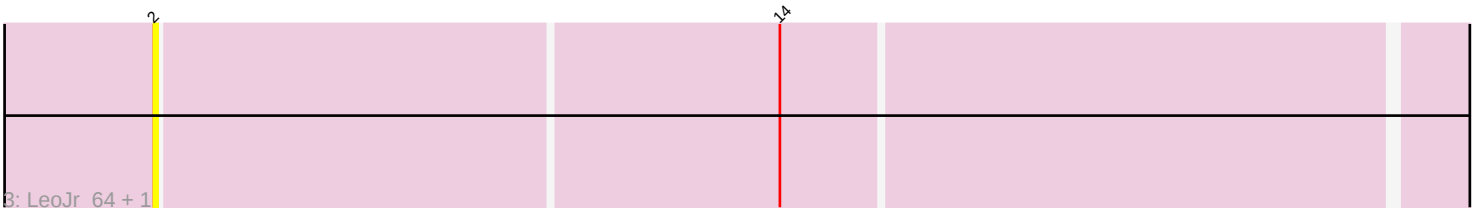
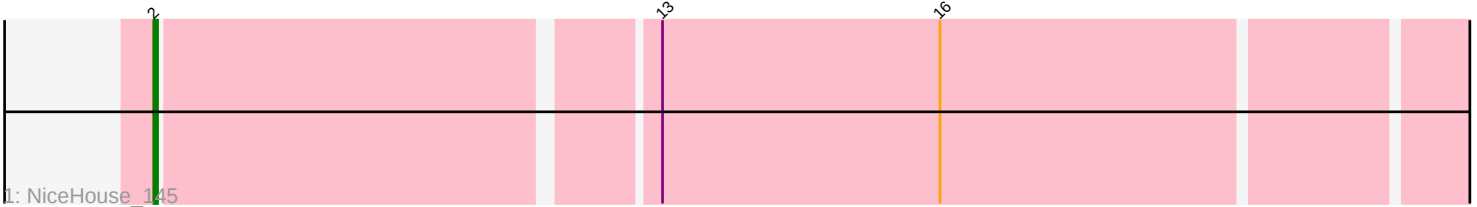


Pham 309687



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 309687 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309687 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : NiceHouse_145
- Track 2 : FloraSnap32_66, Patbob_65
- Track 3 : LeoJr_64, ReginaGlobina_64
- Track 4 : Atuin_61
- Track 5 : Dodo_287, PauloDiaboli_292, A3Wally_292
- Track 6 : Big4_301
- Track 7 : Zooman_283

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_61, Big4_301, LeoJr_64, NiceHouse_145, ReginaGlobina_64, Zooman_283,

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

-

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

- A3Wally_292, Dodo_287, FloraSnap32_66, Patbob_65, PauloDiaboli_292,

Summary by start number:

Start 2:

- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_61 (FC), Big4_301 (GD2), LeoJr_64 (FC), NiceHouse_145 (CE), ReginaGlobina_64 (FC), Zooman_283 (GD2),

Start 3:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: FloraSnap32_66 (FC), Pathbob_65 (FC),

Start 4:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_292 (GD1), Dodo_287 (GD1), PauloDiaboli_292 (GD1),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, FC, CE,

Info for manual annotations of cluster CE:

- Start number 2 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 1 time for cluster FC.
- Start number 3 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:

- Start number 4 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 2 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: A3Wally_292 Start: 158692, Stop: 159057, Start Num: 4

Candidate Starts for A3Wally_292:

(Start: 4 @158692 has 3 MA's), (5, 158722), (6, 158728), (10, 158797), (12, 158818), (17, 158908), (18, 158914), (19, 158917), (24, 158983), (27, 159016),

Gene: Atuin_61 Start: 25763, Stop: 26125, Start Num: 2

Candidate Starts for Atuin_61:

(Start: 2 @25763 has 4 MA's), (22, 26045),

Gene: Big4_301 Start: 163805, Stop: 164173, Start Num: 2

Candidate Starts for Big4_301:

(1, 163793), (Start: 2 @163805 has 4 MA's), (5, 163838), (7, 163850), (8, 163883), (9, 163907), (11, 163934), (12, 163937), (15, 164012), (20, 164042), (23, 164099), (24, 164105), (25, 164108), (26, 164111),

Gene: Dodo_287 Start: 158376, Stop: 158741, Start Num: 4

Candidate Starts for Dodo_287:

(Start: 4 @158376 has 3 MA's), (5, 158406), (6, 158412), (10, 158481), (12, 158502), (17, 158592), (18, 158598), (19, 158601), (24, 158667), (27, 158700),

Gene: FloraSnap32_66 Start: 27469, Stop: 27828, Start Num: 3

Candidate Starts for FloraSnap32_66:

(Start: 3 @27469 has 1 MA's), (7, 27514), (21, 27736),

Gene: LeoJr_64 Start: 25598, Stop: 25960, Start Num: 2

Candidate Starts for LeoJr_64:

(Start: 2 @25598 has 4 MA's), (14, 25769),

Gene: NiceHouse_145 Start: 90211, Stop: 90561, Start Num: 2

Candidate Starts for NiceHouse_145:

(Start: 2 @90211 has 4 MA's), (13, 90343), (16, 90421),

Gene: Patbob_65 Start: 28654, Stop: 29013, Start Num: 3

Candidate Starts for Patbob_65:

(Start: 3 @28654 has 1 MA's), (7, 28699), (21, 28921),

Gene: PauloDiaboli_292 Start: 155891, Stop: 156256, Start Num: 4

Candidate Starts for PauloDiaboli_292:

(Start: 4 @155891 has 3 MA's), (5, 155921), (6, 155927), (10, 155996), (12, 156017), (17, 156107), (18, 156113), (19, 156116), (24, 156182), (27, 156215),

Gene: ReginaGlobina_64 Start: 26155, Stop: 26517, Start Num: 2

Candidate Starts for ReginaGlobina_64:

(Start: 2 @26155 has 4 MA's), (14, 26326),

Gene: Zooman_283 Start: 163177, Stop: 163545, Start Num: 2

Candidate Starts for Zooman_283:

(Start: 2 @163177 has 4 MA's), (5, 163210), (7, 163222), (8, 163255), (9, 163279), (11, 163306), (12, 163309), (20, 163414), (23, 163471), (24, 163477), (26, 163483),