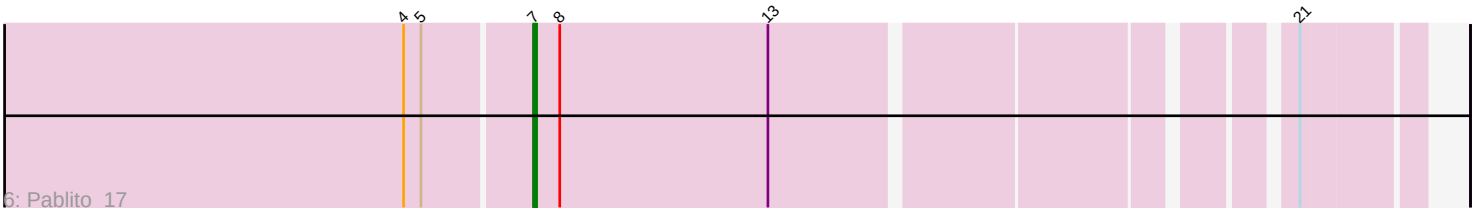
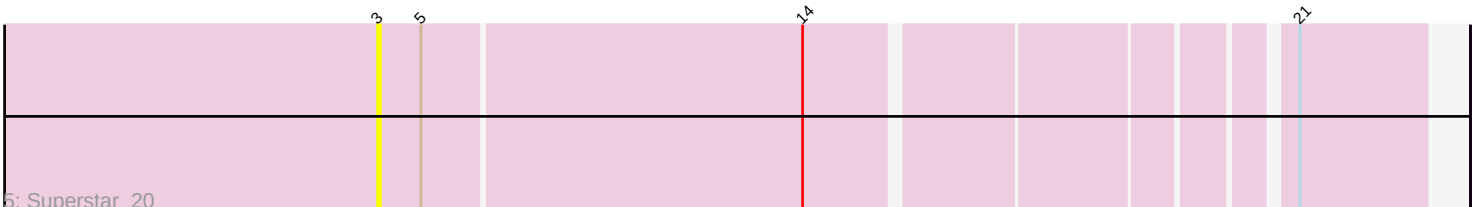
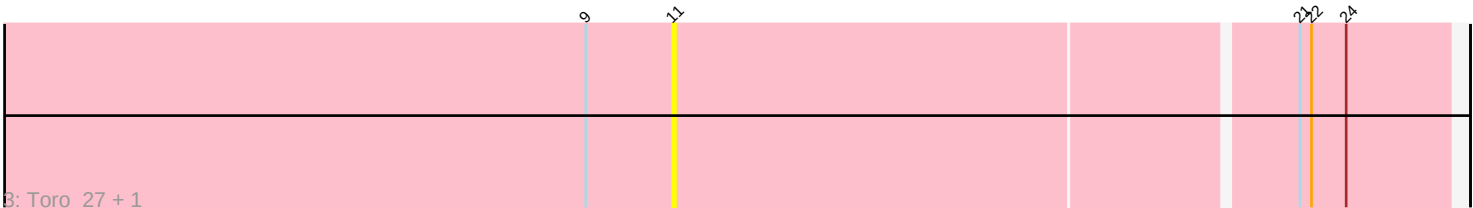
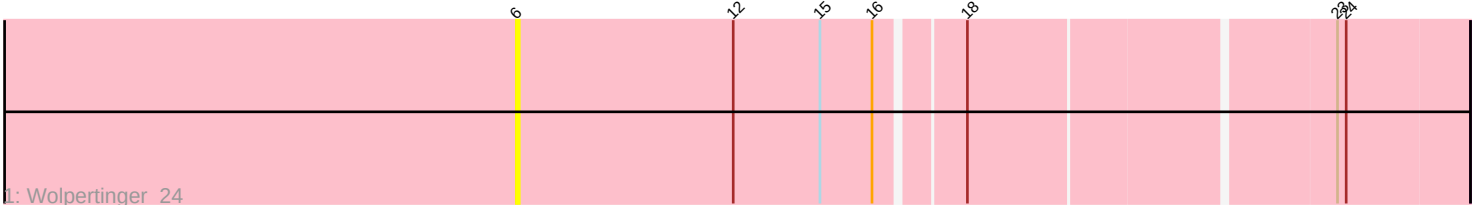


Pham 331463



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 331463 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 331463 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Wolpertinger_24
- Track 2 : Prinashe11_22, Florence4_22, Florence1_21
- Track 3 : Toro_27, FlyCatcher_28
- Track 4 : R4_17
- Track 5 : Superstar_20
- Track 6 : Pablito_17
- Track 7 : Tailonex_21

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- R4_17,

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

- Pablito_17,

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

- Florence1_21, Florence4_22, FlyCatcher_28, Prinashe11_22, Superstar_20, Tailonex_21, Toro_27, Wolpertinger_24,

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: Tailonex_21 (singleton),

Start 3:

- 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: Superstar_20 (BD2),

Start 4:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 50.0% of time when present
- Phage (with cluster) where this start called: R4_17 (BD2),

Start 6:

- 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: Wolpertinger_24 (A11),

Start 7:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pablito_17 (BD2),

Start 10:

- Found in 3 of 10 (30.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Florence1_21 (A5), Florence4_22 (A5), Prinashe11_22 (A5),

Start 11:

- Found in 2 of 10 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyCatcher_28 (A7), Toro_27 (A7),

Summary by clusters:

There are 5 clusters represented in this pham: A5, singleton, A11, A7, BD2,

Info for manual annotations of cluster BD2:

- Start number 4 was manually annotated 1 time for cluster BD2.
- Start number 7 was manually annotated 1 time for cluster BD2.

Gene Information:

Gene: Florence1_21 Start: 14740, Stop: 15027, Start Num: 10

Candidate Starts for Florence1_21:

(1, 14563), (10, 14740), (23, 14989), (24, 14992), (26, 15022),

Gene: Florence4_22 Start: 14740, Stop: 15027, Start Num: 10

Candidate Starts for Florence4_22:

(1, 14563), (10, 14740), (23, 14989), (24, 14992), (26, 15022),

Gene: FlyCatcher_28 Start: 17296, Stop: 17556, Start Num: 11

Candidate Starts for FlyCatcher_28:

(9, 17266), (11, 17296), (21, 17506), (22, 17509), (24, 17521),

Gene: Pablito_17 Start: 11212, Stop: 11490, Start Num: 7

Candidate Starts for Pablito_17:

(Start: 4 @11170 has 1 MA's), (5, 11176), (Start: 7 @11212 has 1 MA's), (8, 11221), (13, 11293), (21, 11452),

Gene: Prinash11_22 Start: 14920, Stop: 15207, Start Num: 10

Candidate Starts for Prinash11_22:

(1, 14743), (10, 14920), (23, 15169), (24, 15172), (26, 15202),

Gene: R4_17 Start: 11302, Stop: 11634, Start Num: 4

Candidate Starts for R4_17:

(Start: 4 @11302 has 1 MA's), (5, 11308), (8, 11353),

Gene: Superstar_20 Start: 12332, Stop: 12667, Start Num: 3

Candidate Starts for Superstar_20:

(3, 12332), (5, 12347), (14, 12476), (21, 12626),

Gene: Tailonex_21 Start: 14580, Stop: 14951, Start Num: 2

Candidate Starts for Tailonex_21:

(2, 14580), (Start: 7 @14664 has 1 MA's), (17, 14805), (19, 14901), (20, 14907), (22, 14913), (25, 14928),

Gene: Toro_27 Start: 17296, Stop: 17556, Start Num: 11

Candidate Starts for Toro_27:

(9, 17266), (11, 17296), (21, 17506), (22, 17509), (24, 17521),

Gene: Wolpertinger_24 Start: 16853, Stop: 17167, Start Num: 6

Candidate Starts for Wolpertinger_24:

(6, 16853), (12, 16928), (15, 16958), (16, 16976), (18, 17003), (23, 17123), (24, 17126),