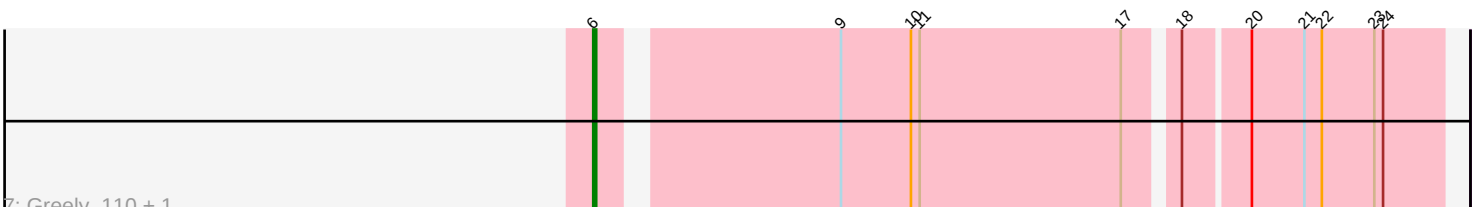
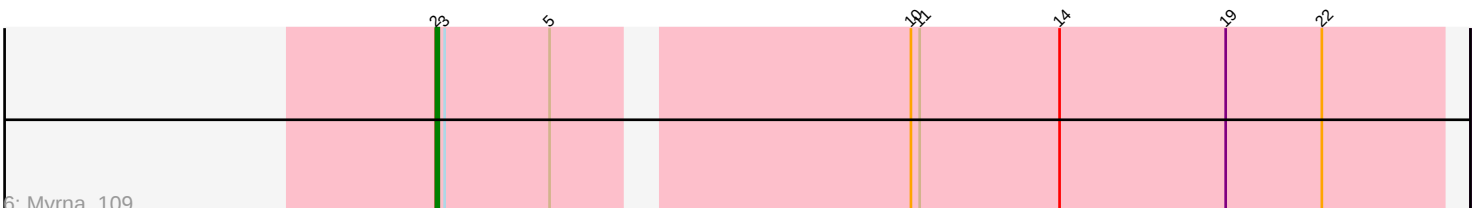
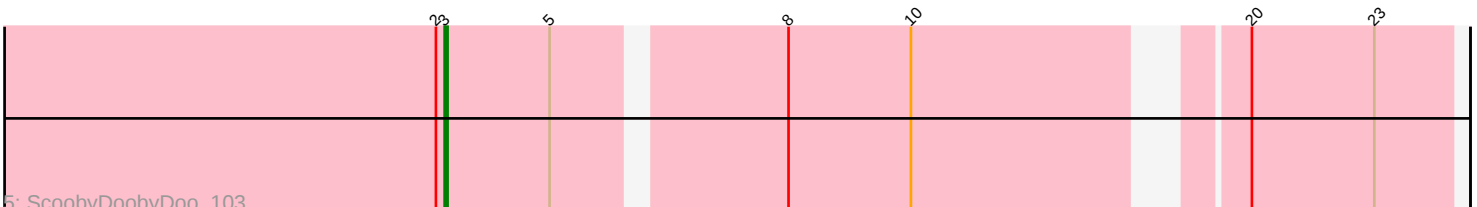
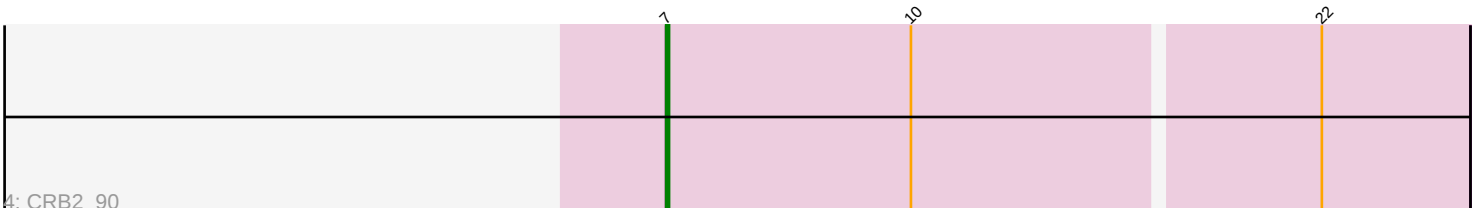
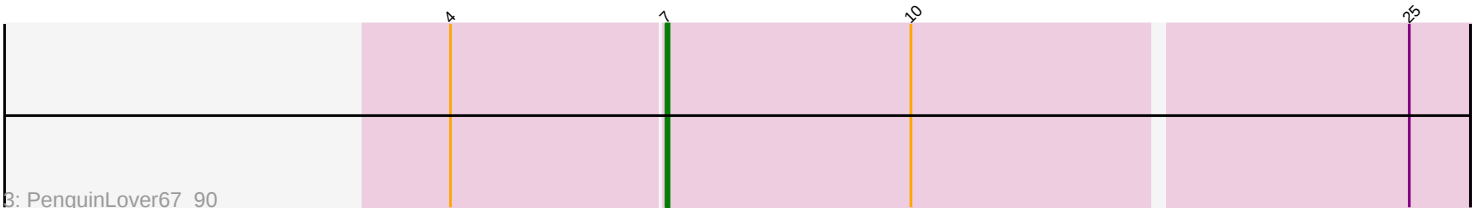
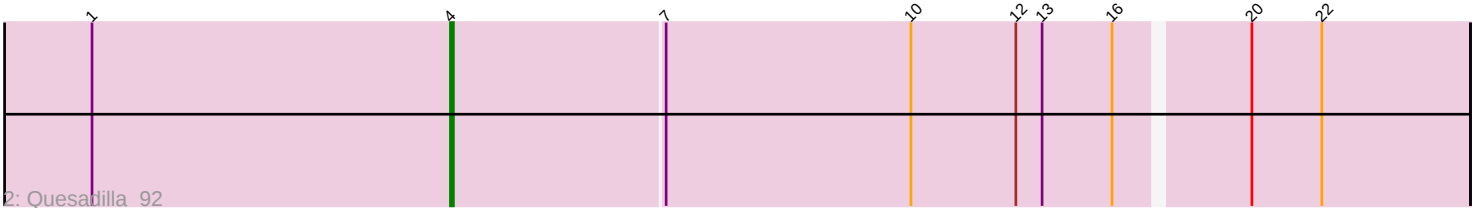


Pham 322142



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 322142 Report

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

Pham number 322142 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Indlovu_84
- Track 2 : Quesadilla_92
- Track 3 : PenguinLover67_90
- Track 4 : CRB2_90
- Track 5 : ScoobyDoobyDoo_103
- Track 6 : Myrna_109
- Track 7 : Greely_110, Phabba_112

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 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CRB2_90, PenguinLover67_90,

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

- Quesadilla_92,

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

- Greely_110, Indlovu_84, Myrna_109, Phabba_112, ScoobyDoobyDoo_103,

Summary by start number:

Start 2:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Myrna_109 (C2),

Start 3:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present

- Phage (with cluster) where this start called: ScoobyDoobyDoo_103 (C2),

Start 4:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_92 (B9),

Start 6:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_110 (C2), Indlovu_84 (B11), Phabba_112 (C2),

Start 7:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: CRB2_90 (B9), PenguinLover67_90 (B9),

Summary by clusters:

There are 3 clusters represented in this pham: C2, B9, B11,

Info for manual annotations of cluster B11:

- Start number 6 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B9:

- Start number 4 was manually annotated 1 time for cluster B9.
- Start number 7 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster C2:

- Start number 2 was manually annotated 1 time for cluster C2.
- Start number 3 was manually annotated 1 time for cluster C2.
- Start number 6 was manually annotated 1 time for cluster C2.

Gene Information:

Gene: CRB2_90 Start: 69304, Stop: 69035, Start Num: 7

Candidate Starts for CRB2_90:

(Start: 7 @69304 has 2 MA's), (10, 69220), (22, 69085),

Gene: Greely_110 Start: 55754, Stop: 56026, Start Num: 6

Candidate Starts for Greely_110:

(Start: 6 @55754 has 2 MA's), (9, 55829), (10, 55853), (11, 55856), (17, 55925), (18, 55940), (20, 55961), (21, 55979), (22, 55985), (23, 56003), (24, 56006),

Gene: Indlovu_84 Start: 65892, Stop: 65605, Start Num: 6

Candidate Starts for Indlovu_84:

(Start: 6 @65892 has 2 MA's), (10, 65790), (15, 65730), (20, 65679),

Gene: Myrna_109 Start: 57012, Stop: 57344, Start Num: 2

Candidate Starts for Myrna_109:

(Start: 2 @57012 has 1 MA's), (Start: 3 @57015 has 1 MA's), (5, 57051), (10, 57162), (11, 57165), (14, 57213), (19, 57270), (22, 57303),

Gene: PenguinLover67_90 Start: 66949, Stop: 66680, Start Num: 7

Candidate Starts for PenguinLover67_90:

(Start: 4 @67021 has 1 MA's), (Start: 7 @66949 has 2 MA's), (10, 66865), (25, 66700),

Gene: Phabba_112 Start: 55505, Stop: 55777, Start Num: 6

Candidate Starts for Phabba_112:

(Start: 6 @55505 has 2 MA's), (9, 55580), (10, 55604), (11, 55607), (17, 55676), (18, 55691), (20, 55712), (21, 55730), (22, 55736), (23, 55754), (24, 55757),

Gene: Quesadilla_92 Start: 68316, Stop: 67975, Start Num: 4

Candidate Starts for Quesadilla_92:

(1, 68439), (Start: 4 @68316 has 1 MA's), (Start: 7 @68244 has 2 MA's), (10, 68160), (12, 68124), (13, 68115), (16, 68091), (20, 68049), (22, 68025),

Gene: ScoobyDoobyDoo_103 Start: 55063, Stop: 55377, Start Num: 3

Candidate Starts for ScoobyDoobyDoo_103:

(Start: 2 @55060 has 1 MA's), (Start: 3 @55063 has 1 MA's), (5, 55099), (8, 55171), (10, 55213), (20, 55309), (23, 55351),