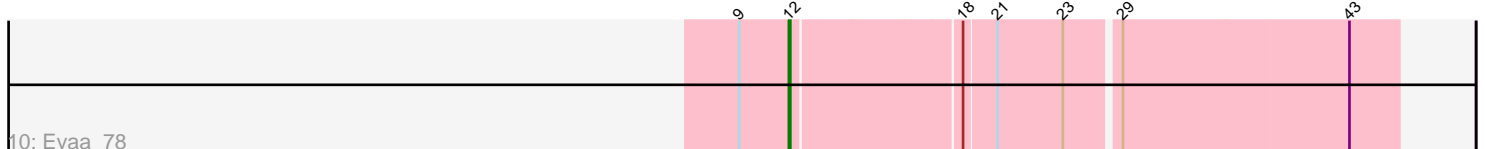
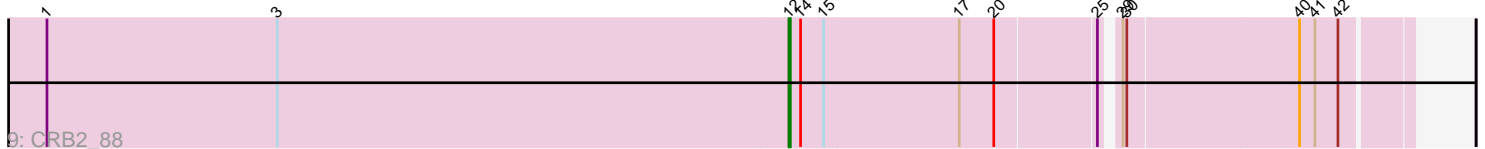
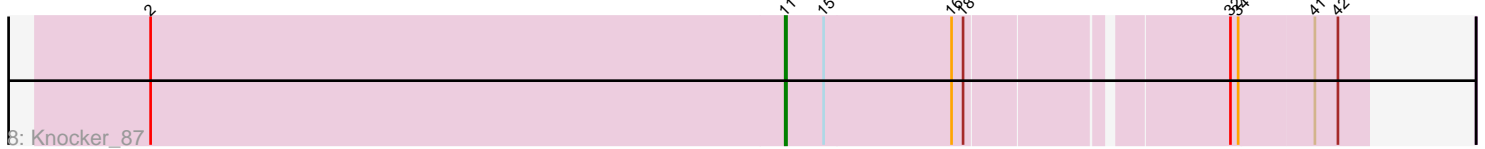
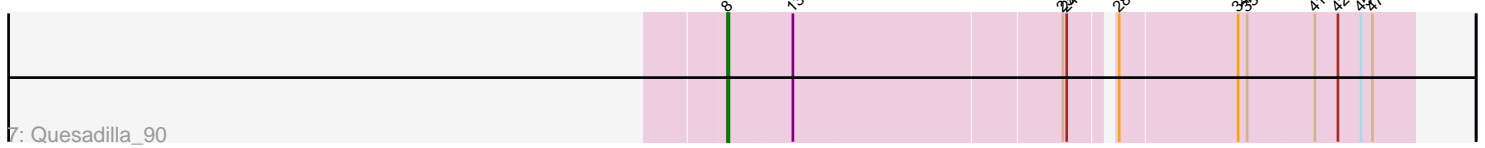
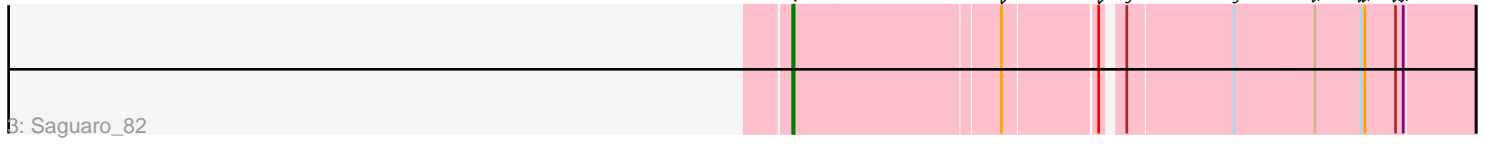
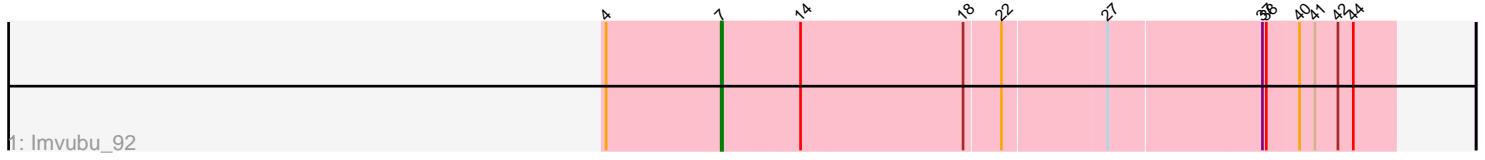


Pham 305503



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 305503 Report

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

Pham number 305503 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Imvubu_92
- Track 2 : Indlovu_88
- Track 3 : Saguaro_82
- Track 4 : Rinkes_86
- Track 5 : Funsized_88
- Track 6 : PenguinLover67_87
- Track 7 : Quesadilla_90
- Track 8 : Knocker_87
- Track 9 : CRB2_88
- Track 10 : Evaa_78

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CRB2_88, Evaa_78, Indlovu_88, PenguinLover67_87,

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

-

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

- Funsized_88, Imvubu_92, Knocker_87, Quesadilla_90, Rinkes_86, Saguaro_82,

Summary by start number:

Start 7:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Imvubu_92 (B10),

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_90 (B9),

Start 10:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rinkes_86 (B9),

Start 11:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_88 (B9), Knocker_87 (B9),

Start 12:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 4 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_88 (B9), Evaa_78 (DR), Indlovu_88 (B11), PenguinLover67_87 (B9),

Start 13:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Saguaro_82 (B7),

Summary by clusters:

There are 5 clusters represented in this pham: B7, DR, B9, B10, B11,

Info for manual annotations of cluster B10:

- Start number 7 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 12 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B7:

- Start number 13 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:

- Start number 8 was manually annotated 1 time for cluster B9.
- Start number 10 was manually annotated 1 time for cluster B9.
- Start number 11 was manually annotated 2 times for cluster B9.
- Start number 12 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster DR:

- Start number 12 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: CRB2_88 Start: 67867, Stop: 67412, Start Num: 12

Candidate Starts for CRB2_88:

(1, 68446), (3, 68266), (Start: 12 @67867 has 4 MA's), (14, 67858), (15, 67840), (17, 67735), (20, 67708), (25, 67633), (29, 67624), (30, 67621), (40, 67492), (41, 67480), (42, 67462),

Gene: Evaa_78 Start: 57578, Stop: 57129, Start Num: 12

Candidate Starts for Evaa_78:

(9, 57617), (Start: 12 @57578 has 4 MA's), (18, 57455), (21, 57431), (23, 57380), (29, 57341), (43, 57167),

Gene: Funsized_88 Start: 68273, Stop: 67824, Start Num: 11

Candidate Starts for Funsized_88:

(5, 68339), (6, 68333), (Start: 11 @68273 has 2 MA's), (16, 68144), (17, 68138), (20, 68114), (40, 67898), (41, 67886), (42, 67868), (44, 67856),

Gene: Imvubu_92 Start: 66340, Stop: 65831, Start Num: 7

Candidate Starts for Imvubu_92:

(4, 66430), (Start: 7 @66340 has 1 MA's), (14, 66280), (18, 66154), (22, 66127), (27, 66049), (37, 65932), (38, 65929), (40, 65905), (41, 65893), (42, 65875), (44, 65863),

Gene: Indlovu_88 Start: 67222, Stop: 66713, Start Num: 12

Candidate Starts for Indlovu_88:

(Start: 12 @67222 has 4 MA's), (16, 67096), (18, 67087), (19, 67075), (33, 66898), (34, 66895), (39, 66874), (41, 66838), (45, 66802), (48, 66775), (50, 66736),

Gene: Knocker_87 Start: 67165, Stop: 66737, Start Num: 11

Candidate Starts for Knocker_87:

(2, 67660), (Start: 11 @67165 has 2 MA's), (15, 67135), (16, 67036), (18, 67027), (32, 66841), (34, 66835), (41, 66778), (42, 66760),

Gene: PenguinLover67_87 Start: 65234, Stop: 64770, Start Num: 12

Candidate Starts for PenguinLover67_87:

(Start: 12 @65234 has 4 MA's), (14, 65225), (20, 65075), (21, 65072), (23, 65024), (30, 64988), (41, 64847), (42, 64829),

Gene: Quesadilla_90 Start: 66835, Stop: 66329, Start Num: 8

Candidate Starts for Quesadilla_90:

(Start: 8 @66835 has 1 MA's), (Start: 13 @66787 has 1 MA's), (23, 66583), (24, 66580), (28, 66553), (34, 66463), (35, 66457), (41, 66406), (42, 66388), (45, 66370), (47, 66361),

Gene: Rinkes_86 Start: 67114, Stop: 66665, Start Num: 10

Candidate Starts for Rinkes_86:

(Start: 10 @67114 has 1 MA's), (21, 66943), (22, 66940), (23, 66895), (31, 66772), (36, 66751), (38, 66742), (41, 66706),

Gene: Saguaro_82 Start: 64421, Stop: 63921, Start Num: 13

Candidate Starts for Saguaro_82:

(Start: 13 @64421 has 1 MA's), (22, 64265), (26, 64196), (30, 64184), (33, 64103), (41, 64043), (45, 64007), (46, 64004), (48, 63980), (49, 63974),