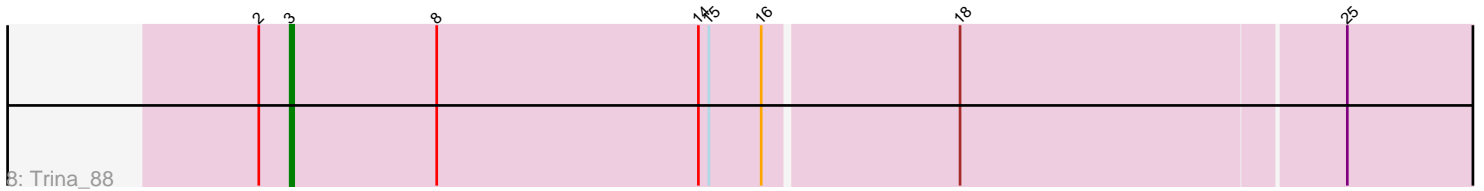
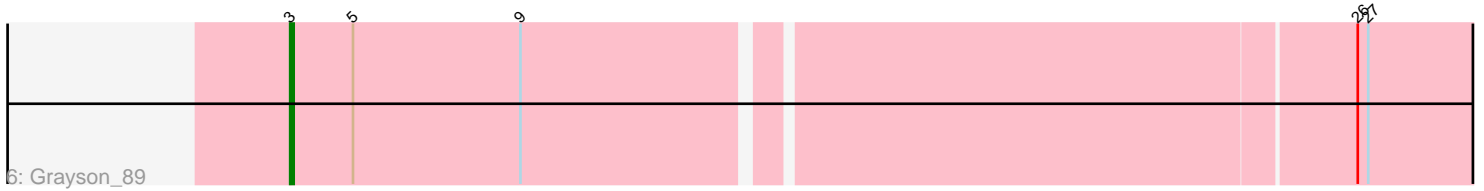
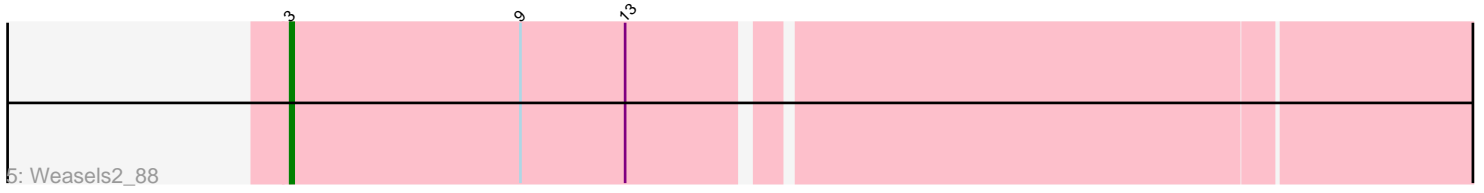
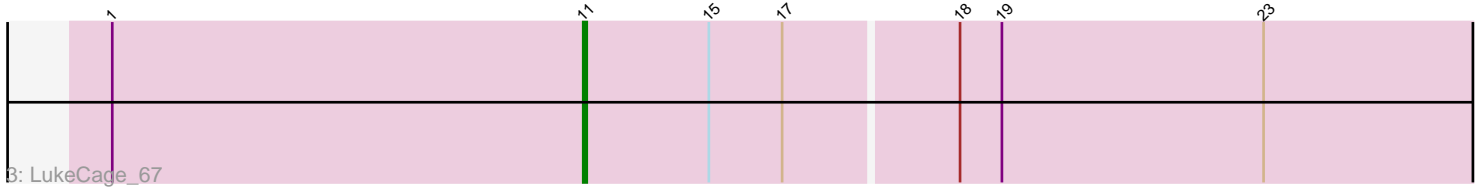
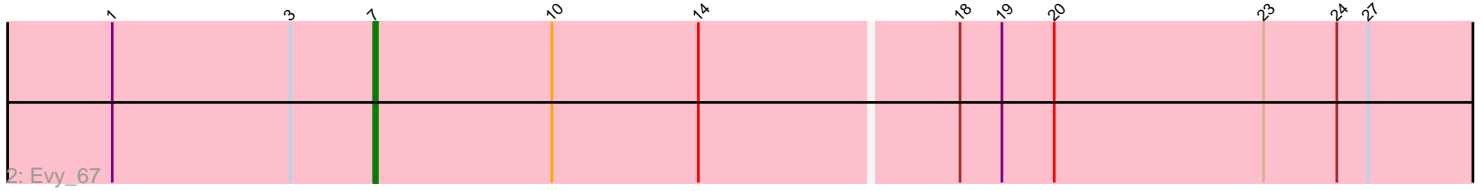
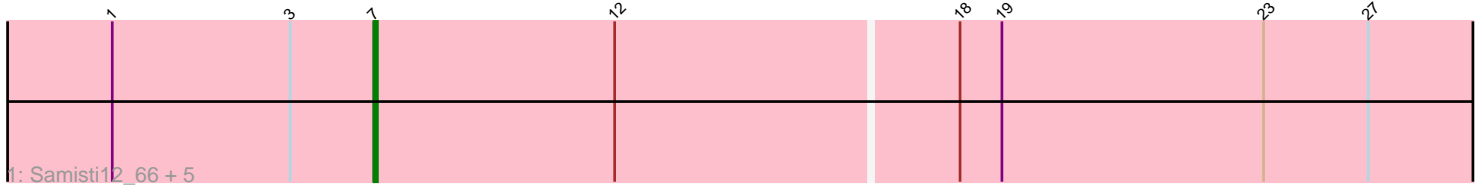


Pham 297111



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 297111 Report

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

Pham number 297111 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Samisti12_66, Tribute_64, HangryHippo_66, BlueOtter_66, Larnav_66, Teutsch_66
- Track 2 : Evy_67
- Track 3 : LukeCage_67
- Track 4 : Peregrin_87
- Track 5 : Weasels2_88
- Track 6 : Grayson_89
- Track 7 : NiceHouse_77
- Track 8 : Trina_88

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 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueOtter_66, Evy_67, HangryHippo_66, Larnav_66, Samisti12_66, Teutsch_66, Tribute_64,

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

-

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

- Grayson_89, LukeCage_67, NiceHouse_77, Peregrin_87, Trina_88, Weasels2_88,

Summary by start number:

Start 3:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 5 of 13
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Grayson_89 (CB), NiceHouse_77 (CE), Peregrin_87 (CB), Trina_88 (CE), Weasels2_88 (CB),

Start 7:

- Found in 7 of 13 (53.8%) of genes in pham
- Manual Annotations of this start: 7 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueOtter_66 (BE1), Evy_67 (BE1), HangryHippo_66 (BE1), Larnav_66 (BE1), Samisti12_66 (BE1), Teutsch_66 (BE1), Tribute_64 (BE1),

Start 11:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LukeCage_67 (BE2),

Summary by clusters:

There are 4 clusters represented in this pham: BE2, CB, BE1, CE,

Info for manual annotations of cluster BE1:

- Start number 7 was manually annotated 7 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 11 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster CB:

- Start number 3 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 3 was manually annotated 2 times for cluster CE.

Gene Information:

Gene: BlueOtter_66 Start: 51903, Stop: 52271, Start Num: 7

Candidate Starts for BlueOtter_66:

(1, 51828), (Start: 3 @51879 has 5 MA's), (Start: 7 @51903 has 7 MA's), (12, 51972), (18, 52068), (19, 52080), (23, 52155), (27, 52185),

Gene: Evy_67 Start: 51893, Stop: 52261, Start Num: 7

Candidate Starts for Evy_67:

(1, 51818), (Start: 3 @51869 has 5 MA's), (Start: 7 @51893 has 7 MA's), (10, 51944), (14, 51986), (18, 52058), (19, 52070), (20, 52085), (23, 52145), (24, 52166), (27, 52175),

Gene: Grayson_89 Start: 54653, Stop: 55000, Start Num: 3

Candidate Starts for Grayson_89:

(Start: 3 @54653 has 5 MA's), (5, 54671), (9, 54719), (26, 54947), (27, 54950),

Gene: HangryHippo_66 Start: 51903, Stop: 52271, Start Num: 7

Candidate Starts for HangryHippo_66:

(1, 51828), (Start: 3 @51879 has 5 MA's), (Start: 7 @51903 has 7 MA's), (12, 51972), (18, 52068), (19, 52080), (23, 52155), (27, 52185),

Gene: Larnav_66 Start: 51888, Stop: 52256, Start Num: 7

Candidate Starts for Larnav_66:

(1, 51813), (Start: 3 @51864 has 5 MA's), (Start: 7 @51888 has 7 MA's), (12, 51957), (18, 52053), (19, 52065), (23, 52140), (27, 52170),

Gene: LukeCage_67 Start: 51143, Stop: 51451, Start Num: 11

Candidate Starts for LukeCage_67:

(1, 51008), (Start: 11 @51143 has 1 MA's), (15, 51179), (17, 51200), (18, 51248), (19, 51260), (23, 51335),

Gene: NiceHouse_77 Start: 57280, Stop: 57633, Start Num: 3

Candidate Starts for NiceHouse_77:

(Start: 3 @57280 has 5 MA's), (4, 57283), (9, 57346), (21, 57514), (22, 57550),

Gene: Peregrin_87 Start: 53436, Stop: 53783, Start Num: 3

Candidate Starts for Peregrin_87:

(Start: 3 @53436 has 5 MA's), (5, 53454), (6, 53457), (9, 53502), (26, 53730), (27, 53733),

Gene: Samisti12_66 Start: 53078, Stop: 53446, Start Num: 7

Candidate Starts for Samisti12_66:

(1, 53003), (Start: 3 @53054 has 5 MA's), (Start: 7 @53078 has 7 MA's), (12, 53147), (18, 53243), (19, 53255), (23, 53330), (27, 53360),

Gene: Teutsch_66 Start: 52259, Stop: 52627, Start Num: 7

Candidate Starts for Teutsch_66:

(1, 52184), (Start: 3 @52235 has 5 MA's), (Start: 7 @52259 has 7 MA's), (12, 52328), (18, 52424), (19, 52436), (23, 52511), (27, 52541),

Gene: Tribute_64 Start: 51465, Stop: 51833, Start Num: 7

Candidate Starts for Tribute_64:

(1, 51390), (Start: 3 @51441 has 5 MA's), (Start: 7 @51465 has 7 MA's), (12, 51534), (18, 51630), (19, 51642), (23, 51717), (27, 51747),

Gene: Trina_88 Start: 60434, Stop: 60787, Start Num: 3

Candidate Starts for Trina_88:

(2, 60425), (Start: 3 @60434 has 5 MA's), (8, 60476), (14, 60551), (15, 60554), (16, 60569), (18, 60623), (25, 60731),

Gene: Weasels2_88 Start: 54194, Stop: 54541, Start Num: 3

Candidate Starts for Weasels2_88:

(Start: 3 @54194 has 5 MA's), (9, 54260), (13, 54290),