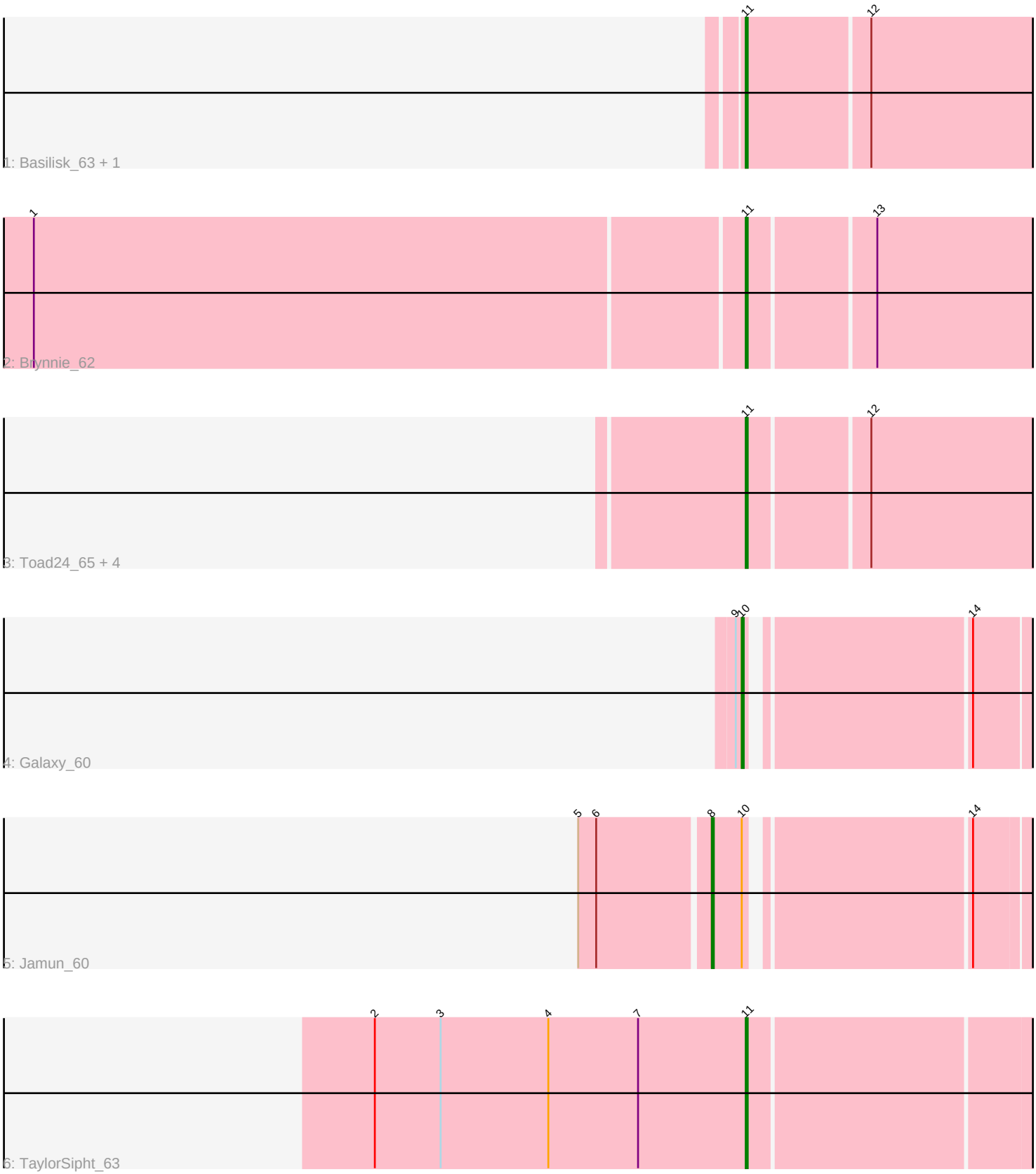
Pham 297148


11
12
1: Basilisk_63 + 1
1
11
13
2: Brynnie_62
11
12
3: Toad24_65 + 4
9
10
14
4: Galaxy_60
5
6
8
10
14
5: Jamun_60
2
3
4
7
11
6: TaylorSipht_63

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 297148 Report

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

Pham number 297148 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Basilisk_63, Vulpecula_62
• Track 2 : Brynnie_62
• Track 3 : Toad24_65, Gravel_73, KendraB23_73, Pelletreau_73, Eesa_62
• Track 4 : Galaxy_60
• Track 5 : Jamun_60
• Track 6 : TaylorSipht_63

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

The start number called the most often in the published annotations is 11, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Basilisk_63, Brynnie_62, Eesa_62, Gravel_73, KendraB23_73, Pelletreau_73, TaylorSipht_63, Toad24_65, Vulpecula_62,

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

Genes that do not have the "Most Annotated" start:
• Galaxy_60, Jamun_60,

Summary by start number:

Start 8:
• Found in 1 of 11 (9.1%) 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: Jamun_60 (AS1),

Start 10:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Galaxy_60 (AS1),

Start 11:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Basilisk_63 (AS1), Brynnie_62 (AS1), Eesa_62 (AS1), Gravel_73 (AS1), KendraB23_73 (AS1), Pelletreau_73 (AS1), TaylorSipht_63 (AS1), Toad24_65 (AS1), Vulpecula_62 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:
•Start number 8 was manually annotated 1 time for cluster AS1.
•Start number 10 was manually annotated 1 time for cluster AS1.
•Start number 11 was manually annotated 6 times for cluster AS1.

Gene Information:

Gene: Basilisk_63 Start: 37425, Stop: 37571, Start Num: 11
Candidate Starts for Basilisk_63:
(Start: 11 @37425 has 6 MA's), (12, 37485),

Gene: Brynnie_62 Start: 37628, Stop: 37771, Start Num: 11
Candidate Starts for Brynnie_62:
(1, 37277), (Start: 11 @37628 has 6 MA's), (13, 37688),

Gene: Eesa_62 Start: 38648, Stop: 38791, Start Num: 11
Candidate Starts for Eesa_62:
(Start: 11 @38648 has 6 MA's), (12, 38705),

Gene: Galaxy_60 Start: 36232, Stop: 36360, Start Num: 10
Candidate Starts for Galaxy_60:
(9, 36229), (Start: 10 @36232 has 1 MA's), (14, 36334),

Gene: Gravel_73 Start: 38904, Stop: 39047, Start Num: 11
Candidate Starts for Gravel_73:
(Start: 11 @38904 has 6 MA's), (12, 38961),

Gene: Jamun_60 Start: 37626, Stop: 37775, Start Num: 8
Candidate Starts for Jamun_60:
(5, 37563), (6, 37572), (Start: 8 @37626 has 1 MA's), (Start: 10 @37641 has 1 MA's), (14, 37743),

Gene: KendraB23_73 Start: 38609, Stop: 38752, Start Num: 11
Candidate Starts for KendraB23_73:
(Start: 11 @38609 has 6 MA's), (12, 38666),

Gene: Pelletreau_73 Start: 38904, Stop: 39047, Start Num: 11
Candidate Starts for Pelletreau_73:

(Start: 11 @38904 has 6 MA's), (12, 38961),

Gene: TaylorSipht_63 Start: 38119, Stop: 38274, Start Num: 11
Candidate Starts for TaylorSipht_63:
(2, 37933), (3, 37966), (4, 38020), (7, 38065), (Start: 11 @38119 has 6 MA's),

Gene: Toad24_65 Start: 38661, Stop: 38804, Start Num: 11
Candidate Starts for Toad24_65:
(Start: 11 @38661 has 6 MA's), (12, 38718),

Gene: Vulpecula_62 Start: 36799, Stop: 36945, Start Num: 11
Candidate Starts for Vulpecula_62:
(Start: 11 @36799 has 6 MA's), (12, 36859),