Pham 156936

1: Gsput1_44

2: DaddyRickover_65

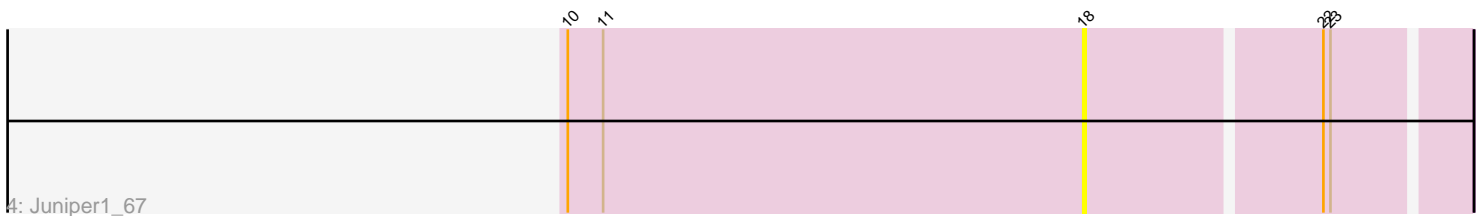3: Jinglebell_70
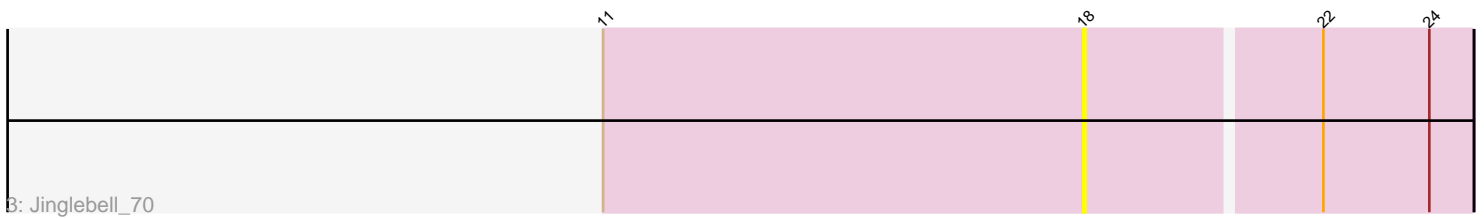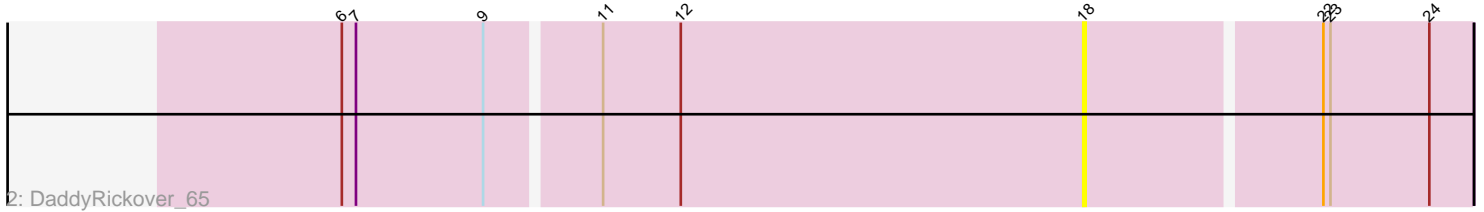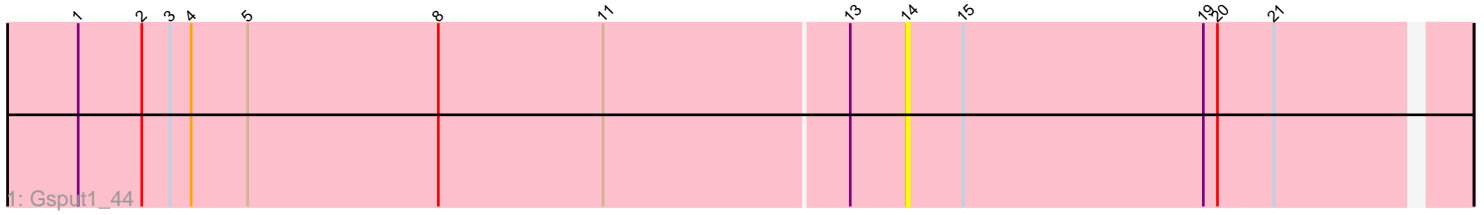
4: Juniper1_67

5: LittleShirley_66

6: Bubbles123_61

7: Crumble_60

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 156936 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156936 has 7 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Gsput1_44
• Track 2 : DaddyRickover_65
• Track 3 : Jinglebell_70
• Track 4 : Juniper1_67
• Track 5 : LittleShirley_66
• Track 6 : Bubbles123_61
• Track 7 : Crumble_60

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

The start number called the most often in the published annotations is 16, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bubbles123_61, Crumble_60,

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

Genes that do not have the "Most Annotated" start:
• DaddyRickover_65, Gsput1_44, Jinglebell_70, Juniper1_67, LittleShirley_66,

Summary by start number:

Start 14:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_44 (CU2),

Start 16:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bubbles123_61 (F1), Crumble_60 (F1),

Start 18:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DaddyRickover_65 (F1), Jinglebell_70 (F1), Juniper1_67 (F1), LittleShirley_66 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, CU2,

Info for manual annotations of cluster F1:
•Start number 16 was manually annotated 1 time for cluster F1.

Gene Information:
Gene: Bubbles123_61 Start: 41991, Stop: 42194, Start Num: 16
Candidate Starts for Bubbles123_61:
(11, 41832), (Start: 16 @41991 has 1 MA's), (22, 42132), (24, 42177),

Gene: Crumble_60 Start: 38570, Stop: 38773, Start Num: 16
Candidate Starts for Crumble_60:
(11, 38411), (Start: 16 @38570 has 1 MA's), (17, 38585), (22, 38711), (24, 38756),

Gene: DaddyRickover_65 Start: 43291, Stop: 43449, Start Num: 18
Candidate Starts for DaddyRickover_65:
(6, 42982), (7, 42988), (9, 43042), (11, 43087), (12, 43120), (18, 43291), (22, 43387), (23, 43390), (24, 43432),

Gene: Gsput1_44 Start: 32260, Stop: 32490, Start Num: 14
Candidate Starts for Gsput1_44:
(1, 31912), (2, 31939), (3, 31951), (4, 31960), (5, 31984), (8, 32065), (11, 32134), (13, 32236), (14, 32260), (15, 32284), (19, 32386), (20, 32392), (21, 32416),

Gene: Jinglebell_70 Start: 45522, Stop: 45680, Start Num: 18
Candidate Starts for Jinglebell_70:
(11, 45318), (18, 45522), (22, 45618), (24, 45663),

Gene: Juniper1_67 Start: 42939, Stop: 43091, Start Num: 18
Candidate Starts for Juniper1_67:
(10, 42720), (11, 42735), (18, 42939), (22, 43035), (23, 43038),

Gene: LittleShirley_66 Start: 42997, Stop: 43149, Start Num: 18
Candidate Starts for LittleShirley_66:
(11, 42793), (18, 42997), (22, 43093), (23, 43096),