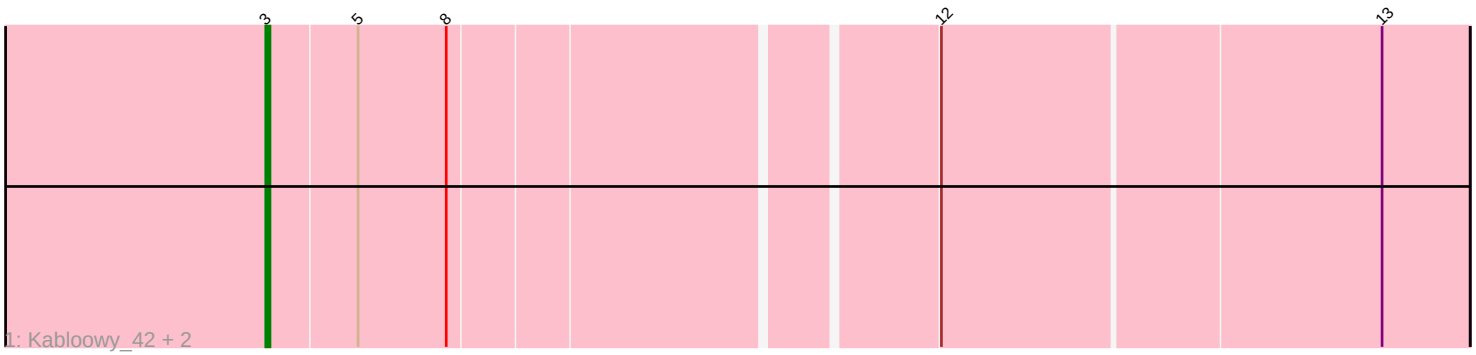
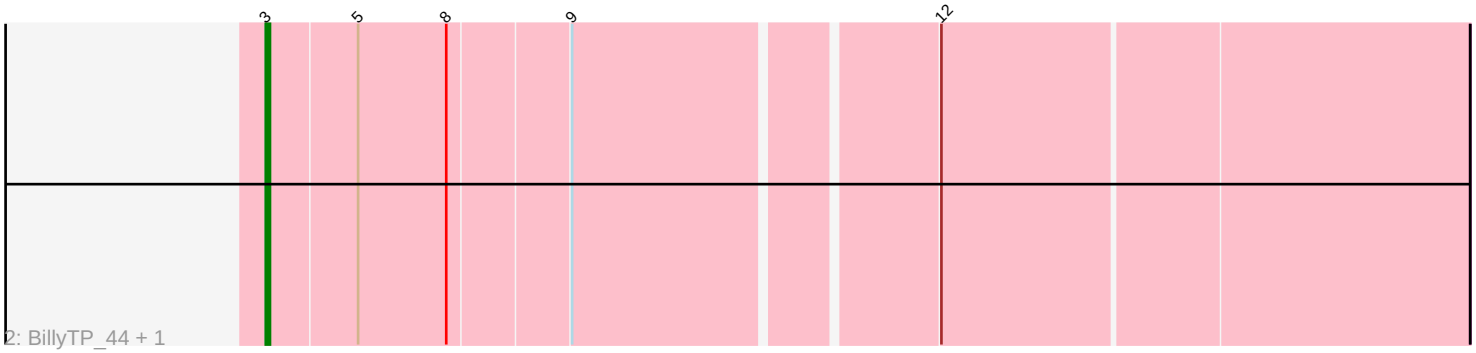
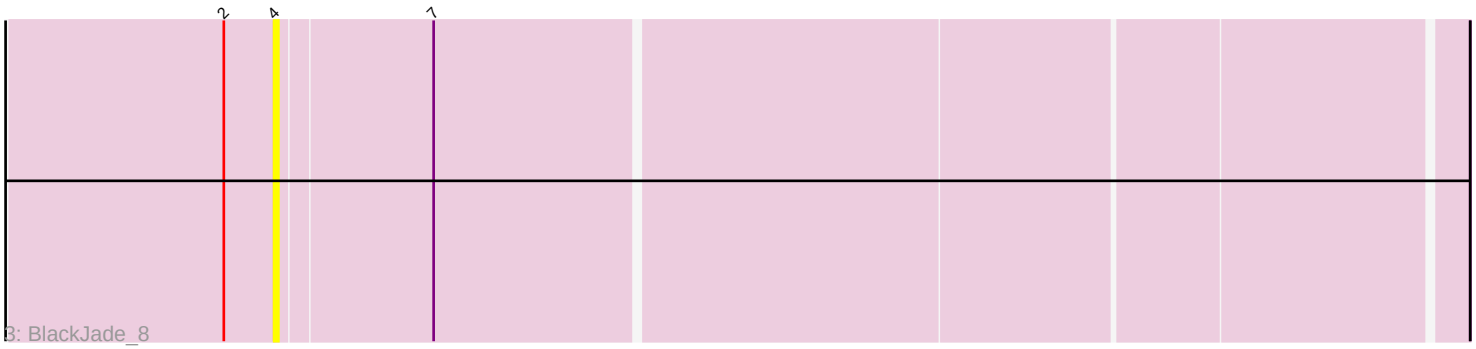
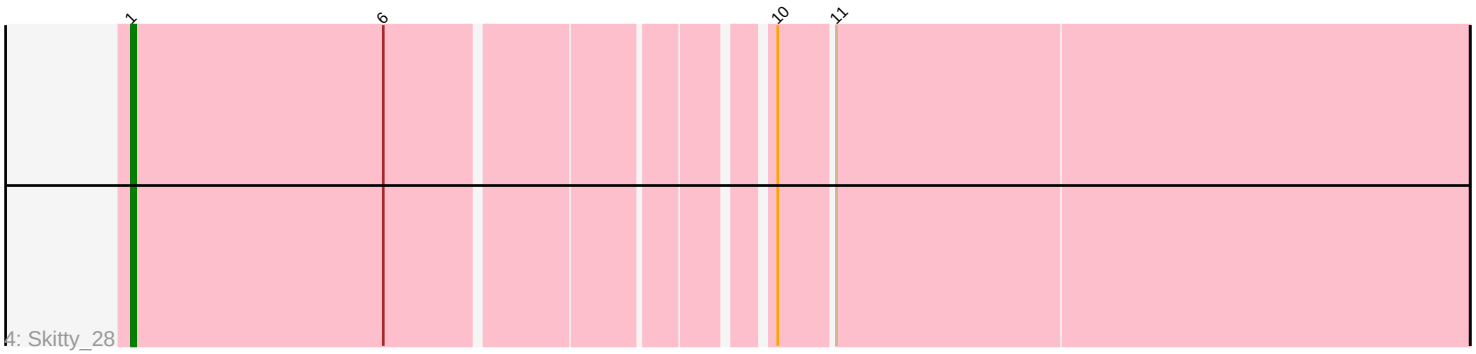
# Pham 348359


3
5
8
12
13
1: Kabloowy_42 + 2


3
5
8
9
12
2: BillyTP_44 + 1


2
4
7
3: BlackJade_8


1
6
10
11
4: Skitty_28

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 348359 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348359 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kabloowy_42, RadFad_42, Hillester_42
• Track 2 : BillyTP_44, Sporco_44
• Track 3 : BlackJade_8
• Track 4 : Skitty_28

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillyTP_44, Hillester_42, Kabloowy_42, RadFad_42, Sporco_44,

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

Genes that do not have the "Most Annotated" start:
• BlackJade_8, Skitty_28,

**Summary by start number:**

Start 1:
• Found in 1 of 7 ( 14.3% ) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skitty_28 (FQ1),

Start 3:
• Found in 5 of 7 ( 71.4% ) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillyTP_44 (AY), Hillester_42 (AY), Kabloowy_42 (AY), RadFad_42 (AY), Sporco_44 (AY),

Start 4:
• 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: BlackJade_8 (FL),

**Summary by clusters:**

There are 3 clusters represented in this pham: AY, FQ1, FL,

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster FQ1:
•Start number 1 was manually annotated 1 time for cluster FQ1.

***Gene Information:***

Gene: BillyTP_44 Start: 29596, Stop: 29324, Start Num: 3
Candidate Starts for BillyTP_44:
(Start: 3 @29596 has 5 MA's), (5, 29575), (8, 29554), (9, 29527), (12, 29446),

Gene: BlackJade_8 Start: 7287, Stop: 7015, Start Num: 4
Candidate Starts for BlackJade_8:
(2, 7299), (4, 7287), (7, 7251),

Gene: Hillester_42 Start: 28347, Stop: 28075, Start Num: 3
Candidate Starts for Hillester_42:
(Start: 3 @28347 has 5 MA's), (5, 28326), (8, 28305), (12, 28197), (13, 28095),

Gene: Kabloowy_42 Start: 28465, Stop: 28193, Start Num: 3
Candidate Starts for Kabloowy_42:
(Start: 3 @28465 has 5 MA's), (5, 28444), (8, 28423), (12, 28315), (13, 28213),

Gene: RadFad_42 Start: 28347, Stop: 28075, Start Num: 3
Candidate Starts for RadFad_42:
(Start: 3 @28347 has 5 MA's), (5, 28326), (8, 28305), (12, 28197), (13, 28095),

Gene: Skitty_28 Start: 22362, Stop: 22060, Start Num: 1
Candidate Starts for Skitty_28:
(Start: 1 @22362 has 1 MA's), (6, 22302), (10, 22221), (11, 22209),

Gene: Sporco_44 Start: 28855, Stop: 28583, Start Num: 3
Candidate Starts for Sporco_44:
(Start: 3 @28855 has 5 MA's), (5, 28834), (8, 28813), (9, 28786), (12, 28705),