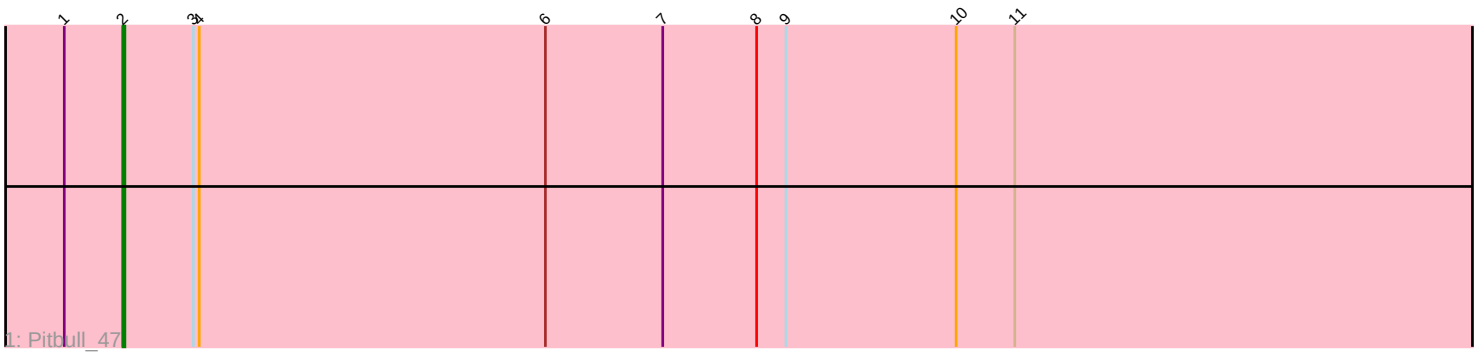
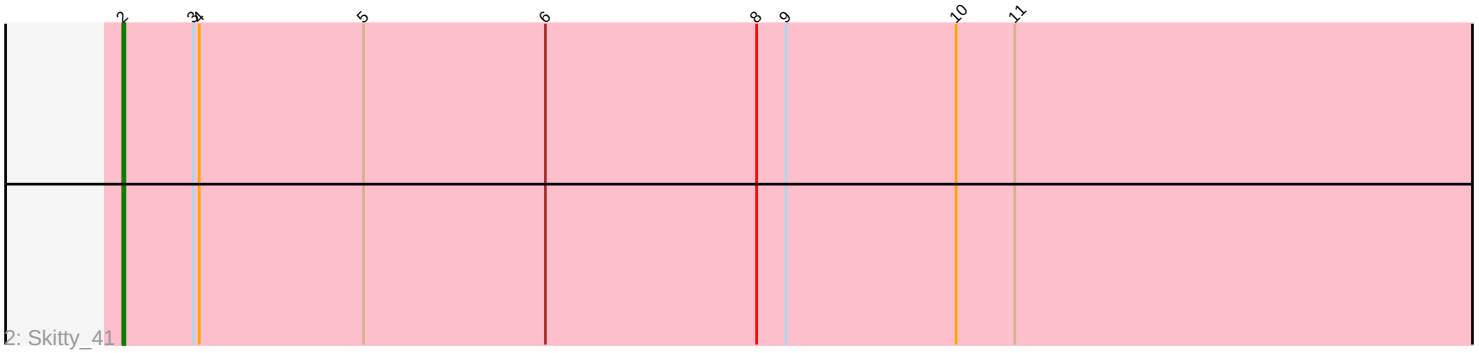
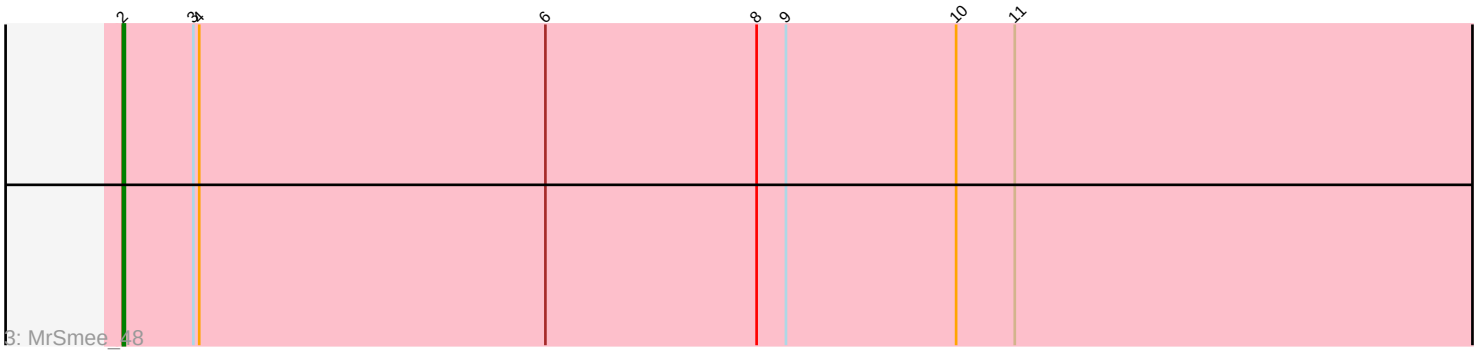
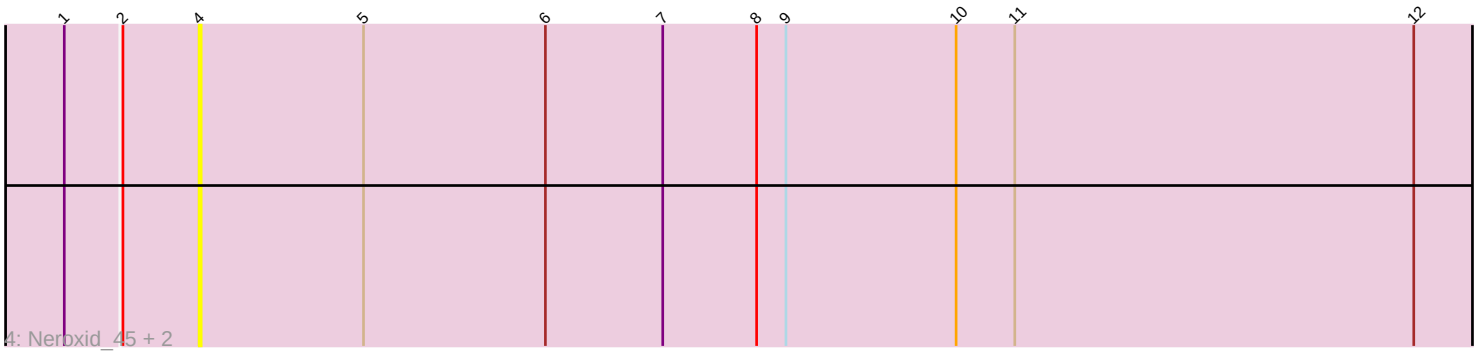
Pham 346575


1
2
3
4
6
7
8
9
10
11
1: Pitbull_47


2
3
4
5
6
8
9
10
11
2: Skitty_41


2
3
4
6
8
9
10
11
3: MrSmee_48


1
2
4
5
6
7
8
9
10
11
12
4: Nerboxid_45 + 2

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 346575 Report

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

Pham number 346575 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Pitbull_47
• Track 2 : Skitty_41
• Track 3 : MrSmee_48
• Track 4 : Neroxid_45, Raya_45, Skyerus_40

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MrSmee_48, Pitbull_47, Skitty_41,

Genes that have the "Most Annotated" start but do not call it:
• Neroxid_45, Raya_45, Skyerus_40,

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

Summary by start number:

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MrSmee_48 (FQ1), Pitbull_47 (FQ1), Skitty_41 (FQ1),

Start 4:
• Found in 6 of 6 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Neroxid_45 (FQ2), Raya_45 (FQ2), Skyerus_40 (FQ2),

Summary by clusters:

There are 2 clusters represented in this pham: FQ2, FQ1,

Info for manual annotations of cluster FQ1:
•Start number 2 was manually annotated 3 times for cluster FQ1.

Gene Information:

Gene: MrSmee_48 Start: 29337, Stop: 30098, Start Num: 2
Candidate Starts for MrSmee_48:
(Start: 2 @29337 has 3 MA's), (3, 29373), (4, 29376), (6, 29553), (8, 29661), (9, 29676), (10, 29763), (11, 29793),

Gene: Neroxid_45 Start: 27877, Stop: 28599, Start Num: 4
Candidate Starts for Neroxid_45:
(1, 27811), (Start: 2 @27838 has 3 MA's), (4, 27877), (5, 27961), (6, 28054), (7, 28114), (8, 28162), (9, 28177), (10, 28264), (11, 28294), (12, 28498),

Gene: Pitbull_47 Start: 27673, Stop: 28434, Start Num: 2
Candidate Starts for Pitbull_47:
(1, 27643), (Start: 2 @27673 has 3 MA's), (3, 27709), (4, 27712), (6, 27889), (7, 27949), (8, 27997), (9, 28012), (10, 28099), (11, 28129),

Gene: Raya_45 Start: 27877, Stop: 28599, Start Num: 4
Candidate Starts for Raya_45:
(1, 27811), (Start: 2 @27838 has 3 MA's), (4, 27877), (5, 27961), (6, 28054), (7, 28114), (8, 28162), (9, 28177), (10, 28264), (11, 28294), (12, 28498),

Gene: Skitty_41 Start: 27019, Stop: 27780, Start Num: 2
Candidate Starts for Skitty_41:
(Start: 2 @27019 has 3 MA's), (3, 27055), (4, 27058), (5, 27142), (6, 27235), (8, 27343), (9, 27358), (10, 27445), (11, 27475),

Gene: Skyerus_40 Start: 25995, Stop: 26717, Start Num: 4
Candidate Starts for Skyerus_40:
(1, 25929), (Start: 2 @25956 has 3 MA's), (4, 25995), (5, 26079), (6, 26172), (7, 26232), (8, 26280), (9, 26295), (10, 26382), (11, 26412), (12, 26616),