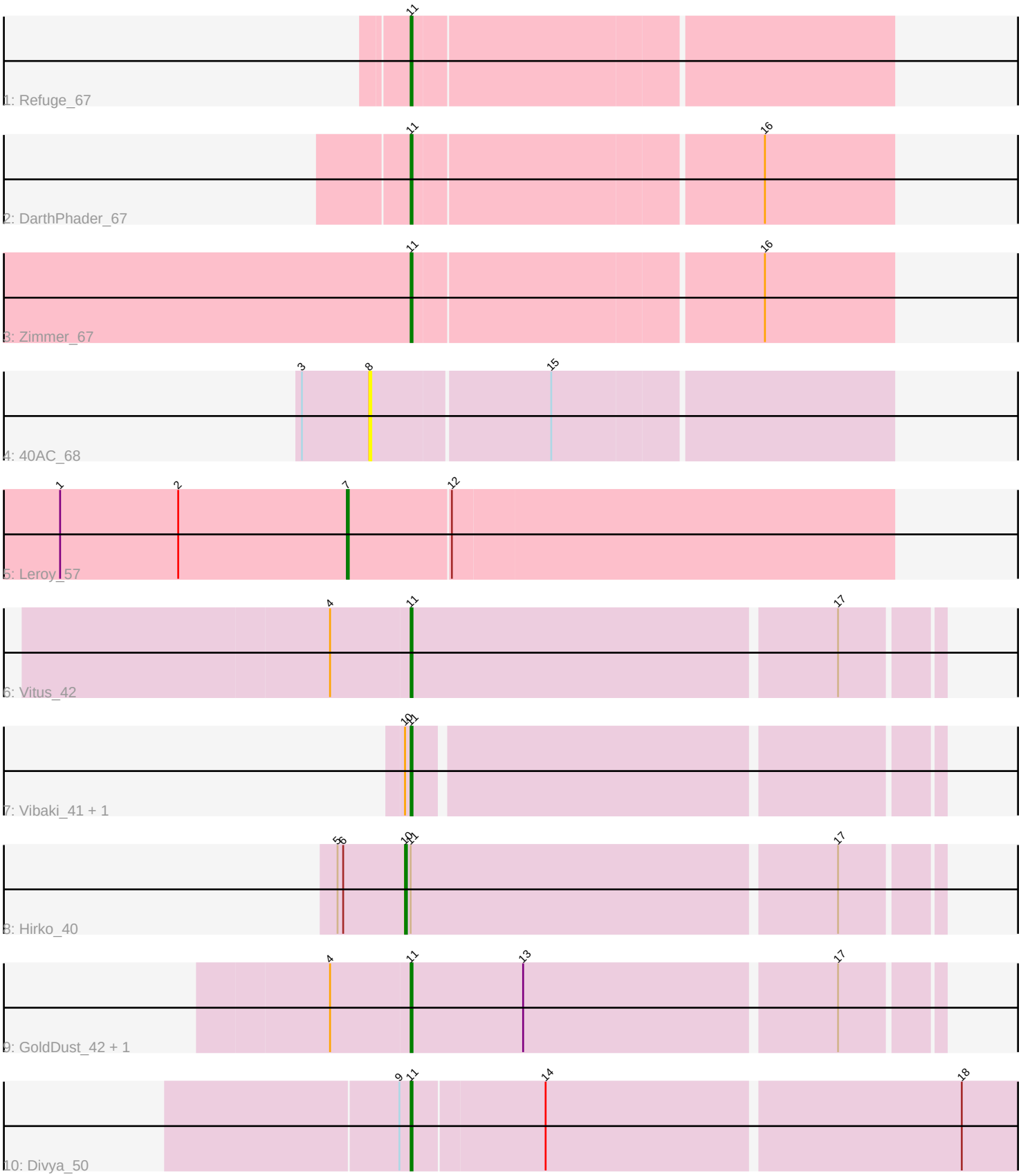
Pham 346333


11
1: Refuge_67
11
16
2: DarthPhader_67
11
16
3: Zimmer_67
3
8
15
4: 40AC_68
1
2
7
12
5: Leroy_57
4
11
17
6: Vitus_42
10
11
7: Vibaki_41 + 1
5
6
10
11
17
8: Hirko_40
4
11
13
17
9: GoldDust_42 + 1
9
11
14
18
10: Divya_50

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 346333 Report

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

Pham number 346333 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Refuge_67
• Track 2 : DarthPhader_67
• Track 3 : Zimmer_67
• Track 4 : 40AC_68
• Track 5 : Leroy_57
• Track 6 : Vitus_42
• Track 7 : Vibaki_41, Music_41
• Track 8 : Hirko_40
• Track 9 : GoldDust_42, Gooberta_42
• Track 10 : Divya_50

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DarthPhader_67, Divya_50, GoldDust_42, Gooberta_42, Music_41, Refuge_67, Vibaki_41, Vitus_42, Zimmer_67,

Genes that have the "Most Annotated" start but do not call it:
• Hirko_40,

Genes that do not have the "Most Annotated" start:
• 40AC_68, Leroy_57,

Summary by start number:

Start 7:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Leroy_57 (DN1),

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 40AC_68 (A17),

Start 10:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hirko_40 (FL),

Start 11:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 90.0% of time when present
• Phage (with cluster) where this start called: DarthPhader_67 (A12), Divya_50 (FL), GoldDust_42 (FL), Gooberta_42 (FL), Music_41 (FL), Refuge_67 (A12), Vibaki_41 (FL), Vitus_42 (FL), Zimmer_67 (A12),

Summary by clusters:

There are 4 clusters represented in this pham: DN1, A17, FL, A12,

Info for manual annotations of cluster A12:
•Start number 11 was manually annotated 3 times for cluster A12.

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster FL:
•Start number 10 was manually annotated 1 time for cluster FL.
•Start number 11 was manually annotated 5 times for cluster FL.

Gene Information:

Gene: 40AC_68 Start: 43390, Stop: 43121, Start Num: 8
Candidate Starts for 40AC_68:
(3, 43426), (8, 43390), (15, 43297),

Gene: DarthPhader_67 Start: 43330, Stop: 43082, Start Num: 11
Candidate Starts for DarthPhader_67:
(Start: 11 @43330 has 8 MA's), (16, 43150),

Gene: Divya_50 Start: 34591, Stop: 34923, Start Num: 11
Candidate Starts for Divya_50:
(9, 34585), (Start: 11 @34591 has 8 MA's), (14, 34660), (18, 34876),

Gene: GoldDust_42 Start: 34216, Stop: 34488, Start Num: 11
Candidate Starts for GoldDust_42:

(4, 34174), (Start: 11 @34216 has 8 MA's), (13, 34276), (17, 34438),

Gene: Gooberta_42 Start: 34215, Stop: 34487, Start Num: 11
Candidate Starts for Gooberta_42:
(4, 34173), (Start: 11 @34215 has 8 MA's), (13, 34275), (17, 34437),

Gene: Hirko_40 Start: 33453, Stop: 33728, Start Num: 10
Candidate Starts for Hirko_40:
(5, 33417), (6, 33420), (Start: 10 @33453 has 1 MA's), (Start: 11 @33456 has 8 MA's), (17, 33678),

Gene: Leroy_57 Start: 36702, Stop: 36989, Start Num: 7
Candidate Starts for Leroy_57:
(1, 36549), (2, 36612), (Start: 7 @36702 has 1 MA's), (12, 36756),

Gene: Music_41 Start: 33823, Stop: 34089, Start Num: 11
Candidate Starts for Music_41:
(Start: 10 @33820 has 1 MA's), (Start: 11 @33823 has 8 MA's),

Gene: Refuge_67 Start: 43380, Stop: 43132, Start Num: 11
Candidate Starts for Refuge_67:
(Start: 11 @43380 has 8 MA's),

Gene: Vibaki_41 Start: 33844, Stop: 34110, Start Num: 11
Candidate Starts for Vibaki_41:
(Start: 10 @33841 has 1 MA's), (Start: 11 @33844 has 8 MA's),

Gene: Vitus_42 Start: 32840, Stop: 33112, Start Num: 11
Candidate Starts for Vitus_42:
(4, 32798), (Start: 11 @32840 has 8 MA's), (17, 33062),

Gene: Zimmer_67 Start: 43096, Stop: 42848, Start Num: 11
Candidate Starts for Zimmer_67:
(Start: 11 @43096 has 8 MA's), (16, 42916),