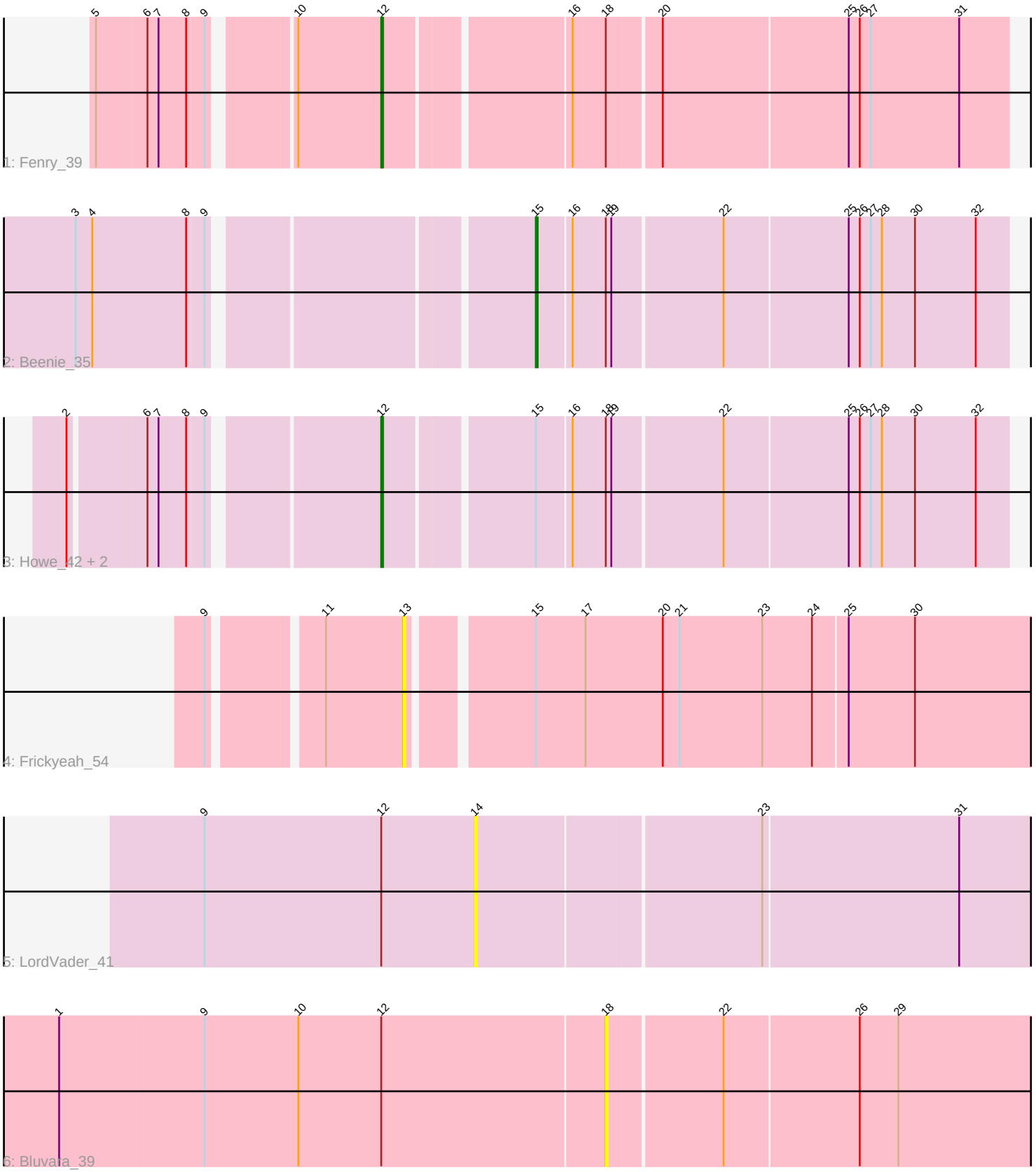
Pham 284487


5
6
7
8
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12
16
18
20
25
26
27
31
1: Fenry_39
3
4
8
9
15
16
18
19
22
25
26
27
28
30
32
2: Beenie_35
2
6
7
8
9
12
15
16
18
19
22
25
26
27
28
30
32
3: Howe_42 + 2
9
11
13
15
17
20
21
23
24
25
30
4: Frickyeah_54
9
12
14
23
31
5: LordVader_41
1
9
10
12
18
22
26
29
6: Bluvata_39

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 284487 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284487 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fenry_39
• Track 2 : Beenie_35
• Track 3 : Howe_42, Hortense_42, Twinkle_41
• Track 4 : Frickyeah_54
• Track 5 : LordVader_41
• Track 6 : Bluvara_39

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fenry_39, Hortense_42, Howe_42, Twinkle_41,

Genes that have the "Most Annotated" start but do not call it:
• Bluvara_39, LordVader_41,

Genes that do not have the "Most Annotated" start:
• Beenie_35, Frickyeah_54,

Summary by start number:

Start 12:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Fenry_39 (CV), Hortense_42 (CZ4), Howe_42 (CZ4), Twinkle_41 (CZ4),

Start 13:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Frickyeah_54 (DN1),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LordVader_41 (F),

Start 15:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Beenie_35 (CZ4),

Start 18:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Bluvara_39 (UNK),

Summary by clusters:

There are 5 clusters represented in this pham: UNK, DN1, CV, CZ4, F,

Info for manual annotations of cluster CV:
•Start number 12 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ4:
•Start number 12 was manually annotated 3 times for cluster CZ4.
•Start number 15 was manually annotated 1 time for cluster CZ4.

Gene Information:

Gene: Beenie_35 Start: 30755, Stop: 30507, Start Num: 15
Candidate Starts for Beenie_35:
(3, 30983), (4, 30974), (8, 30923), (9, 30914), (Start: 15 @30755 has 1 MA's), (16, 30737), (18, 30719), (19, 30716), (22, 30659), (25, 30593), (26, 30587), (27, 30581), (28, 30575), (30, 30557), (32, 30524),

Gene: Bluvara_39 Start: 32313, Stop: 32086, Start Num: 18
Candidate Starts for Bluvara_39:
(1, 32607), (9, 32529), (10, 32478), (Start: 12 @32433 has 4 MA's), (18, 32313), (22, 32253), (26, 32181), (29, 32160),

Gene: Fenry_39 Start: 32680, Stop: 32357, Start Num: 12
Candidate Starts for Fenry_39:
(5, 32821), (6, 32794), (7, 32788), (8, 32773), (9, 32764), (10, 32725), (Start: 12 @32680 has 4 MA's), (16, 32587), (18, 32569), (20, 32542), (25, 32443), (26, 32437), (27, 32431), (31, 32383),

Gene: Frickyeah_54 Start: 33610, Stop: 33284, Start Num: 13
Candidate Starts for Frickyeah_54:
(9, 33706), (11, 33652), (13, 33610), (Start: 15 @33550 has 1 MA's), (17, 33523), (20, 33481), (21, 33472), (23, 33427), (24, 33400), (25, 33382), (30, 33346),

Gene: Hortense_42 Start: 34200, Stop: 33877, Start Num: 12
Candidate Starts for Hortense_42:
(2, 34353), (6, 34314), (7, 34308), (8, 34293), (9, 34284), (Start: 12 @34200 has 4 MA's), (Start: 15 @34125 has 1 MA's), (16, 34107), (18, 34089), (19, 34086), (22, 34029), (25, 33963), (26, 33957), (27, 33951), (28, 33945), (30, 33927), (32, 33894),

Gene: Howe_42 Start: 34200, Stop: 33877, Start Num: 12
Candidate Starts for Howe_42:
(2, 34353), (6, 34314), (7, 34308), (8, 34293), (9, 34284), (Start: 12 @34200 has 4 MA's), (Start: 15 @34125 has 1 MA's), (16, 34107), (18, 34089), (19, 34086), (22, 34029), (25, 33963), (26, 33957), (27, 33951), (28, 33945), (30, 33927), (32, 33894),

Gene: LordVader_41 Start: 28794, Stop: 28498, Start Num: 14
Candidate Starts for LordVader_41:
(9, 28941), (Start: 12 @28845 has 4 MA's), (14, 28794), (23, 28644), (31, 28539),

Gene: Twinkle_41 Start: 35259, Stop: 34936, Start Num: 12
Candidate Starts for Twinkle_41:
(2, 35412), (6, 35373), (7, 35367), (8, 35352), (9, 35343), (Start: 12 @35259 has 4 MA's), (Start: 15 @35184 has 1 MA's), (16, 35166), (18, 35148), (19, 35145), (22, 35088), (25, 35022), (26, 35016), (27, 35010), (28, 35004), (30, 34986), (32, 34953),