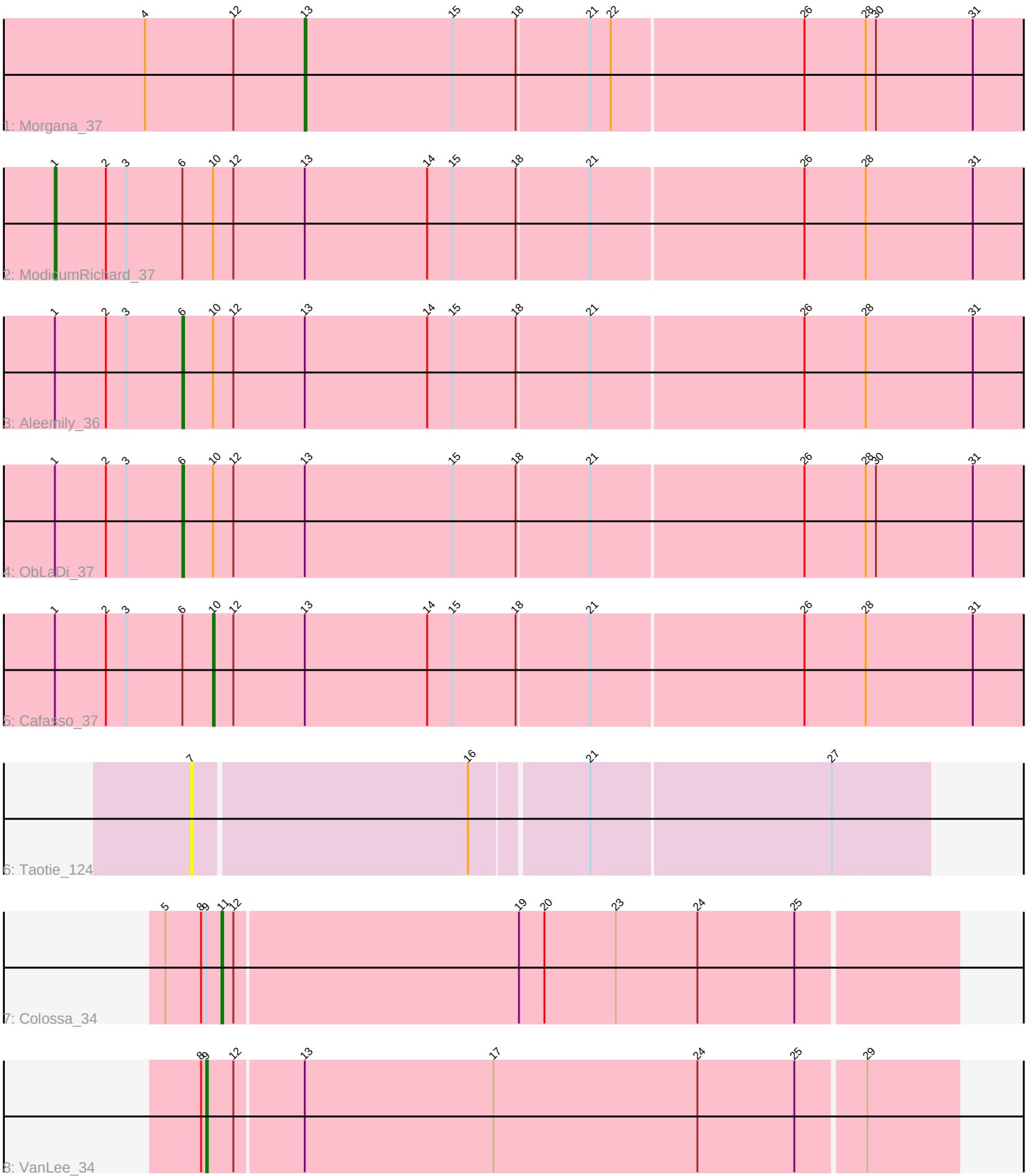
Pham 346484


4
12
13
15
18
21
22
26
28
30
31
1: Morgana_37
1
2
3
6
10
12
13
14
15
18
21
26
28
31
2: ModicumRichard_37
1
2
3
6
10
12
13
14
15
18
21
26
28
31
3: Aleemily_36
1
2
3
6
10
12
13
15
18
21
26
28
30
31
4: ObLaDi_37
1
2
3
6
10
12
13
14
15
18
21
26
28
31
5: Cafasso_37
7
16
21
27
6: Taotie_124
5
8
9
11
12
19
20
23
24
25
7: Colossa_34
8
9
12
13
17
24
25
29
8: VanLee_34

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 346484 Report

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

Pham number 346484 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Morgana_37
• Track 2 : ModicumRichard_37
• Track 3 : Aleemily_36
• Track 4 : ObLaDi_37
• Track 5 : Cafasso_37
• Track 6 : Taotie_124
• Track 7 : Colossa_34
• Track 8 : VanLee_34

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_36, ObLaDi_37,

Genes that have the "Most Annotated" start but do not call it:
• Cafasso_37, ModicumRichard_37,

Genes that do not have the "Most Annotated" start:
• Colossa_34, Morgana_37, Taotie_124, VanLee_34,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: ModicumRichard_37 (DZ),

Start 6:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 7

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Aleemily_36 (DZ), ObLaDi_37 (DZ),

Start 7:
• 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: Taotie_124 (EQ),

Start 9:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: VanLee_34 (KA),

Start 10:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Cafasso_37 (DZ),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Colossa_34 (KA),

Start 13:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Morgana_37 (DZ),

Summary by clusters:

There are 3 clusters represented in this pham: DZ, KA, EQ,

Info for manual annotations of cluster DZ:
•Start number 1 was manually annotated 1 time for cluster DZ.
•Start number 6 was manually annotated 2 times for cluster DZ.
•Start number 10 was manually annotated 1 time for cluster DZ.
•Start number 13 was manually annotated 1 time for cluster DZ.

Info for manual annotations of cluster KA:
•Start number 9 was manually annotated 1 time for cluster KA.
•Start number 11 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: Aleemily_36 Start: 31232, Stop: 30702, Start Num: 6

Candidate Starts for Aleemily_36:
(Start: 1 @31307 has 1 MA's), (2, 31277), (3, 31265), (Start: 6 @31232 has 2 MA's), (Start: 10 @31214 has 1 MA's), (12, 31202), (Start: 13 @31160 has 1 MA's), (14, 31088), (15, 31073), (18, 31037), (21, 30995), (26, 30872), (28, 30836), (31, 30773),

Gene: Cafasso_37 Start: 31788, Stop: 31276, Start Num: 10
Candidate Starts for Cafasso_37:
(Start: 1 @31881 has 1 MA's), (2, 31851), (3, 31839), (Start: 6 @31806 has 2 MA's), (Start: 10 @31788 has 1 MA's), (12, 31776), (Start: 13 @31734 has 1 MA's), (14, 31662), (15, 31647), (18, 31611), (21, 31569), (26, 31446), (28, 31410), (31, 31347),

Gene: Colossa_34 Start: 28857, Stop: 28432, Start Num: 11
Candidate Starts for Colossa_34:
(5, 28890), (8, 28869), (Start: 9 @28866 has 1 MA's), (Start: 11 @28857 has 1 MA's), (12, 28851), (19, 28686), (20, 28671), (23, 28629), (24, 28581), (25, 28524),

Gene: ModicumRichard_37 Start: 31880, Stop: 31275, Start Num: 1
Candidate Starts for ModicumRichard_37:
(Start: 1 @31880 has 1 MA's), (2, 31850), (3, 31838), (Start: 6 @31805 has 2 MA's), (Start: 10 @31787 has 1 MA's), (12, 31775), (Start: 13 @31733 has 1 MA's), (14, 31661), (15, 31646), (18, 31610), (21, 31568), (26, 31445), (28, 31409), (31, 31346),

Gene: Morgana_37 Start: 31686, Stop: 31228, Start Num: 13
Candidate Starts for Morgana_37:
(4, 31779), (12, 31728), (Start: 13 @31686 has 1 MA's), (15, 31599), (18, 31563), (21, 31521), (22, 31509), (26, 31398), (28, 31362), (30, 31356), (31, 31299),

Gene: ObLaDi_37 Start: 31789, Stop: 31259, Start Num: 6
Candidate Starts for ObLaDi_37:
(Start: 1 @31864 has 1 MA's), (2, 31834), (3, 31822), (Start: 6 @31789 has 2 MA's), (Start: 10 @31771 has 1 MA's), (12, 31759), (Start: 13 @31717 has 1 MA's), (15, 31630), (18, 31594), (21, 31552), (26, 31429), (28, 31393), (30, 31387), (31, 31330),

Gene: Taotie_124 Start: 63523, Stop: 63104, Start Num: 7
Candidate Starts for Taotie_124:
(7, 63523), (16, 63364), (21, 63298), (27, 63160),

Gene: VanLee_34 Start: 28889, Stop: 28455, Start Num: 9
Candidate Starts for VanLee_34:
(8, 28892), (Start: 9 @28889 has 1 MA's), (12, 28874), (Start: 13 @28835 has 1 MA's), (17, 28724), (24, 28604), (25, 28547), (29, 28508),