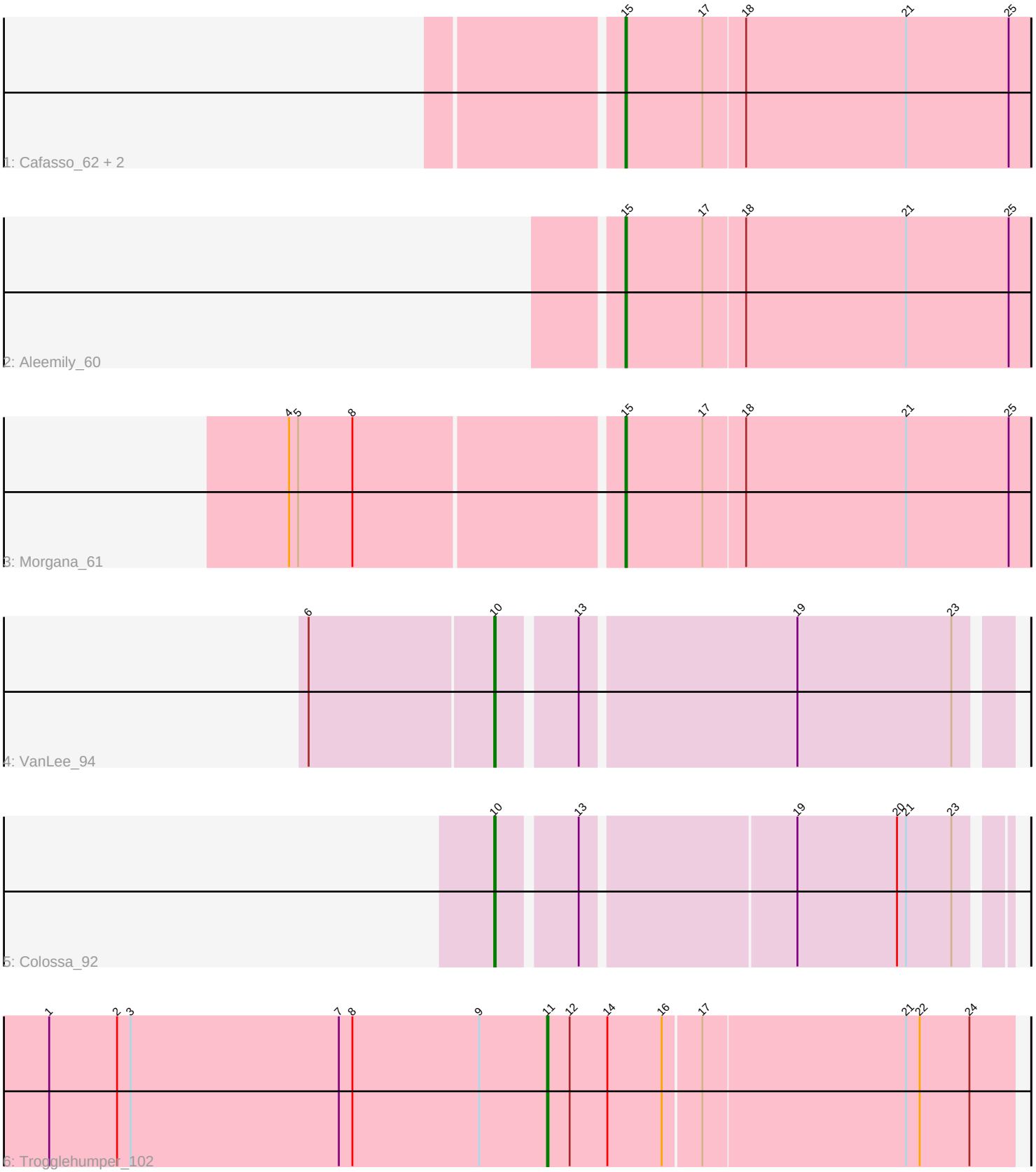
Pham 331583


15
17
18
21
25
1: Cafasso_62 + 2
15
17
18
21
25
2: Aleemily_60
4
5
8
15
17
18
21
25
3: Morgana_61
6
10
13
19
23
4: VanLee_94
10
13
19
20
21
23
5: Colossa_92
1
2
3
7
8
9
11
12
14
16
17
21
22
24
6: Trogglehumper_102

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 331583 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331583 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cafasso_62, ObLaDi_61, ModicumRichard_61
• Track 2 : Aleemily_60
• Track 3 : Morgana_61
• Track 4 : VanLee_94
• Track 5 : Colossa_92
• Track 6 : Trogglehumper_102

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_60, Cafasso_62, ModicumRichard_61, Morgana_61, ObLaDi_61,

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

Genes that do not have the "Most Annotated" start:
• Colossa_92, Trogglehumper_102, VanLee_94,

Summary by start number:

Start 10:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Colossa_92 (KA), VanLee_94 (KA),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trogglehumper_102 (singleton),

Start 15:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_60 (DZ), Cafasso_62 (DZ), ModicumRichard_61 (DZ), Morgana_61 (DZ), ObLaDi_61 (DZ),

Summary by clusters:

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

Info for manual annotations of cluster DZ:
•Start number 15 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster KA:
•Start number 10 was manually annotated 2 times for cluster KA.

Gene Information:

Gene: Aleemily_60 Start: 42108, Stop: 42371, Start Num: 15
Candidate Starts for Aleemily_60:
(Start: 15 @42108 has 5 MA's), (17, 42159), (18, 42186), (21, 42291), (25, 42357),

Gene: Cafasso_62 Start: 42732, Stop: 42995, Start Num: 15
Candidate Starts for Cafasso_62:
(Start: 15 @42732 has 5 MA's), (17, 42783), (18, 42810), (21, 42915), (25, 42981),

Gene: Colossa_92 Start: 50687, Stop: 51001, Start Num: 10
Candidate Starts for Colossa_92:
(Start: 10 @50687 has 2 MA's), (13, 50735), (19, 50870), (20, 50936), (21, 50942), (23, 50972),

Gene: ModicumRichard_61 Start: 42735, Stop: 42998, Start Num: 15
Candidate Starts for ModicumRichard_61:
(Start: 15 @42735 has 5 MA's), (17, 42786), (18, 42813), (21, 42918), (25, 42984),

Gene: Morgana_61 Start: 42693, Stop: 42956, Start Num: 15
Candidate Starts for Morgana_61:
(4, 42483), (5, 42489), (8, 42525), (Start: 15 @42693 has 5 MA's), (17, 42744), (18, 42771), (21, 42876), (25, 42942),

Gene: ObLaDi_61 Start: 42680, Stop: 42943, Start Num: 15
Candidate Starts for ObLaDi_61:
(Start: 15 @42680 has 5 MA's), (17, 42731), (18, 42758), (21, 42863), (25, 42929),

Gene: Trogglehumper_102 Start: 71943, Stop: 71644, Start Num: 11
Candidate Starts for Trogglehumper_102:
(1, 72273), (2, 72228), (3, 72219), (7, 72081), (8, 72072), (9, 71988), (Start: 11 @71943 has 1 MA's), (12, 71928), (14, 71904), (16, 71868), (17, 71844), (21, 71712), (22, 71703), (24, 71670),

Gene: VanLee_94 Start: 51351, Stop: 51671, Start Num: 10

Candidate Starts for VanLee_94:
(6, 51231), (Start: 10 @51351 has 2 MA's), (13, 51399), (19, 51537), (23, 51639),