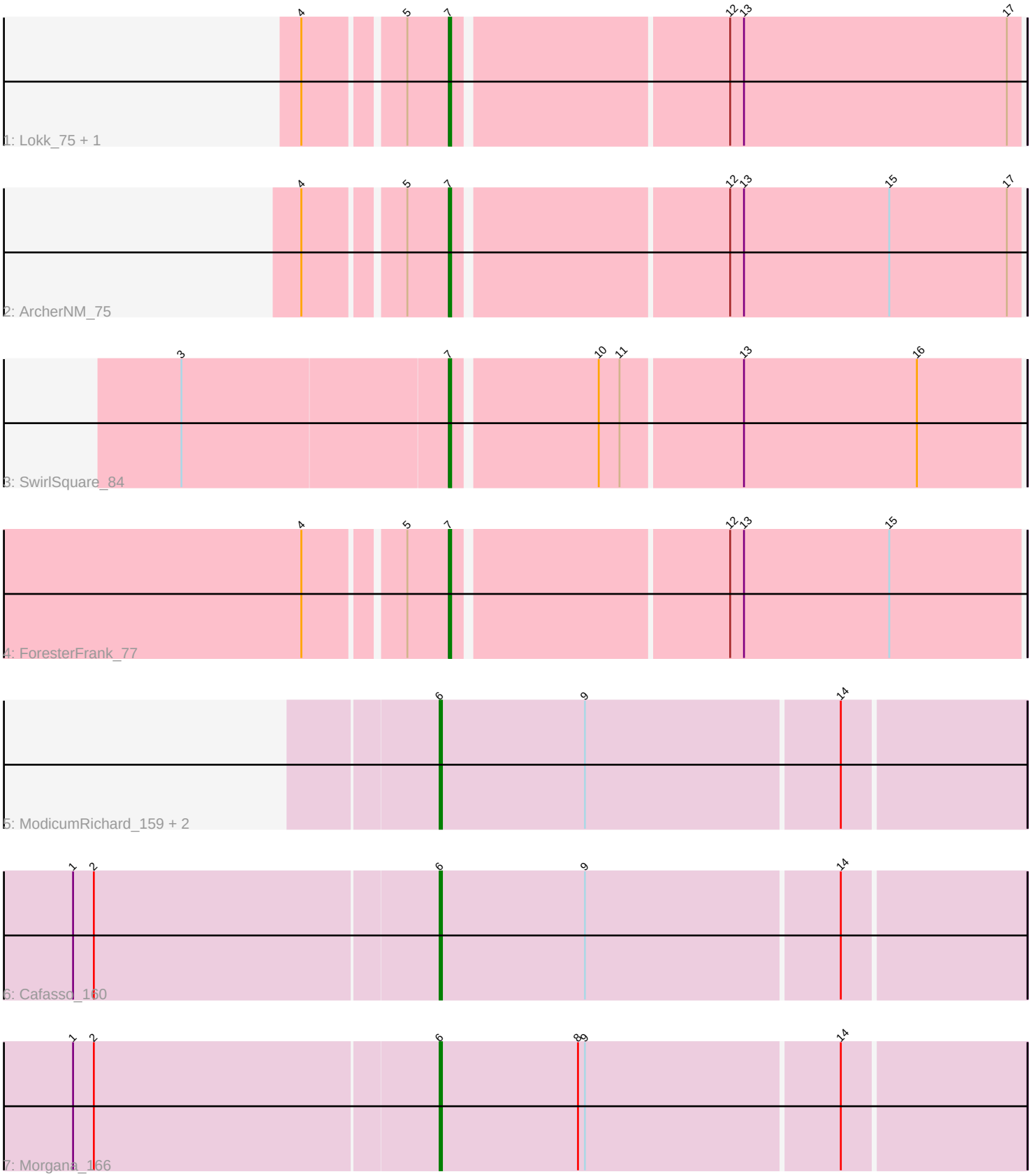
Pham 346399


4
5
7
12
13
17
1: Lokk_75 + 1
4
5
7
12
13
15
17
2: ArcherNM_75
3
7
10
11
13
16
3: SwirlSquare_84
4
5
7
12
13
15
4: ForesterFrank_77
6
9
14
5: ModicumRichard_159 + 2
1
2
6
9
14
6: Cafasso_160
1
2
6
8
9
14
7: Morgana_166

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 346399 Report

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

Pham number 346399 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Lokk_75, BobSwaget_74
• Track 2 : ArcherNM_75
• Track 3 : SwirlSquare_84
• Track 4 : ForesterFrank_77
• Track 5 : ModicumRichard_159, Aleemily_158, ObLaDi_160
• Track 6 : Cafasso_160
• Track 7 : Morgana_166

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

Genes that call this "Most Annotated" start:
• Aleemily_158, Cafasso_160, ModicumRichard_159, Morgana_166, ObLaDi_160,

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

Genes that do not have the "Most Annotated" start:
• ArcherNM_75, BobSwaget_74, ForesterFrank_77, Lokk_75, SwirlSquare_84,

Summary by start number:

Start 6:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_158 (DZ), Cafasso_160 (DZ), ModicumRichard_159 (DZ), Morgana_166 (DZ), ObLaDi_160 (DZ),

Start 7:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArcherNM_75 (A2), BobSwaget_74 (A2), ForesterFrank_77 (A2), Lokk_75 (A2), SwirlSquare_84 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A2, DZ,

Info for manual annotations of cluster A2:
•Start number 7 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster DZ:
•Start number 6 was manually annotated 5 times for cluster DZ.

Gene Information:

Gene: Aleemily_158 Start: 82918, Stop: 83166, Start Num: 6
Candidate Starts for Aleemily_158:
(Start: 6 @82918 has 5 MA's), (9, 82981), (14, 83089),

Gene: ArcherNM_75 Start: 46588, Stop: 46349, Start Num: 7
Candidate Starts for ArcherNM_75:
(4, 46645), (5, 46606), (Start: 7 @46588 has 5 MA's), (12, 46474), (13, 46468), (15, 46405), (17, 46354),

Gene: BobSwaget_74 Start: 44682, Stop: 44443, Start Num: 7
Candidate Starts for BobSwaget_74:
(4, 44739), (5, 44700), (Start: 7 @44682 has 5 MA's), (12, 44568), (13, 44562), (17, 44448),

Gene: Cafasso_160 Start: 83344, Stop: 83592, Start Num: 6
Candidate Starts for Cafasso_160:
(1, 83188), (2, 83197), (Start: 6 @83344 has 5 MA's), (9, 83407), (14, 83515),

Gene: ForesterFrank_77 Start: 46820, Stop: 46581, Start Num: 7
Candidate Starts for ForesterFrank_77:
(4, 46877), (5, 46838), (Start: 7 @46820 has 5 MA's), (12, 46706), (13, 46700), (15, 46637),

Gene: Lokk_75 Start: 45306, Stop: 45067, Start Num: 7
Candidate Starts for Lokk_75:
(4, 45363), (5, 45324), (Start: 7 @45306 has 5 MA's), (12, 45192), (13, 45186), (17, 45072),

Gene: ModicumRichard_159 Start: 83476, Stop: 83724, Start Num: 6
Candidate Starts for ModicumRichard_159:
(Start: 6 @83476 has 5 MA's), (9, 83539), (14, 83647),

Gene: Morgana_166 Start: 83937, Stop: 84185, Start Num: 6
Candidate Starts for Morgana_166:
(1, 83781), (2, 83790), (Start: 6 @83937 has 5 MA's), (8, 83997), (9, 84000), (14, 84108),

Gene: ObLaDi_160 Start: 83475, Stop: 83723, Start Num: 6
Candidate Starts for ObLaDi_160:

(Start: 6 @83475 has 5 MA's), (9, 83538), (14, 83646),

Gene: SwirlSquare_84 Start: 46045, Stop: 45806, Start Num: 7
Candidate Starts for SwirlSquare_84:
(3, 46159), (Start: 7 @46045 has 5 MA's), (10, 45985), (11, 45976), (13, 45925), (16, 45850),