Pham 87626

1: Bluephacebaby_68 + 4

2: Virgeve_67

3: LasagnaCat_69 + 1

4: Magic8_68
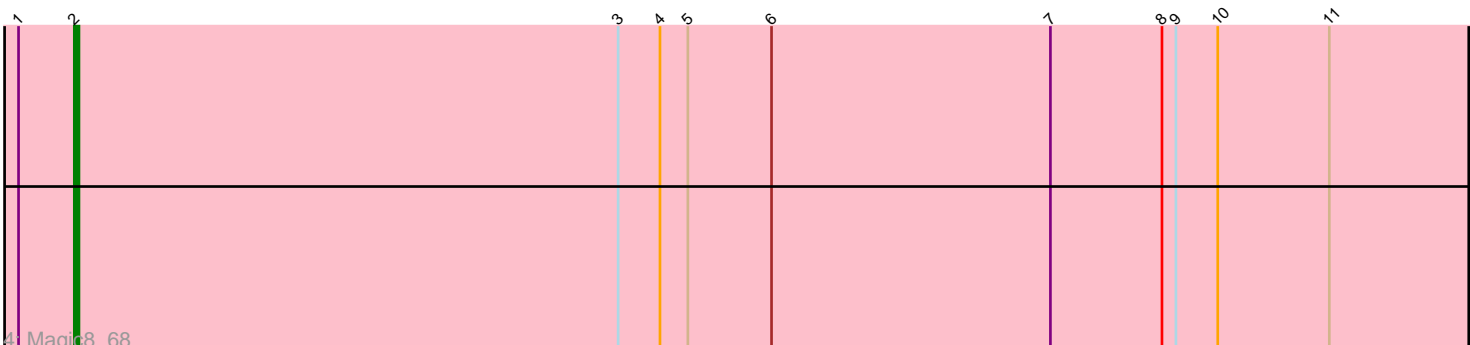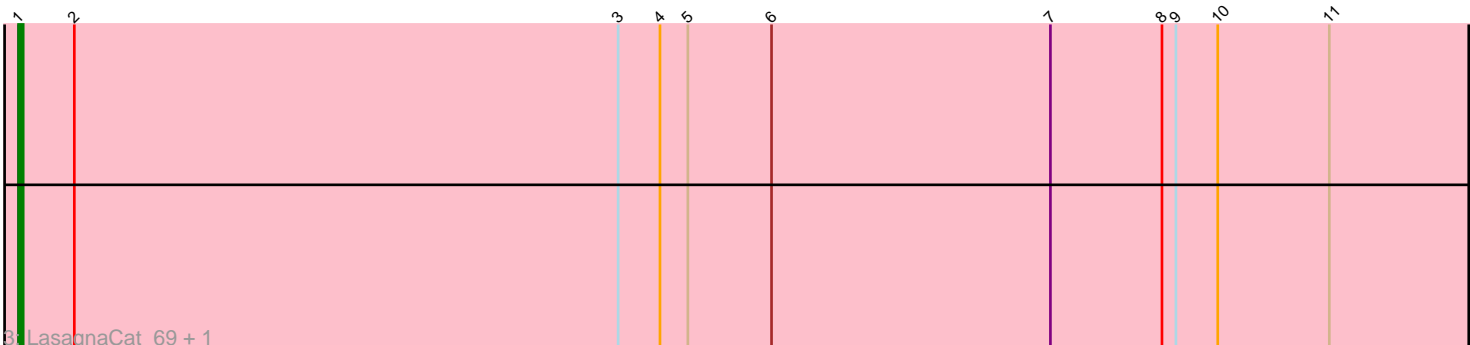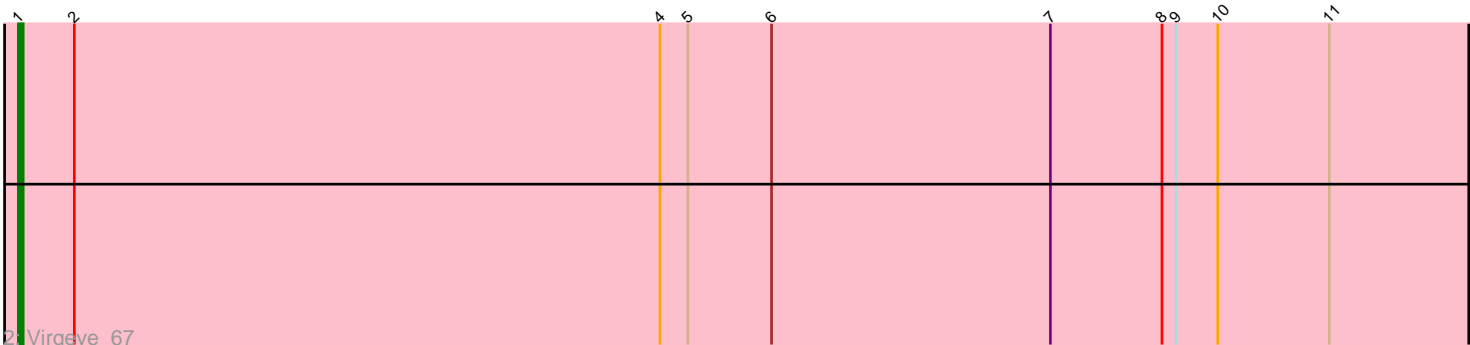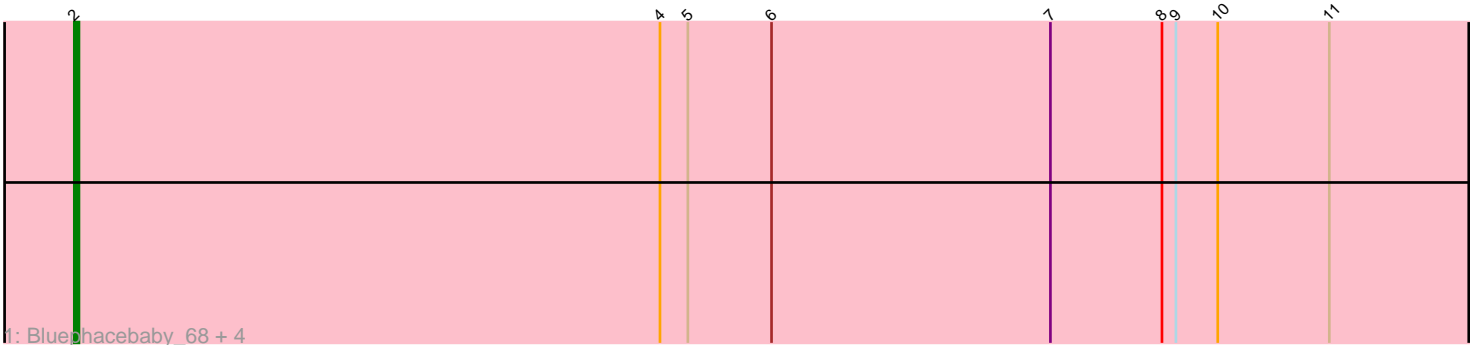
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 87626 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87626 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bluephacebaby_68, KlimbOn_68, Olive_67, Olak_68, Inchworm_70
• Track 2 : Virgeve_67
• Track 3 : LasagnaCat_69, Jiminy_69
• Track 4 : Magic8_68

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bluephacebaby_68, Inchworm_70, KlimbOn_68, Magic8_68, Olak_68, Olive_67,

Genes that have the "Most Annotated" start but do not call it:
• Jiminy_69, LasagnaCat_69, Virgeve_67,

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

Summary by start number:

Start 1:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Jiminy_69 (B1), LasagnaCat_69 (B1), Virgeve_67 (B1),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bluephacebaby_68 (B1), Inchworm_70 (B1), KlimbOn_68 (B1), Magic8_68 (B1), Olak_68 (B1), Olive_67 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:
•Start number 1 was manually annotated 2 times for cluster B1.
•Start number 2 was manually annotated 5 times for cluster B1.

Gene Information:
Gene: Bluephacebaby_68 Start: 57531, Stop: 57839, Start Num: 2
Candidate Starts for Bluephacebaby_68:
(Start: 2 @57531 has 5 MA's), (4, 57657), (5, 57663), (6, 57681), (7, 57741), (8, 57765), (9, 57768), (10, 57777), (11, 57801),

Gene: Inchworm_70 Start: 57363, Stop: 57671, Start Num: 2
Candidate Starts for Inchworm_70:
(Start: 2 @57363 has 5 MA's), (4, 57489), (5, 57495), (6, 57513), (7, 57573), (8, 57597), (9, 57600), (10, 57609), (11, 57633),

Gene: Jiminy_69 Start: 57065, Stop: 57385, Start Num: 1
Candidate Starts for Jiminy_69:
(Start: 1 @57065 has 2 MA's), (Start: 2 @57077 has 5 MA's), (3, 57194), (4, 57203), (5, 57209), (6, 57227), (7, 57287), (8, 57311), (9, 57314), (10, 57323), (11, 57347),

Gene: KlimbOn_68 Start: 57004, Stop: 57312, Start Num: 2
Candidate Starts for KlimbOn_68:
(Start: 2 @57004 has 5 MA's), (4, 57130), (5, 57136), (6, 57154), (7, 57214), (8, 57238), (9, 57241), (10, 57250), (11, 57274),

Gene: LasagnaCat_69 Start: 57363, Stop: 57683, Start Num: 1
Candidate Starts for LasagnaCat_69:
(Start: 1 @57363 has 2 MA's), (Start: 2 @57375 has 5 MA's), (3, 57492), (4, 57501), (5, 57507), (6, 57525), (7, 57585), (8, 57609), (9, 57612), (10, 57621), (11, 57645),

Gene: Magic8_68 Start: 57295, Stop: 57603, Start Num: 2
Candidate Starts for Magic8_68:
(Start: 1 @57283 has 2 MA's), (Start: 2 @57295 has 5 MA's), (3, 57412), (4, 57421), (5, 57427), (6, 57445), (7, 57505), (8, 57529), (9, 57532), (10, 57541), (11, 57565),

Gene: Olak_68 Start: 56983, Stop: 57291, Start Num: 2
Candidate Starts for Olak_68:
(Start: 2 @56983 has 5 MA's), (4, 57109), (5, 57115), (6, 57133), (7, 57193), (8, 57217), (9, 57220), (10, 57229), (11, 57253),

Gene: Olive_67 Start: 57196, Stop: 57504, Start Num: 2
Candidate Starts for Olive_67:
(Start: 2 @57196 has 5 MA's), (4, 57322), (5, 57328), (6, 57346), (7, 57406), (8, 57430), (9, 57433), (10, 57442), (11, 57466),

Gene: Virgeve_67 Start: 56933, Stop: 57253, Start Num: 1
Candidate Starts for Virgeve_67:
(Start: 1 @56933 has 2 MA's), (Start: 2 @56945 has 5 MA's), (4, 57071), (5, 57077), (6, 57095), (7, 57155), (8, 57179), (9, 57182), (10, 57191), (11, 57215),