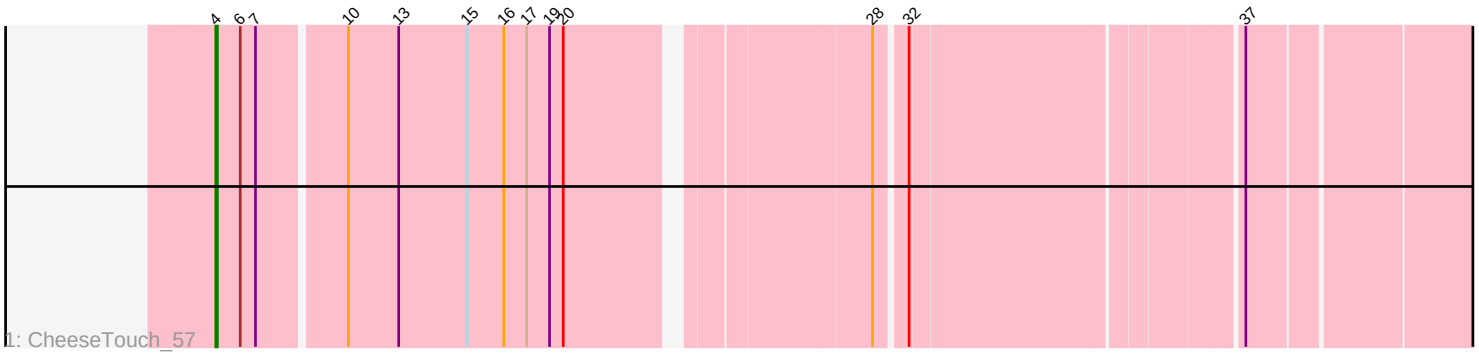
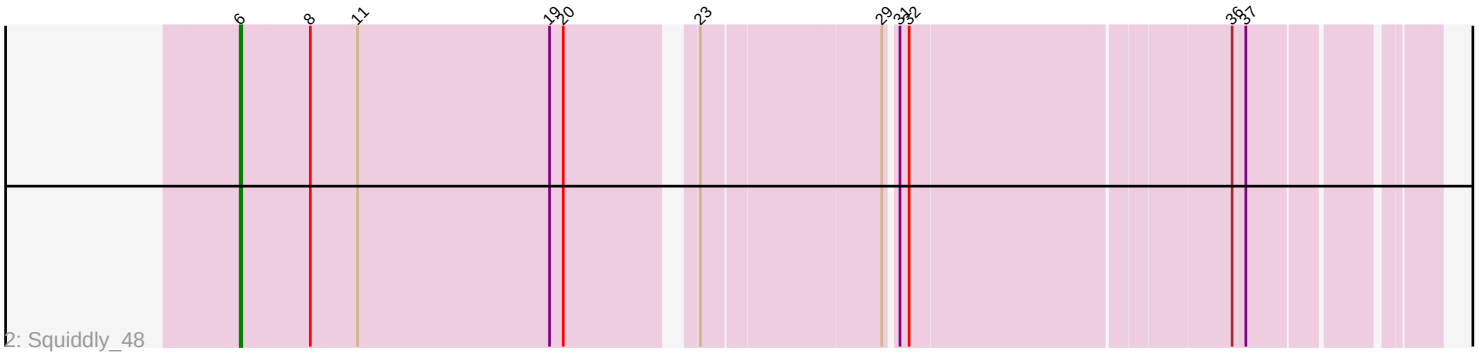
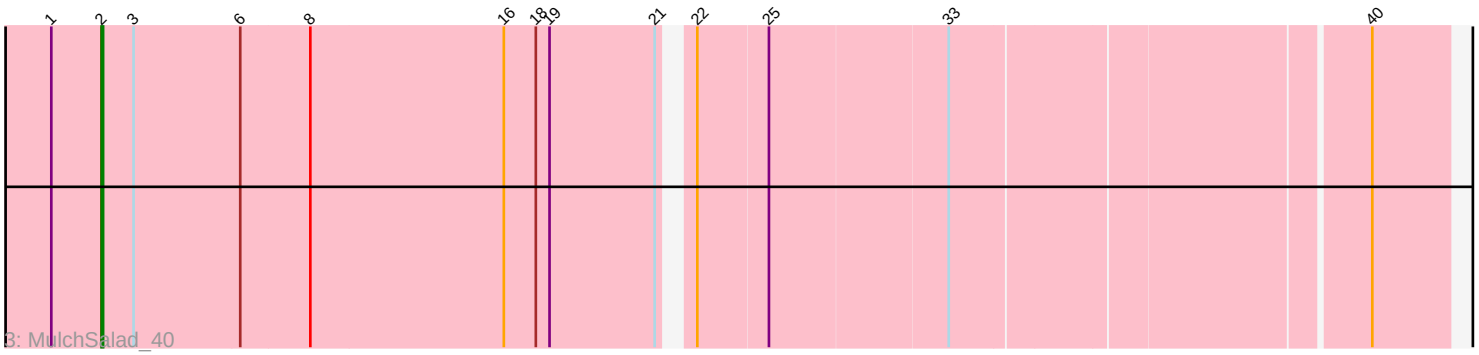
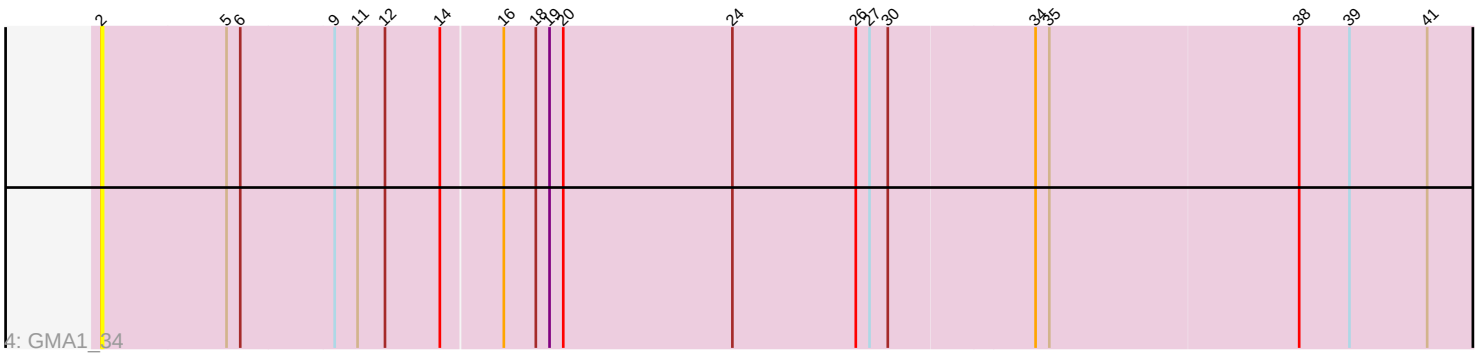
Pham 346624


4
6
7
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13
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16
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28
32
37
1: CheeseTouch_57


6
8
11
19
20
23
29
31
32
36
37
2: Squiddly_48


1
2
3
6
8
16
18
19
21
22
25
33
40
3: MulchSalad_40


2
5
6
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11
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14
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20
24
26
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34
35
38
39
41
4: GMA1_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 346624 Report

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

Pham number 346624 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CheeseTouch_57
• Track 2 : Squiddly_48
• Track 3 : MulchSalad_40
• Track 4 : GMA1_34

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 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GMA1_34, MulchSalad_40,

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

Genes that do not have the "Most Annotated" start:
• CheeseTouch_57, Squiddly_48,

Summary by start number:

Start 2:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA1_34 (singleton), MulchSalad_40 (F7),

Start 4:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CheeseTouch_57 (DN1),

Start 6:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Squiddly_48 (DN2),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, DN2, DN1, F7,

Info for manual annotations of cluster DN1:
•Start number 4 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 6 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster F7:
•Start number 2 was manually annotated 1 time for cluster F7.

Gene Information:

Gene: CheeseTouch_57 Start: 33416, Stop: 32664, Start Num: 4
Candidate Starts for CheeseTouch_57:
(Start: 4 @33416 has 1 MA's), (Start: 6 @33401 has 1 MA's), (7, 33392), (10, 33338), (13, 33305), (15, 33260), (16, 33236), (17, 33221), (19, 33206), (20, 33197), (28, 33020), (32, 33002), (37, 32804),

Gene: GMA1_34 Start: 26489, Stop: 25482, Start Num: 2
Candidate Starts for GMA1_34:
(Start: 2 @26489 has 1 MA's), (5, 26408), (Start: 6 @26399 has 1 MA's), (9, 26339), (11, 26324), (12, 26306), (14, 26270), (16, 26231), (18, 26210), (19, 26201), (20, 26192), (24, 26081), (26, 26000), (27, 25991), (30, 25979), (34, 25886), (35, 25877), (38, 25715), (39, 25682), (41, 25631),

Gene: MulchSalad_40 Start: 32103, Stop: 31264, Start Num: 2
Candidate Starts for MulchSalad_40:
(1, 32136), (Start: 2 @32103 has 1 MA's), (3, 32082), (Start: 6 @32013 has 1 MA's), (8, 31968), (16, 31842), (18, 31821), (19, 31812), (21, 31743), (22, 31731), (25, 31686), (33, 31572), (40, 31314),

Gene: Squiddly_48 Start: 35540, Stop: 34824, Start Num: 6
Candidate Starts for Squiddly_48:
(Start: 6 @35540 has 1 MA's), (8, 35495), (11, 35465), (19, 35339), (20, 35330), (23, 35258), (29, 35147), (31, 35141), (32, 35135), (36, 34940), (37, 34931),