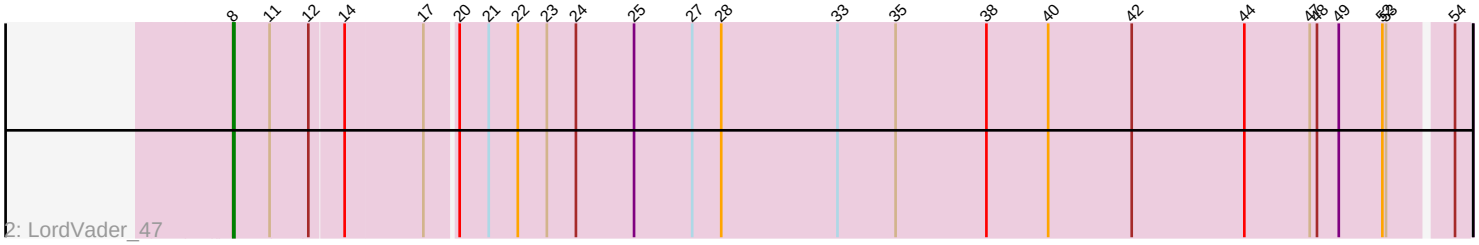
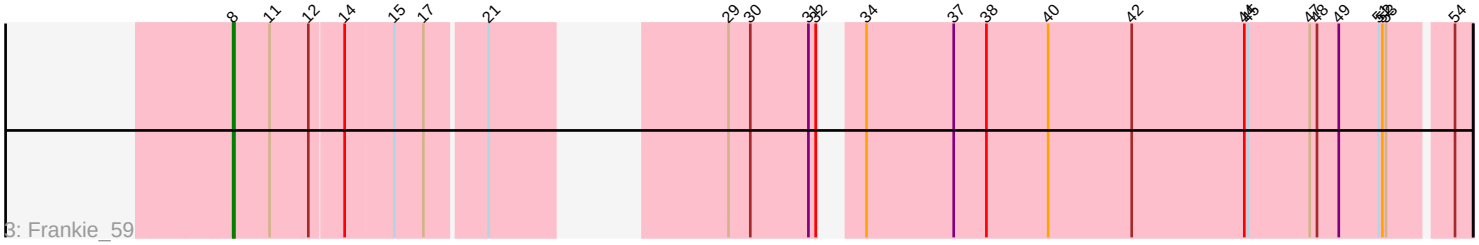
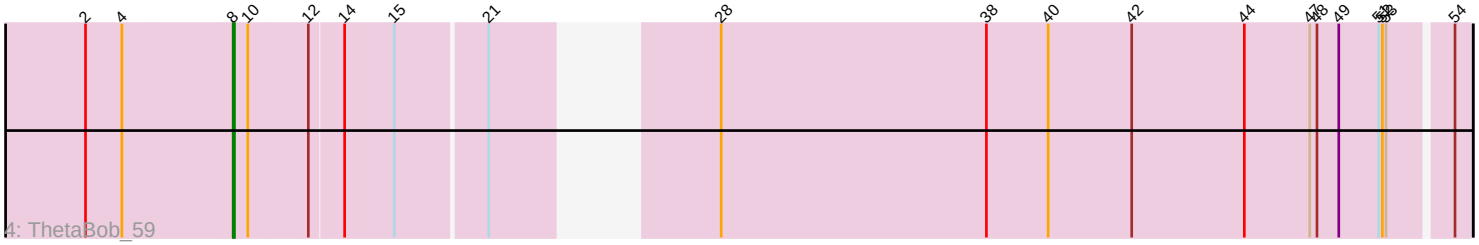
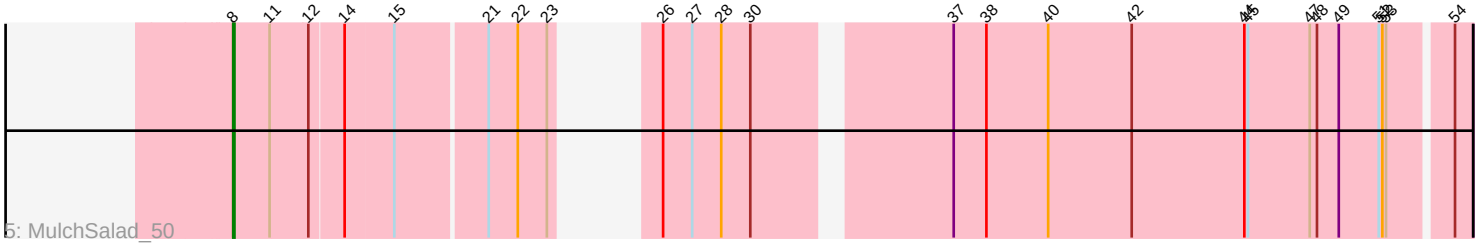
Pham 348386

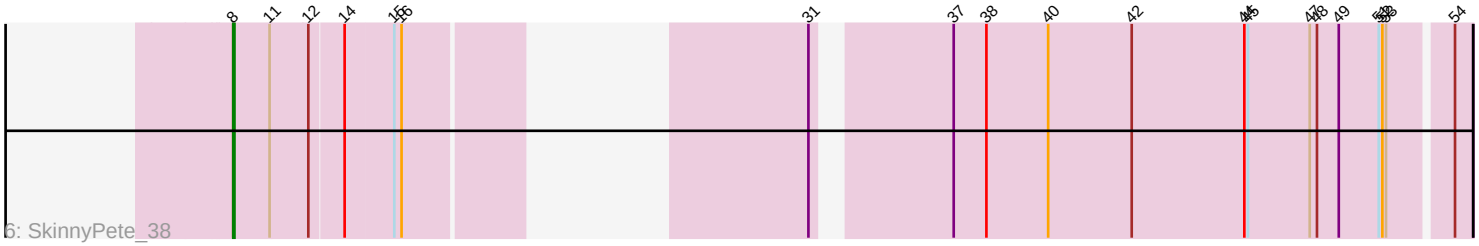

1
3
5
6
7
9
13
36
38
39
41
43
50
1: Spooky_76


8
11
12
14
17
20
21
22
23
24
25
27
28
33
35
38
40
42
44
49
54
2: LordVader_47


8
11
12
14
15
17
21
29
30
34
37
38
40
42
49
54
3: Frankie_59


2
4
8
10
12
14
15
21
28
38
40
42
44
49
54
4: ThetaBob_59


8
11
12
14
15
21
22
23
26
27
28
30
37
38
40
42
49
54
5: MulchSalad_50


8
11
12
14
31
37
38
40
42
49
54
6: SkinnyPete_38

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 348386 Report

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

Pham number 348386 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Spooky_76
• Track 2 : LordVader_47
• Track 3 : Frankie_59
• Track 4 : ThetaBob_59
• Track 5 : MulchSalad_50
• Track 6 : SkinnyPete_38

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Frankie_59, LordVader_47, MulchSalad_50, SkinnyPete_38, ThetaBob_59,

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

Genes that do not have the "Most Annotated" start:
• Spooky_76,

Summary by start number:

Start 8:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankie_59 (F1), LordVader_47 (F), MulchSalad_50 (F7), SkinnyPete_38 (N), ThetaBob_59 (F4),

Start 13:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Spooky_76 (DN2),

Summary by clusters:

There are 6 clusters represented in this pham: F1, F4, F7, F, N, DN2,

Info for manual annotations of cluster DN2:
•Start number 13 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster F:
•Start number 8 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 8 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F4:
•Start number 8 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F7:
•Start number 8 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster N:
•Start number 8 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Frankie_59 Start: 39568, Stop: 40473, Start Num: 8
Candidate Starts for Frankie_59:
(Start: 8 @39568 has 5 MA's), (11, 39598), (12, 39628), (14, 39655), (15, 39694), (17, 39718), (21, 39766), (29, 39892), (30, 39910), (31, 39958), (32, 39964), (34, 39982), (37, 40054), (38, 40081), (40, 40132), (42, 40201), (44, 40294), (45, 40297), (47, 40348), (48, 40354), (49, 40372), (51, 40405), (52, 40408), (53, 40411), (54, 40459),

Gene: LordVader_47 Start: 32833, Stop: 33831, Start Num: 8
Candidate Starts for LordVader_47:
(Start: 8 @32833 has 5 MA's), (11, 32863), (12, 32893), (14, 32920), (17, 32983), (20, 33007), (21, 33031), (22, 33055), (23, 33079), (24, 33103), (25, 33151), (27, 33199), (28, 33223), (33, 33319), (35, 33367), (38, 33442), (40, 33493), (42, 33562), (44, 33655), (47, 33709), (48, 33715), (49, 33733), (52, 33769), (53, 33772), (54, 33820),

Gene: MulchSalad_50 Start: 35537, Stop: 36442, Start Num: 8
Candidate Starts for MulchSalad_50:
(Start: 8 @35537 has 5 MA's), (11, 35567), (12, 35597), (14, 35624), (15, 35663), (21, 35735), (22, 35759), (23, 35783), (26, 35807), (27, 35831), (28, 35855), (30, 35879), (37, 36023), (38, 36050), (40, 36101), (42, 36170), (44, 36263), (45, 36266), (47, 36317), (48, 36323), (49, 36341), (51, 36374), (52, 36377), (53, 36380), (54, 36428),

Gene: SkinnyPete_38 Start: 28311, Stop: 29168, Start Num: 8
Candidate Starts for SkinnyPete_38:
(Start: 8 @28311 has 5 MA's), (11, 28341), (12, 28371), (14, 28398), (15, 28437), (16, 28443), (31, 28653), (37, 28749), (38, 28776), (40, 28827), (42, 28896), (44, 28989), (45, 28992), (47, 29043), (48,

29049), (49, 29067), (51, 29100), (52, 29103), (53, 29106), (54, 29154),

Gene: Spooky_76 Start: 44554, Stop: 45402, Start Num: 13
Candidate Starts for Spooky_76:
(1, 44299), (3, 44374), (5, 44407), (6, 44440), (7, 44455), (9, 44470), (Start: 13 @44554 has 1 MA's), (18, 44638), (19, 44644), (36, 44962), (38, 45016), (39, 45058), (41, 45094), (43, 45217), (46, 45265), (48, 45277), (50, 45301), (52, 45331), (53, 45334),

Gene: ThetaBob_59 Start: 38970, Stop: 39896, Start Num: 8
Candidate Starts for ThetaBob_59:
(2, 38850), (4, 38880), (Start: 8 @38970 has 5 MA's), (10, 38982), (12, 39030), (14, 39057), (15, 39096), (21, 39168), (28, 39288), (38, 39507), (40, 39558), (42, 39627), (44, 39720), (47, 39774), (48, 39780), (49, 39798), (51, 39831), (52, 39834), (53, 39837), (54, 39885),