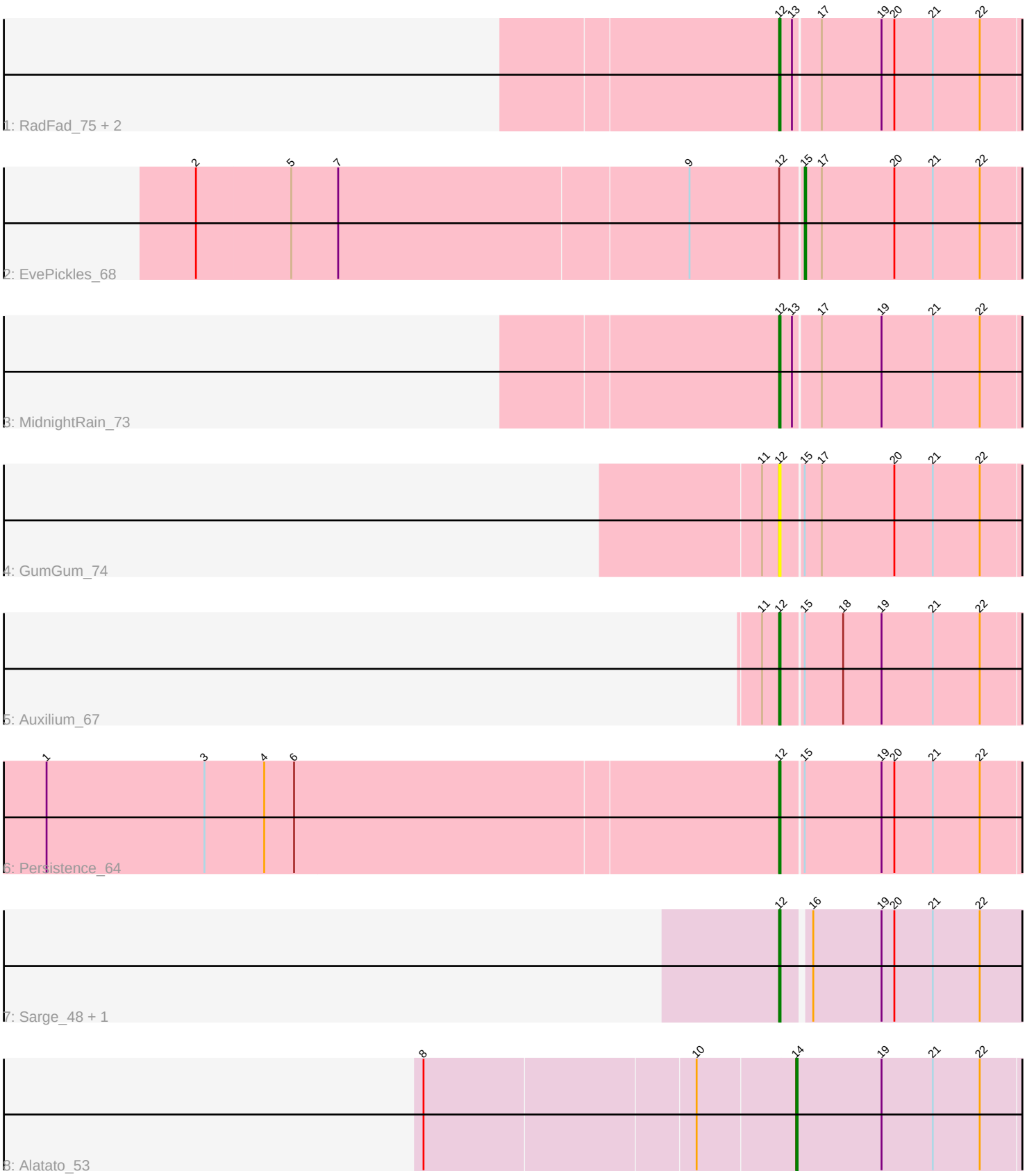
Pham 286075


12
13
17
19
20
21
22
1: RadFad_75 + 2
2
5
7
9
12
15
17
20
21
22
2: EvePickles_68
12
13
17
19
21
22
3: MidnightRain_73
11
12
15
17
20
21
22
4: GumGum_74
11
12
15
18
19
21
22
5: Auxilium_67
1
3
4
6
12
15
19
20
21
22
6: Persistence_64
12
16
19
20
21
22
7: Sarge_48 + 1
8
10
14
19
21
22
8: Alatato_53

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 286075 Report

This analysis was run 03/28/26 on database version 641.

Pham number 286075 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : RadFad_75, Vopal_72, Hillester_75
• Track 2 : EvePickles_68
• Track 3 : MidnightRain_73
• Track 4 : GumGum_74
• Track 5 : Auxilium_67
• Track 6 : Persistence_64
• Track 7 : Sarge_48, BrayBeast_54
• Track 8 : Alatato_53

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

The start number called the most often in the published annotations is 12, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auxilium_67, BrayBeast_54, GumGum_74, Hillester_75, MidnightRain_73, Persistence_64, RadFad_75, Sarge_48, Vopal_72,

Genes that have the "Most Annotated" start but do not call it:
• EvePickles_68,

Genes that do not have the "Most Annotated" start:
• Alatato_53,

Summary by start number:

Start 12:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Auxilium_67 (AY), BrayBeast_54 (FB), GumGum_74 (AY), Hillester_75 (AY), MidnightRain_73 (AY), Persistence_64 (AY), RadFad_75 (AY), Sarge_48 (FB), Vopal_72 (AY),

Start 14:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_53 (FB),

Start 15:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: EvePickles_68 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FB,

Info for manual annotations of cluster AY:
•Start number 12 was manually annotated 5 times for cluster AY.
•Start number 15 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FB:
•Start number 12 was manually annotated 2 times for cluster FB.
•Start number 14 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: Alatato_53 Start: 31219, Stop: 31377, Start Num: 14
Candidate Starts for Alatato_53:
(8, 30967), (10, 31153), (Start: 14 @31219 has 1 MA's), (19, 31279), (21, 31315), (22, 31348),

Gene: Auxilium_67 Start: 35324, Stop: 35491, Start Num: 12
Candidate Starts for Auxilium_67:
(11, 35312), (Start: 12 @35324 has 7 MA's), (Start: 15 @35339 has 1 MA's), (18, 35366), (19, 35393), (21, 35429), (22, 35462),

Gene: BrayBeast_54 Start: 31079, Stop: 31249, Start Num: 12
Candidate Starts for BrayBeast_54:
(Start: 12 @31079 has 7 MA's), (16, 31097), (19, 31145), (20, 31154), (21, 31181), (22, 31214),

Gene: EvePickles_68 Start: 38201, Stop: 38353, Start Num: 15
Candidate Starts for EvePickles_68:
(2, 37781), (5, 37847), (7, 37880), (9, 38123), (Start: 12 @38186 has 7 MA's), (Start: 15 @38201 has 1 MA's), (17, 38213), (20, 38264), (21, 38291), (22, 38324),

Gene: GumGum_74 Start: 38050, Stop: 38217, Start Num: 12
Candidate Starts for GumGum_74:
(11, 38038), (Start: 12 @38050 has 7 MA's), (Start: 15 @38065 has 1 MA's), (17, 38077), (20, 38128), (21, 38155), (22, 38188),

Gene: Hillester_75 Start: 38659, Stop: 38826, Start Num: 12
Candidate Starts for Hillester_75:

(Start: 12 @38659 has 7 MA's), (13, 38668), (17, 38686), (19, 38728), (20, 38737), (21, 38764), (22, 38797),

Gene: MidnightRain_73 Start: 38445, Stop: 38612, Start Num: 12
Candidate Starts for MidnightRain_73:
(Start: 12 @38445 has 7 MA's), (13, 38454), (17, 38472), (19, 38514), (21, 38550), (22, 38583),

Gene: Persistence_64 Start: 35999, Stop: 36166, Start Num: 12
Candidate Starts for Persistence_64:
(1, 35489), (3, 35600), (4, 35642), (6, 35663), (Start: 12 @35999 has 7 MA's), (Start: 15 @36014 has 1 MA's), (19, 36068), (20, 36077), (21, 36104), (22, 36137),

Gene: RadFad_75 Start: 38659, Stop: 38826, Start Num: 12
Candidate Starts for RadFad_75:
(Start: 12 @38659 has 7 MA's), (13, 38668), (17, 38686), (19, 38728), (20, 38737), (21, 38764), (22, 38797),

Gene: Sarge_48 Start: 28826, Stop: 28996, Start Num: 12
Candidate Starts for Sarge_48:
(Start: 12 @28826 has 7 MA's), (16, 28844), (19, 28892), (20, 28901), (21, 28928), (22, 28961),

Gene: Vopal_72 Start: 40127, Stop: 40294, Start Num: 12
Candidate Starts for Vopal_72:
(Start: 12 @40127 has 7 MA's), (13, 40136), (17, 40154), (19, 40196), (20, 40205), (21, 40232), (22, 40265),