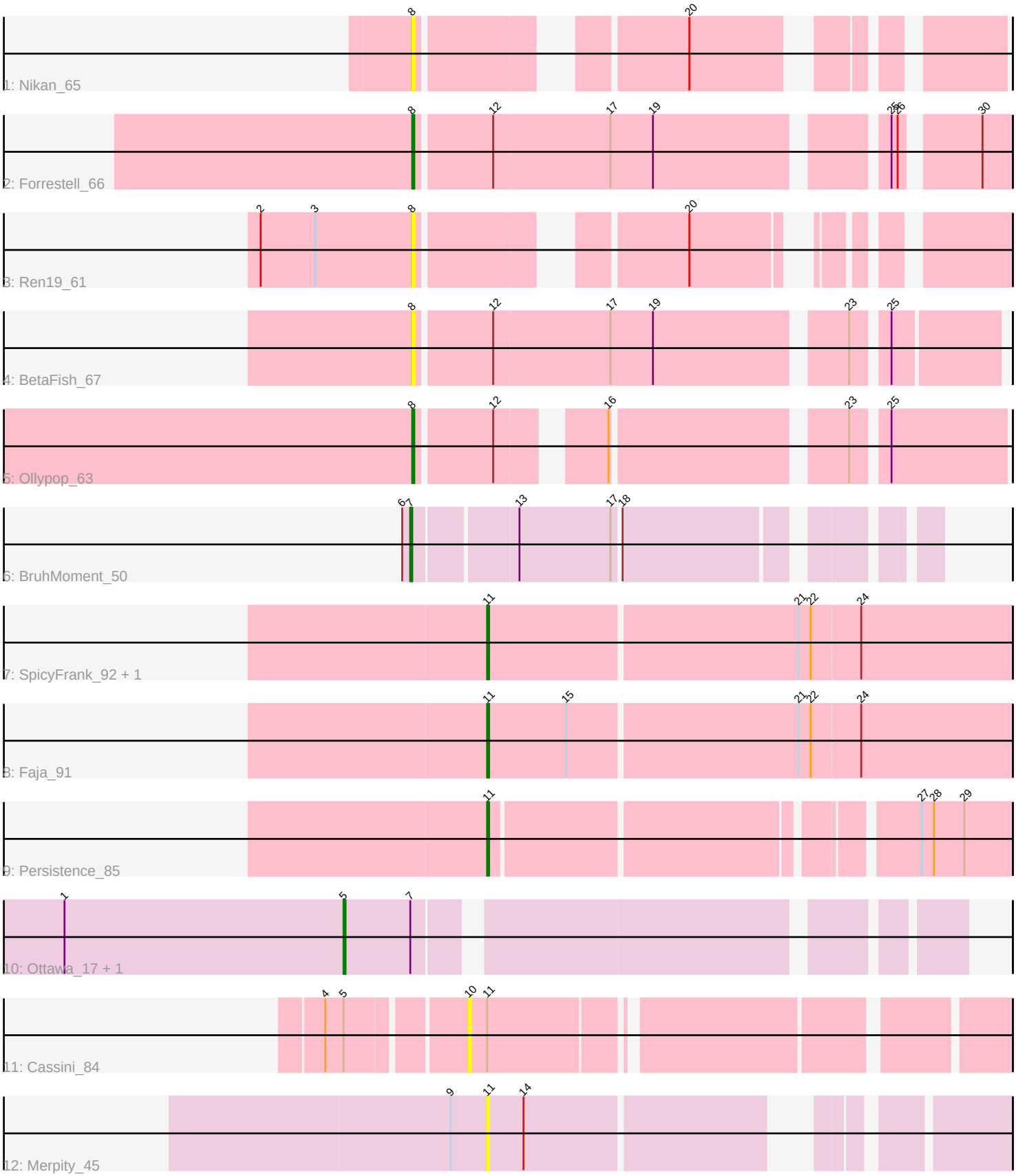
Pham 297086


8
20
1: Nikan_65
8
12
17
19
25
26
30
2: Forrestell_66
2
3
8
20
3: Ren19_61
8
12
17
19
23
25
4: BetaFish_67
8
12
16
23
25
5: Ollypop_63
6
7
13
17
18
6: BruhMoment_50
11
21
22
24
7: SpicyFrank_92 + 1
11
15
21
22
24
8: Faja_91
11
27
28
29
9: Persistence_85
1
5
7
10: Ottawa_17 + 1
4
5
10
11
11: Cassini_84
9
11
14
12: Merpity_45

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 297086 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297086 has 14 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Nikan_65
• Track 2 : Forrestell_66
• Track 3 : Ren19_61
• Track 4 : BetaFish_67
• Track 5 : Ollypop_63
• Track 6 : BruhMoment_50
• Track 7 : SpicyFrank_92, Globfish_90
• Track 8 : Faja_91
• Track 9 : Persistence_85
• Track 10 : Ottawa_17, Kharcho_17
• Track 11 : Cassini_84
• Track 12 : Merpity_45

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

The start number called the most often in the published annotations is 11, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Faja_91, Globfish_90, Merpity_45, Persistence_85, SpicyFrank_92,

Genes that have the "Most Annotated" start but do not call it:
• Cassini_84,

Genes that do not have the "Most Annotated" start:
• BetaFish_67, BruhMoment_50, Forrestell_66, Kharcho_17, Nikan_65, Ollypop_63, Ottawa_17, Ren19_61,

Summary by start number:

Start 5:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Kharcho_17 (FM), Ottawa_17 (FM),

Start 7:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BruhMoment_50 (AP3),

Start 8:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BetaFish_67 (AP2), Forrestell_66 (AP2), Nikan_65 (AP2), Ollypop_63 (AP2), Ren19_61 (AP2),

Start 10:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cassini_84 (FN),

Start 11:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Faja_91 (AY), Globfish_90 (AY), Merpity_45 (FQ), Persistence_85 (AY), SpicyFrank_92 (AY),

Summary by clusters:

There are 6 clusters represented in this pham: FQ, AP2, AP3, AY, FM, FN,

Info for manual annotations of cluster AP2:
•Start number 8 was manually annotated 2 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 7 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AY:
•Start number 11 was manually annotated 4 times for cluster AY.

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

Gene Information:

Gene: BetaFish_67 Start: 43321, Stop: 43055, Start Num: 8
Candidate Starts for BetaFish_67:
(Start: 8 @43321 has 2 MA's), (12, 43285), (17, 43228), (19, 43207), (23, 43120), (25, 43105),

Gene: BruhMoment_50 Start: 39910, Stop: 39683, Start Num: 7
Candidate Starts for BruhMoment_50:
(6, 39913), (Start: 7 @39910 has 1 MA's), (13, 39862), (17, 39817), (18, 39814),

Gene: Cassini_84 Start: 48452, Stop: 48691, Start Num: 10
Candidate Starts for Cassini_84:
(4, 48389), (Start: 5 @48398 has 2 MA's), (10, 48452), (Start: 11 @48461 has 4 MA's),

Gene: Faja_91 Start: 50148, Stop: 50402, Start Num: 11
Candidate Starts for Faja_91:
(Start: 11 @50148 has 4 MA's), (15, 50187), (21, 50298), (22, 50304), (24, 50328),

Gene: Forrestell_66 Start: 41892, Stop: 41626, Start Num: 8
Candidate Starts for Forrestell_66:
(Start: 8 @41892 has 2 MA's), (12, 41856), (17, 41799), (19, 41778), (25, 41676), (26, 41673), (30, 41640),

Gene: Globfish_90 Start: 48891, Stop: 49145, Start Num: 11
Candidate Starts for Globfish_90:
(Start: 11 @48891 has 4 MA's), (21, 49041), (22, 49047), (24, 49071),

Gene: Kharcho_17 Start: 5031, Stop: 5303, Start Num: 5
Candidate Starts for Kharcho_17:
(1, 4893), (Start: 5 @5031 has 2 MA's), (Start: 7 @5064 has 1 MA's),

Gene: Merpity_45 Start: 28400, Stop: 28615, Start Num: 11
Candidate Starts for Merpity_45:
(9, 28382), (Start: 11 @28400 has 4 MA's), (14, 28418),

Gene: Nikan_65 Start: 42436, Stop: 42206, Start Num: 8
Candidate Starts for Nikan_65:
(Start: 8 @42436 has 2 MA's), (20, 42328),

Gene: Ollypop_63 Start: 43106, Stop: 42852, Start Num: 8
Candidate Starts for Ollypop_63:
(Start: 8 @43106 has 2 MA's), (12, 43070), (16, 43028), (23, 42923), (25, 42908),

Gene: Ottawa_17 Start: 5031, Stop: 5303, Start Num: 5
Candidate Starts for Ottawa_17:
(1, 4893), (Start: 5 @5031 has 2 MA's), (Start: 7 @5064 has 1 MA's),

Gene: Persistence_85 Start: 47551, Stop: 47787, Start Num: 11
Candidate Starts for Persistence_85:
(Start: 11 @47551 has 4 MA's), (27, 47743), (28, 47749), (29, 47764),

Gene: Ren19_61 Start: 42043, Stop: 41816, Start Num: 8
Candidate Starts for Ren19_61:
(2, 42118), (3, 42091), (Start: 8 @42043 has 2 MA's), (20, 41935),

Gene: SpicyFrank_92 Start: 49662, Stop: 49916, Start Num: 11
Candidate Starts for SpicyFrank_92:
(Start: 11 @49662 has 4 MA's), (21, 49812), (22, 49818), (24, 49842),