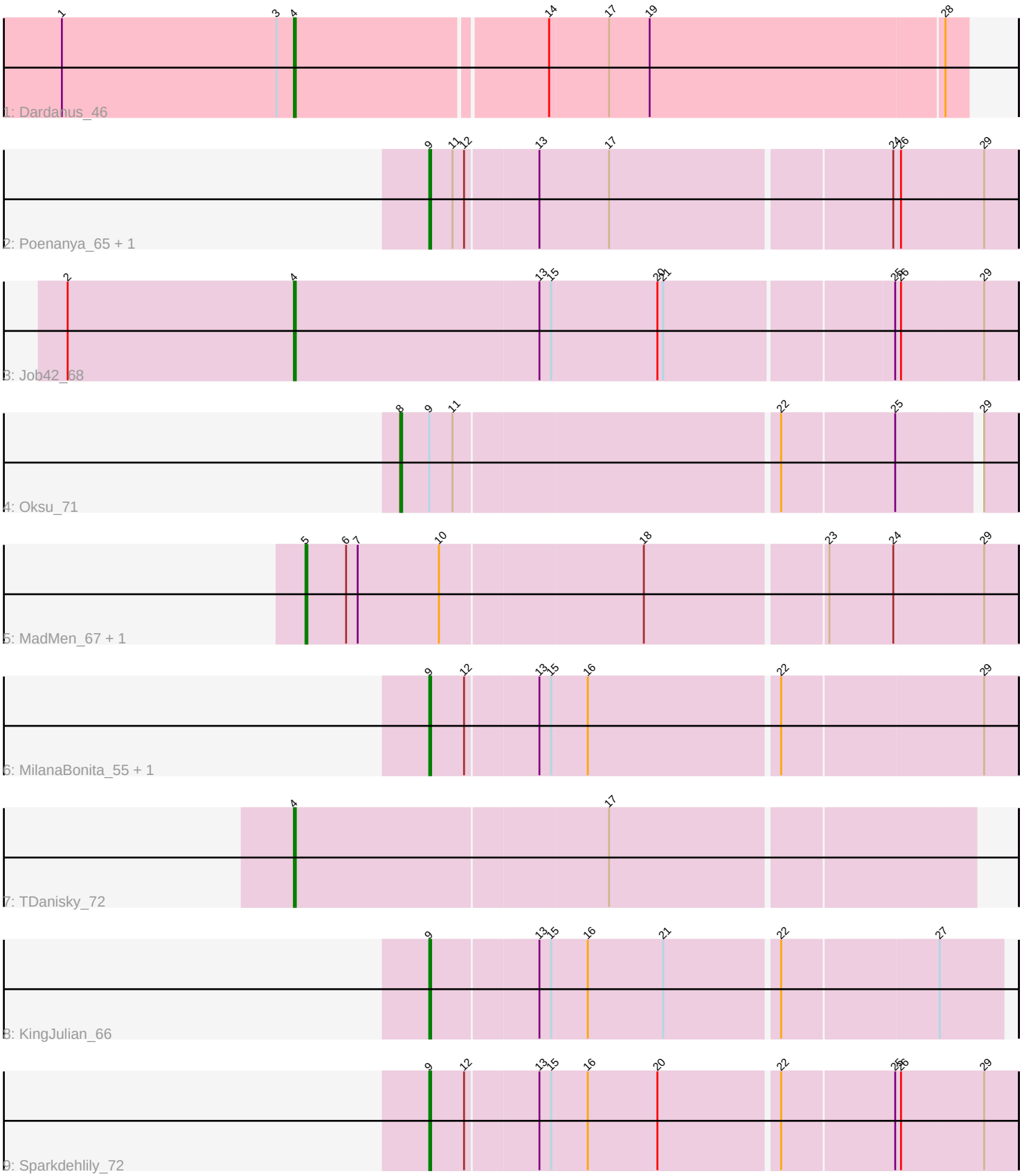
Pham 348219


1
3
4
14
17
19
28
1: Dardanus_46
9
11
12
13
17
24
26
29
2: Poenanya_65 + 1
2
4
13
15
20
21
25
26
29
3: Job42_68
8
9
11
22
25
29
4: Oksu_71
5
6
7
10
18
23
24
29
5: MadMen_67 + 1
9
12
13
15
16
22
29
6: MilanaBonita_55 + 1
4
17
7: TDanisky_72
9
13
15
16
21
22
27
8: KingJulian_66
9
12
13
15
16
20
22
25
26
29
9: Sparkdehlily_72

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 348219 Report

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

Pham number 348219 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dardanus_46
• Track 2 : Poenanya_65, Doomphist_65
• Track 3 : Job42_68
• Track 4 : Oksu_71
• Track 5 : MadMen_67, Leozinho_66
• Track 6 : MilanaBonita_55, Akhila_56
• Track 7 : TDanisky_72
• Track 8 : KingJulian_66
• Track 9 : Sparkdehlily_72

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_56, Doomphist_65, KingJulian_66, MilanaBonita_55, Poenanya_65, Sparkdehlily_72,

Genes that have the "Most Annotated" start but do not call it:
• Oksu_71,

Genes that do not have the "Most Annotated" start:
• Dardanus_46, Job42_68, Leozinho_66, MadMen_67, TDanisky_72,

Summary by start number:

Start 4:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_46 (CU3), Job42_68 (F1), TDanisky_72 (F1),

Start 5:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Leozinho_66 (F1), MadMen_67 (F1),

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Oksu_71 (F1),

Start 9:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Akhila_56 (F1), Doomphist_65 (F1), KingJulian_66 (F1), MilanaBonita_55 (F1), Poenanya_65 (F1), Sparkdehlily_72 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, CU3,

Info for manual annotations of cluster CU3:
•Start number 4 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster F1:
•Start number 4 was manually annotated 2 times for cluster F1.
•Start number 5 was manually annotated 2 times for cluster F1.
•Start number 8 was manually annotated 1 time for cluster F1.
•Start number 9 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: Akhila_56 Start: 38018, Stop: 38311, Start Num: 9
Candidate Starts for Akhila_56:
(Start: 9 @38018 has 6 MA's), (12, 38036), (13, 38072), (15, 38078), (16, 38096), (22, 38192), (29, 38294),

Gene: Dardanus_46 Start: 31283, Stop: 31621, Start Num: 4
Candidate Starts for Dardanus_46:
(1, 31163), (3, 31274), (Start: 4 @31283 has 3 MA's), (14, 31409), (17, 31439), (19, 31460), (28, 31610),

Gene: Doomphist_65 Start: 43033, Stop: 43326, Start Num: 9
Candidate Starts for Doomphist_65:
(Start: 9 @43033 has 6 MA's), (11, 43045), (12, 43051), (13, 43087), (17, 43123), (24, 43264), (26, 43267), (29, 43309),

Gene: Job42_68 Start: 44715, Stop: 45080, Start Num: 4
Candidate Starts for Job42_68:

(2, 44598), (Start: 4 @44715 has 3 MA's), (13, 44841), (15, 44847), (20, 44901), (21, 44904), (25, 45018), (26, 45021), (29, 45063),

Gene: KingJulian_66 Start: 41550, Stop: 41834, Start Num: 9
Candidate Starts for KingJulian_66:
(Start: 9 @41550 has 6 MA's), (13, 41604), (15, 41610), (16, 41628), (21, 41667), (22, 41724), (27, 41802),

Gene: Leozinho_66 Start: 42196, Stop: 42552, Start Num: 5
Candidate Starts for Leozinho_66:
(Start: 5 @42196 has 2 MA's), (6, 42217), (7, 42223), (10, 42265), (18, 42367), (23, 42457), (24, 42490), (29, 42535),

Gene: MadMen_67 Start: 43664, Stop: 44020, Start Num: 5
Candidate Starts for MadMen_67:
(Start: 5 @43664 has 2 MA's), (6, 43685), (7, 43691), (10, 43733), (18, 43835), (23, 43925), (24, 43958), (29, 44003),

Gene: MilanaBonita_55 Start: 38018, Stop: 38311, Start Num: 9
Candidate Starts for MilanaBonita_55:
(Start: 9 @38018 has 6 MA's), (12, 38036), (13, 38072), (15, 38078), (16, 38096), (22, 38192), (29, 38294),

Gene: Oksu_71 Start: 45300, Stop: 45602, Start Num: 8
Candidate Starts for Oksu_71:
(Start: 8 @45300 has 1 MA's), (Start: 9 @45315 has 6 MA's), (11, 45327), (22, 45489), (25, 45546), (29, 45585),

Gene: Poenanya_65 Start: 43033, Stop: 43326, Start Num: 9
Candidate Starts for Poenanya_65:
(Start: 9 @43033 has 6 MA's), (11, 43045), (12, 43051), (13, 43087), (17, 43123), (24, 43264), (26, 43267), (29, 43309),

Gene: Sparkdehlily_72 Start: 43335, Stop: 43628, Start Num: 9
Candidate Starts for Sparkdehlily_72:
(Start: 9 @43335 has 6 MA's), (12, 43353), (13, 43389), (15, 43395), (16, 43413), (20, 43449), (22, 43509), (25, 43566), (26, 43569), (29, 43611),

Gene: TDanisky_72 Start: 43265, Stop: 43606, Start Num: 4
Candidate Starts for TDanisky_72:
(Start: 4 @43265 has 3 MA's), (17, 43424),