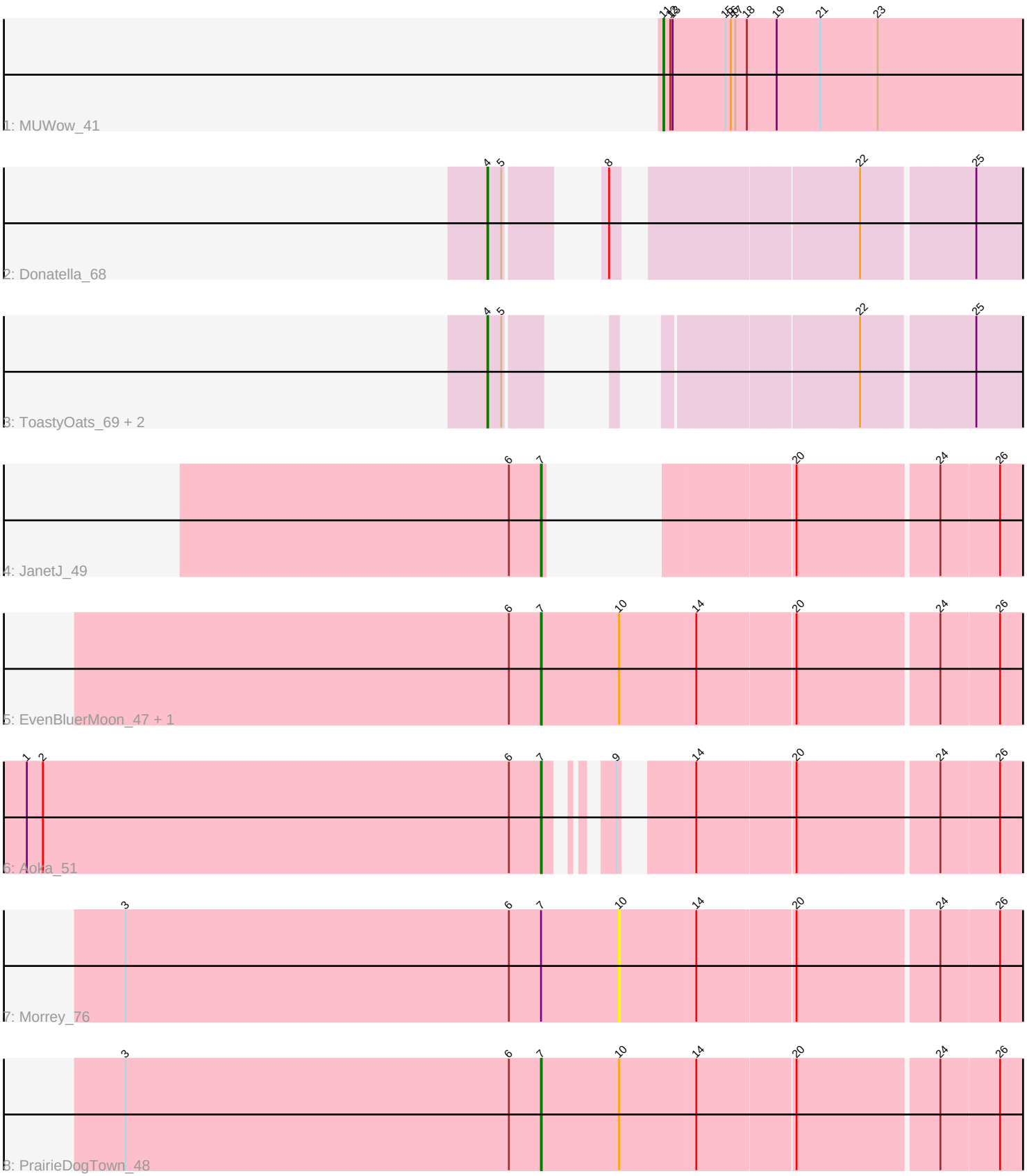
Pham 348221


1: MUWow_41
2: Donatella_68
3: ToastyOats_69 + 2
4: JanetJ_49
5: EvenBluerMoon_47 + 1
6: Aoka_51
7: Morrey_76
8: PrairieDogTown_48

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 348221 Report

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

Pham number 348221 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MUWow_41
• Track 2 : Donatella_68
• Track 3 : ToastyOats_69, Lenoxika_65, AllBusiness_64
• Track 4 : JanetJ_49
• Track 5 : EvenBluerMoon_47, Hereford_48
• Track 6 : Aoka_51
• Track 7 : Morrey_76
• Track 8 : PrairieDogTown_48

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aoka_51, EvenBluerMoon_47, Hereford_48, JanetJ_49, PrairieDogTown_48,

Genes that have the "Most Annotated" start but do not call it:
• Morrey_76,

Genes that do not have the "Most Annotated" start:
• AllBusiness_64, Donatella_68, Lenoxika_65, MUWow_41, ToastyOats_69,

Summary by start number:

Start 4:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AllBusiness_64 (FF), Donatella_68 (FF), Lenoxika_65 (FF), ToastyOats_69 (FF),

Start 7:
• Found in 6 of 11 (54.5%) of genes in pham

• Manual Annotations of this start: 5 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Aoka_51 (FO), EvenBluerMoon_47 (FO), Hereford_48 (FO), JanetJ_49 (FO), PrairieDogTown_48 (FO),

Start 10:
• Found in 4 of 11 (36.4%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Morrey_76 (FO),

Start 11:
• 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: MUWow_41 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FF, FO,

Info for manual annotations of cluster AY:
•Start number 11 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FF:
•Start number 4 was manually annotated 3 times for cluster FF.

Info for manual annotations of cluster FO:
•Start number 7 was manually annotated 5 times for cluster FO.

Gene Information:

Gene: AllBusiness_64 Start: 42408, Stop: 42935, Start Num: 4
Candidate Starts for AllBusiness_64:
(Start: 4 @42408 has 3 MA's), (5, 42426), (22, 42717), (25, 42855),

Gene: Aoka_51 Start: 34831, Stop: 35385, Start Num: 7
Candidate Starts for Aoka_51:
(1, 34159), (2, 34180), (6, 34789), (Start: 7 @34831 has 5 MA's), (9, 34879), (14, 34945), (20, 35068), (24, 35242), (26, 35317),

Gene: Donatella_68 Start: 41819, Stop: 42394, Start Num: 4
Candidate Starts for Donatella_68:
(Start: 4 @41819 has 3 MA's), (5, 41837), (8, 41906), (22, 42176), (25, 42314),

Gene: EvenBluerMoon_47 Start: 34191, Stop: 34832, Start Num: 7
Candidate Starts for EvenBluerMoon_47:
(6, 34149), (Start: 7 @34191 has 5 MA's), (10, 34293), (14, 34392), (20, 34515), (24, 34689), (26, 34764),

Gene: Hereford_48 Start: 33935, Stop: 34576, Start Num: 7

Candidate Starts for Hereford_48:
(6, 33893), (Start: 7 @33935 has 5 MA's), (10, 34037), (14, 34136), (20, 34259), (24, 34433), (26, 34508),

Gene: JanetJ_49 Start: 35354, Stop: 35842, Start Num: 7
Candidate Starts for JanetJ_49:
(6, 35312), (Start: 7 @35354 has 5 MA's), (20, 35525), (24, 35699), (26, 35774),

Gene: Lenoxika_65 Start: 41111, Stop: 41638, Start Num: 4
Candidate Starts for Lenoxika_65:
(Start: 4 @41111 has 3 MA's), (5, 41129), (22, 41420), (25, 41558),

Gene: MUWow_41 Start: 28531, Stop: 28031, Start Num: 11
Candidate Starts for MUWow_41:
(Start: 11 @28531 has 1 MA's), (12, 28522), (13, 28519), (15, 28450), (16, 28444), (17, 28438), (18, 28423), (19, 28384), (21, 28327), (23, 28252),

Gene: Morrey_76 Start: 34295, Stop: 34834, Start Num: 10
Candidate Starts for Morrey_76:
(3, 33650), (6, 34151), (Start: 7 @34193 has 5 MA's), (10, 34295), (14, 34394), (20, 34517), (24, 34691), (26, 34766),

Gene: PrairieDogTown_48 Start: 34193, Stop: 34834, Start Num: 7
Candidate Starts for PrairieDogTown_48:
(3, 33650), (6, 34151), (Start: 7 @34193 has 5 MA's), (10, 34295), (14, 34394), (20, 34517), (24, 34691), (26, 34766),

Gene: ToastyOats_69 Start: 41481, Stop: 42008, Start Num: 4
Candidate Starts for ToastyOats_69:
(Start: 4 @41481 has 3 MA's), (5, 41499), (22, 41790), (25, 41928),