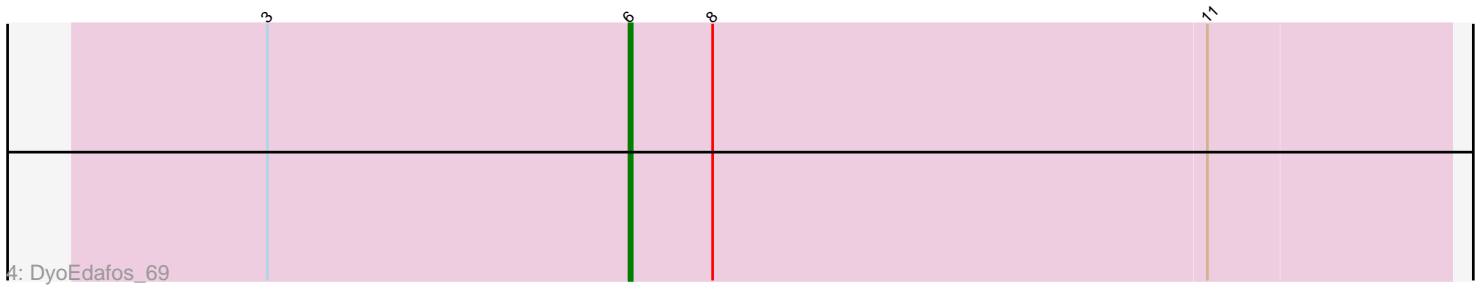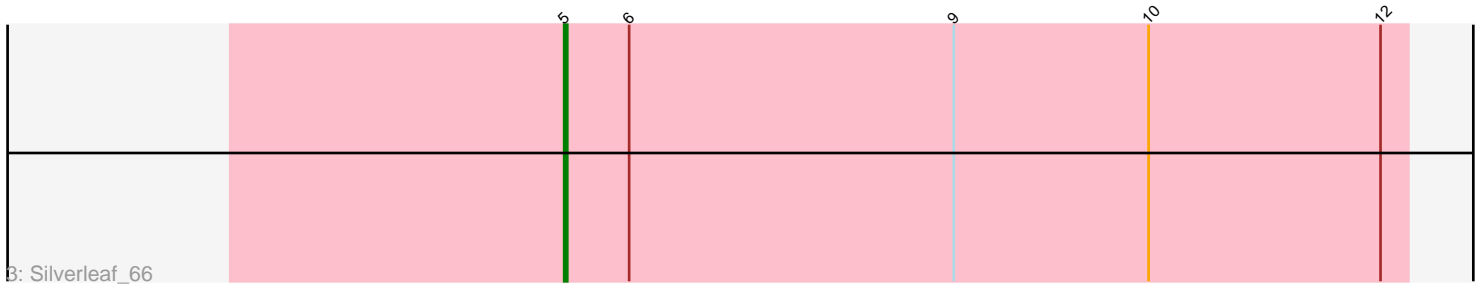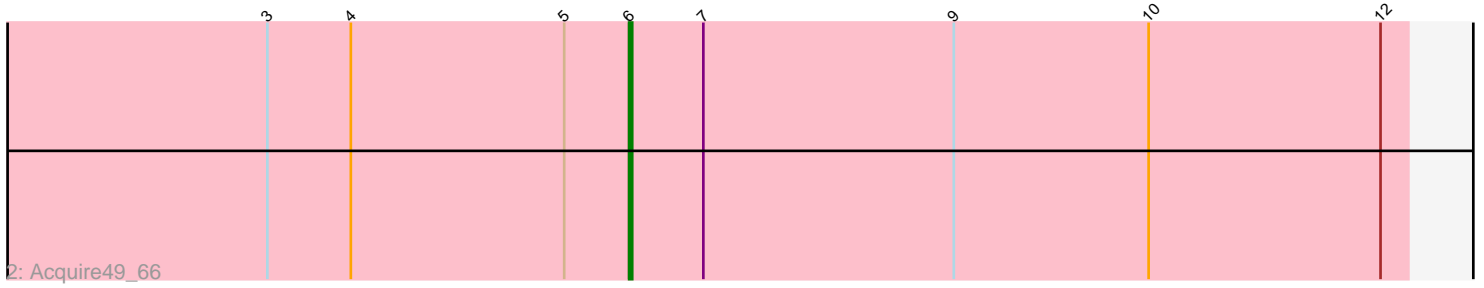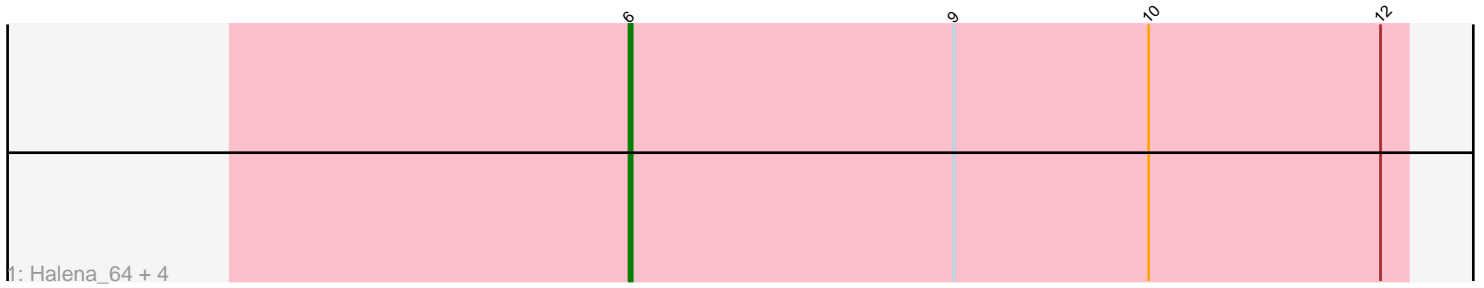# Pham 170544

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 170544 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170544 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Halena_64, Zaria_67, DirkDirk_63, LeBron_65, Calm_67
• Track 2 : Acquire49_66
• Track 3 : Silverleaf_66
• Track 4 : DyoEdafos_69
• Track 5 : Chaser_63

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_66, Calm_67, Chaser_63, DirkDirk_63, DyoEdafos_69, Halena_64, LeBron_65, Zaria_67,

Genes that have the "Most Annotated" start but do not call it:
• Silverleaf_66,

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

Summary by start number:

Start 5:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Silverleaf_66 (L1),

Start 6:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 88.9% of time when present

• Phage (with cluster) where this start called: Acquire49_66 (L1), Calm_67 (L1), Chaser_63 (L4), DirkDirk_63 (L1), DyoEdafos_69 (L4), Halena_64 (L1), LeBron_65 (L1), Zaria_67 (L1),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L1,

Info for manual annotations of cluster L1:
•Start number 5 was manually annotated 1 time for cluster L1.
•Start number 6 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L4:
•Start number 6 was manually annotated 2 times for cluster L4.

Gene Information:
Gene: Acquire49_66 Start: 45197, Stop: 45448, Start Num: 6
Candidate Starts for Acquire49_66:
(3, 45080), (4, 45107), (Start: 5 @45176 has 1 MA's), (Start: 6 @45197 has 8 MA's), (7, 45221), (9, 45302), (10, 45365), (12, 45440),

Gene: Calm_67 Start: 44988, Stop: 45239, Start Num: 6
Candidate Starts for Calm_67:
(Start: 6 @44988 has 8 MA's), (9, 45093), (10, 45156), (12, 45231),

Gene: Chaser_63 Start: 45157, Stop: 45438, Start Num: 6
Candidate Starts for Chaser_63:
(1, 44980), (2, 45013), (3, 45040), (Start: 6 @45157 has 8 MA's), (8, 45184), (11, 45343),

Gene: DirkDirk_63 Start: 44398, Stop: 44649, Start Num: 6
Candidate Starts for DirkDirk_63:
(Start: 6 @44398 has 8 MA's), (9, 44503), (10, 44566), (12, 44641),

Gene: DyoEdafos_69 Start: 45646, Stop: 45909, Start Num: 6
Candidate Starts for DyoEdafos_69:
(3, 45529), (Start: 6 @45646 has 8 MA's), (8, 45673), (11, 45832),

Gene: Halena_64 Start: 44435, Stop: 44686, Start Num: 6
Candidate Starts for Halena_64:
(Start: 6 @44435 has 8 MA's), (9, 44540), (10, 44603), (12, 44678),

Gene: LeBron_65 Start: 44439, Stop: 44690, Start Num: 6
Candidate Starts for LeBron_65:
(Start: 6 @44439 has 8 MA's), (9, 44544), (10, 44607), (12, 44682),

Gene: Silverleaf_66 Start: 45037, Stop: 45309, Start Num: 5
Candidate Starts for Silverleaf_66:
(Start: 5 @45037 has 1 MA's), (Start: 6 @45058 has 8 MA's), (9, 45163), (10, 45226), (12, 45301),

Gene: Zaria_67 Start: 44988, Stop: 45239, Start Num: 6

Candidate Starts for Zaria_67:
(Start: 6 @44988 has 8 MA's), (9, 45093), (10, 45156), (12, 45231),