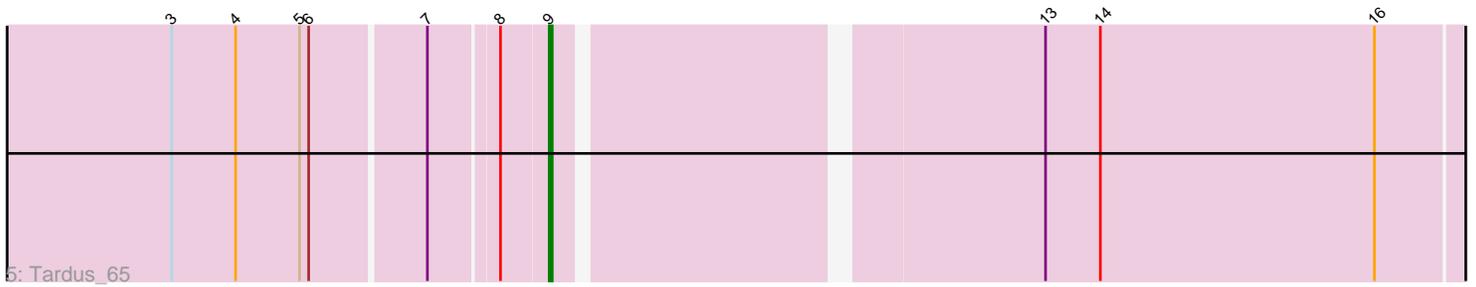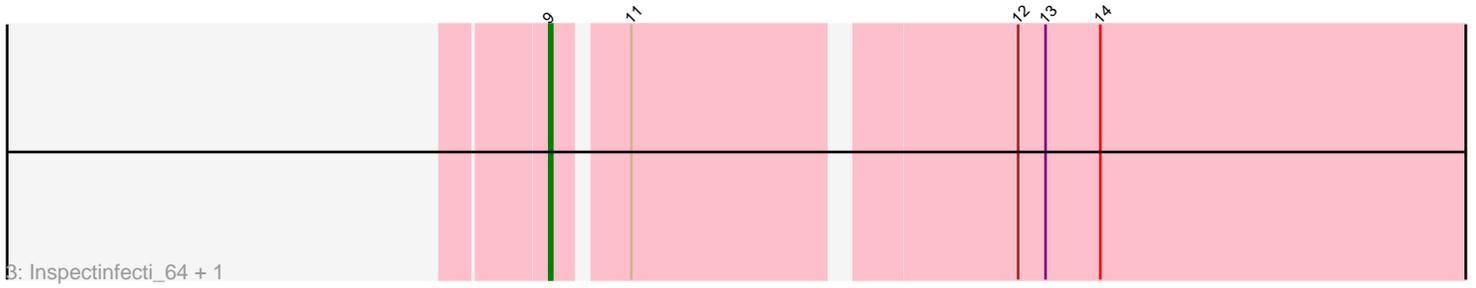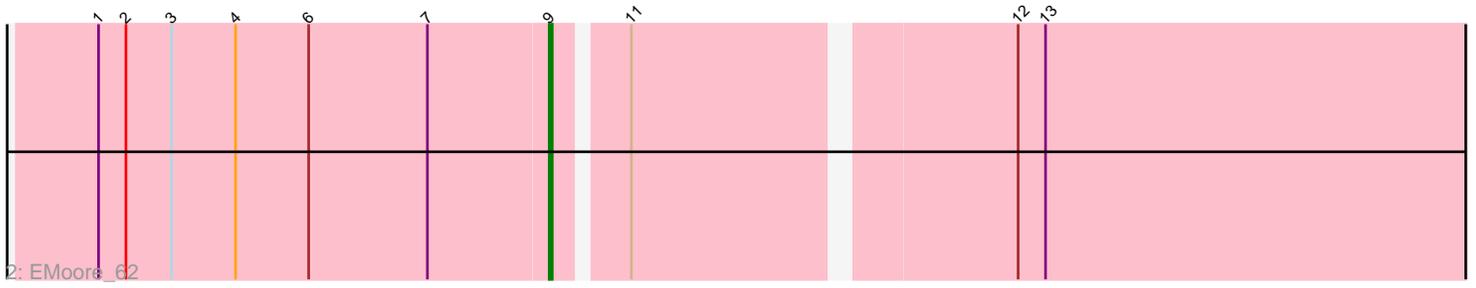# Pham 291772

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 291772 Report

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

Pham number 291772 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phinally_63, Phauci_55, Leonard_63, Hans_65
• Track 2 : EMoore_62
• Track 3 : Inspectinfecti_64, Ali17_60
• Track 4 : MelBins_65
• Track 5 : Tardus_65

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ali17_60, EMoore_62, Hans_65, Inspectinfecti_64, Leonard_63, Phauci_55, Phinally_63, Tardus_65,

Genes that have the "Most Annotated" start but do not call it:
• MelBins_65,

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

Summary by start number:

Start 9:
• 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: Ali17_60 (DE2), EMoore_62 (DE2), Hans_65 (DE2), Inspectinfecti_64 (DE2), Leonard_63 (DE2), Phauci_55 (DE2), Phinally_63 (DE2), Tardus_65 (DE4),

Start 10:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 20.0% of time when present
• Phage (with cluster) where this start called: MelBins_65 (DE2),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DE4,

Info for manual annotations of cluster DE2:
•Start number 9 was manually annotated 7 times for cluster DE2.
•Start number 10 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DE4:
•Start number 9 was manually annotated 1 time for cluster DE4.

Gene Information:
Gene: Ali17_60 Start: 48387, Stop: 48704, Start Num: 9
Candidate Starts for Ali17_60:
(Start: 9 @48387 has 8 MA's), (11, 48408), (12, 48525), (13, 48534), (14, 48552),

Gene: EMoore_62 Start: 49720, Stop: 50019, Start Num: 9
Candidate Starts for EMoore_62:
(1, 49573), (2, 49582), (3, 49597), (4, 49618), (6, 49642), (7, 49681), (Start: 9 @49720 has 8 MA's),
(11, 49741), (12, 49858), (13, 49867),

Gene: Hans_65 Start: 49127, Stop: 49390, Start Num: 9
Candidate Starts for Hans_65:
(Start: 9 @49127 has 8 MA's), (Start: 10 @49133 has 1 MA's), (11, 49154), (13, 49289), (15, 49316),

Gene: Inspectinfecti_64 Start: 49236, Stop: 49553, Start Num: 9
Candidate Starts for Inspectinfecti_64:
(Start: 9 @49236 has 8 MA's), (11, 49257), (12, 49374), (13, 49383), (14, 49401),

Gene: Leonard_63 Start: 49314, Stop: 49616, Start Num: 9
Candidate Starts for Leonard_63:
(Start: 9 @49314 has 8 MA's), (Start: 10 @49320 has 1 MA's), (11, 49341), (13, 49476), (15, 49503),

Gene: MelBins_65 Start: 49556, Stop: 49855, Start Num: 10
Candidate Starts for MelBins_65:
(Start: 9 @49550 has 8 MA's), (Start: 10 @49556 has 1 MA's), (11, 49577), (13, 49712), (15, 49739),

Gene: Phauci_55 Start: 46166, Stop: 46468, Start Num: 9
Candidate Starts for Phauci_55:
(Start: 9 @46166 has 8 MA's), (Start: 10 @46172 has 1 MA's), (11, 46193), (13, 46328), (15, 46355),

Gene: Phinally_63 Start: 49311, Stop: 49613, Start Num: 9
Candidate Starts for Phinally_63:
(Start: 9 @49311 has 8 MA's), (Start: 10 @49317 has 1 MA's), (11, 49338), (13, 49473), (15, 49500),

Gene: Tardus_65 Start: 49700, Stop: 50008, Start Num: 9
Candidate Starts for Tardus_65:

(3, 49583), (4, 49604), (5, 49625), (6, 49628), (7, 49664), (8, 49685), (Start: 9 @49700 has 8 MA's), (13, 49847), (14, 49865), (16, 49955),