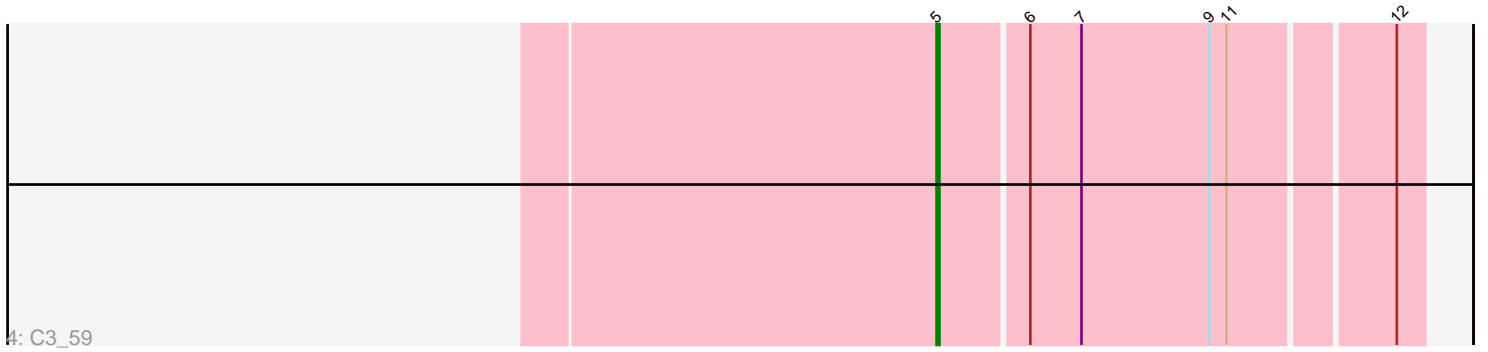# Pham 162500
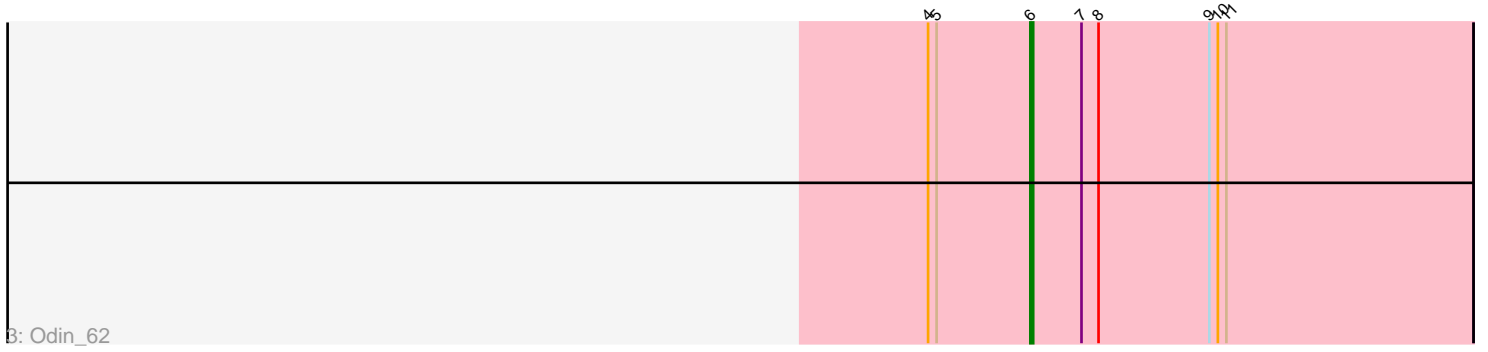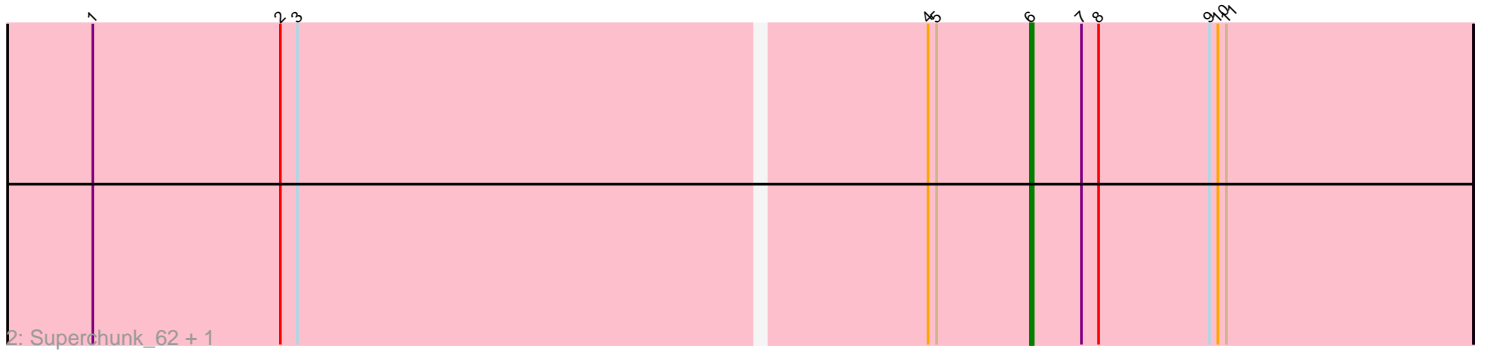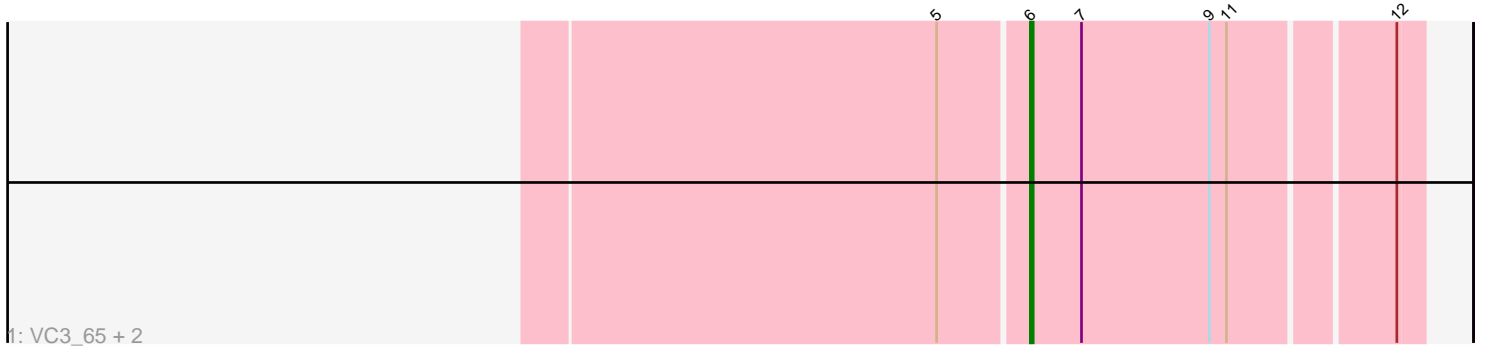

1: VC3_65 + 2

2: Superchunk_62 + 1

3: Odin_62

4: C3_59

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 162500 Report

This analysis was run 04/28/24 on database version 559.

Pham number 162500 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : VC3_65, ANI8_65, AN9_65
• Track 2 : Superchunk_62, Caraxes_63
• Track 3 : Odin_62
• Track 4 : C3_59

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AN9_65, ANI8_65, Caraxes_63, Odin_62, Superchunk_62, VC3_65,

Genes that have the "Most Annotated" start but do not call it:
• C3_59,

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

Summary by start number:

Start 5:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 14.3% of time when present
• Phage (with cluster) where this start called: C3_59 (A2),

Start 6:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 85.7% of time when present
• Phage (with cluster) where this start called: AN9_65 (A2), ANI8_65 (A2), Caraxes_63 (A2), Odin_62 (A2), Superchunk_62 (A2), VC3_65 (A2),

Summary by clusters:

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:
•Start number 5 was manually annotated 1 time for cluster A2.
•Start number 6 was manually annotated 5 times for cluster A2.

Gene Information:
Gene: AN9_65 Start: 40106, Stop: 39975, Start Num: 6
Candidate Starts for AN9_65:
(Start: 5 @40136 has 1 MA's), (Start: 6 @40106 has 5 MA's), (7, 40088), (9, 40043), (11, 40037), (12, 39983),

Gene: ANI8_65 Start: 40106, Stop: 39975, Start Num: 6
Candidate Starts for ANI8_65:
(Start: 5 @40136 has 1 MA's), (Start: 6 @40106 has 5 MA's), (7, 40088), (9, 40043), (11, 40037), (12, 39983),

Gene: C3_59 Start: 40136, Stop: 39975, Start Num: 5
Candidate Starts for C3_59:
(Start: 5 @40136 has 1 MA's), (Start: 6 @40106 has 5 MA's), (7, 40088), (9, 40043), (11, 40037), (12, 39983),

Gene: Caraxes_63 Start: 38676, Stop: 38521, Start Num: 6
Candidate Starts for Caraxes_63:
(1, 39000), (2, 38934), (3, 38928), (4, 38712), (Start: 5 @38709 has 1 MA's), (Start: 6 @38676 has 5 MA's), (7, 38658), (8, 38652), (9, 38613), (10, 38610), (11, 38607),

Gene: Odin_62 Start: 39060, Stop: 38905, Start Num: 6
Candidate Starts for Odin_62:
(4, 39096), (Start: 5 @39093 has 1 MA's), (Start: 6 @39060 has 5 MA's), (7, 39042), (8, 39036), (9, 38997), (10, 38994), (11, 38991),

Gene: Superchunk_62 Start: 38676, Stop: 38521, Start Num: 6
Candidate Starts for Superchunk_62:
(1, 39000), (2, 38934), (3, 38928), (4, 38712), (Start: 5 @38709 has 1 MA's), (Start: 6 @38676 has 5 MA's), (7, 38658), (8, 38652), (9, 38613), (10, 38610), (11, 38607),

Gene: VC3_65 Start: 40106, Stop: 39975, Start Num: 6
Candidate Starts for VC3_65:
(Start: 5 @40136 has 1 MA's), (Start: 6 @40106 has 5 MA's), (7, 40088), (9, 40043), (11, 40037), (12, 39983),