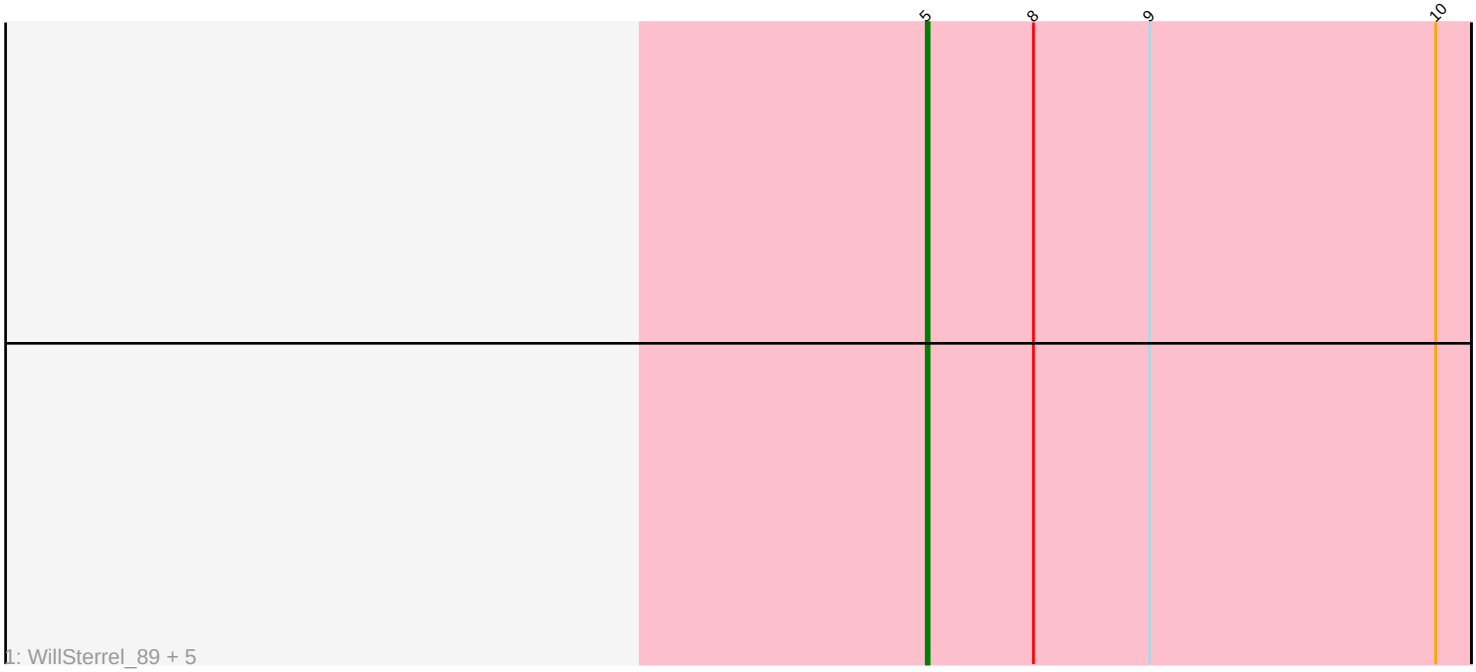
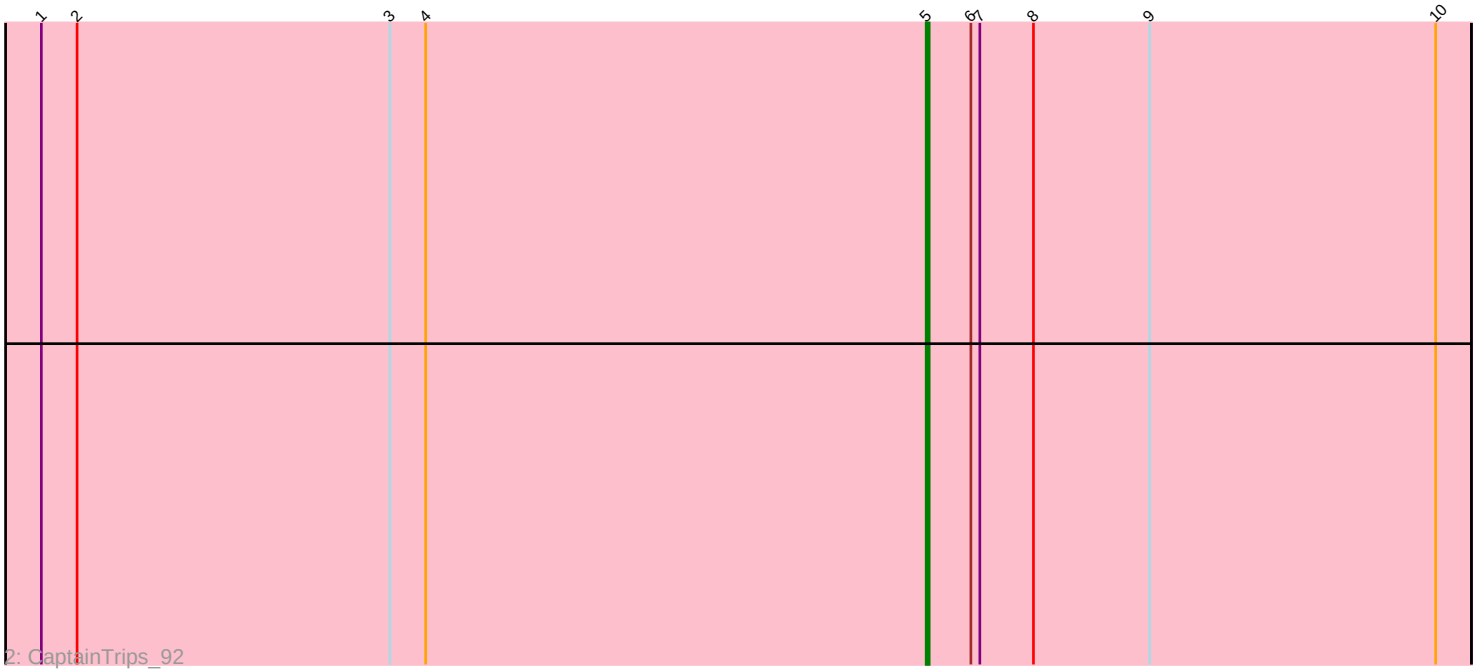
Pham 225186





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 225186 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225186 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : WillSterrel_89, PopTart_82, Cornucopia_90, SassyB_82, IrishSherpFalk_90, ThetaBob_91
• Track 2 : CaptainTrips_92

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

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

Genes that call this "Most Annotated" start:
• CaptainTrips_92, Cornucopia_90, IrishSherpFalk_90, PopTart_82, SassyB_82, ThetaBob_91, WillSterrel_89,

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

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: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CaptainTrips_92 (F1), Cornucopia_90 (F1), IrishSherpFalk_90 (F1), PopTart_82 (F1), SassyB_82 (F1), ThetaBob_91 (F4), WillSterrel_89 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F4,

Info for manual annotations of cluster F1:

•Start number 5 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F4:
•Start number 5 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: CaptainTrips_92 Start: 51288, Stop: 51470, Start Num: 5
Candidate Starts for CaptainTrips_92:
(1, 50991), (2, 51003), (3, 51108), (4, 51120), (Start: 5 @51288 has 7 MA's), (6, 51303), (7, 51306), (8, 51324), (9, 51363), (10, 51459),

Gene: Cornucopia_90 Start: 49525, Stop: 49707, Start Num: 5
Candidate Starts for Cornucopia_90:
(Start: 5 @49525 has 7 MA's), (8, 49561), (9, 49600), (10, 49696),

Gene: IrishSherpFalk_90 Start: 51867, Stop: 52049, Start Num: 5
Candidate Starts for IrishSherpFalk_90:
(Start: 5 @51867 has 7 MA's), (8, 51903), (9, 51942), (10, 52038),

Gene: PopTart_82 Start: 48189, Stop: 48371, Start Num: 5
Candidate Starts for PopTart_82:
(Start: 5 @48189 has 7 MA's), (8, 48225), (9, 48264), (10, 48360),

Gene: SassyB_82 Start: 48189, Stop: 48371, Start Num: 5
Candidate Starts for SassyB_82:
(Start: 5 @48189 has 7 MA's), (8, 48225), (9, 48264), (10, 48360),

Gene: ThetaBob_91 Start: 50297, Stop: 50479, Start Num: 5
Candidate Starts for ThetaBob_91:
(Start: 5 @50297 has 7 MA's), (8, 50333), (9, 50372), (10, 50468),

Gene: WillSterrel_89 Start: 51900, Stop: 52082, Start Num: 5
Candidate Starts for WillSterrel_89:
(Start: 5 @51900 has 7 MA's), (8, 51936), (9, 51975), (10, 52071),