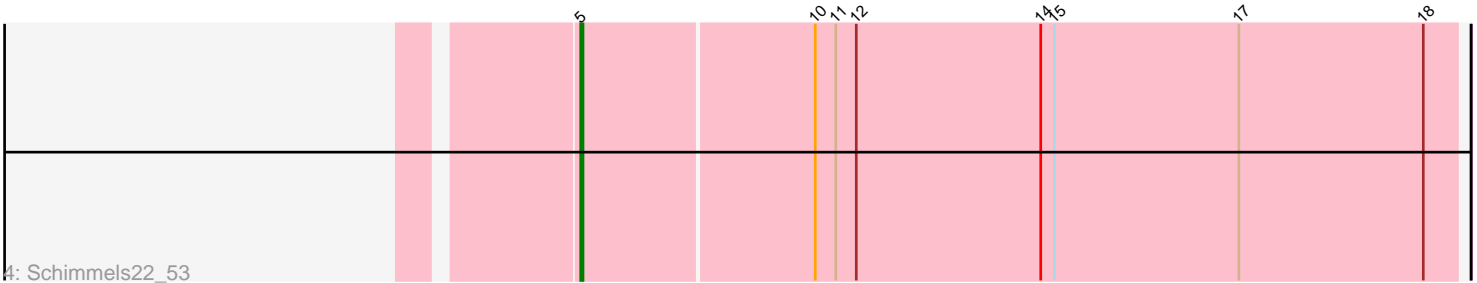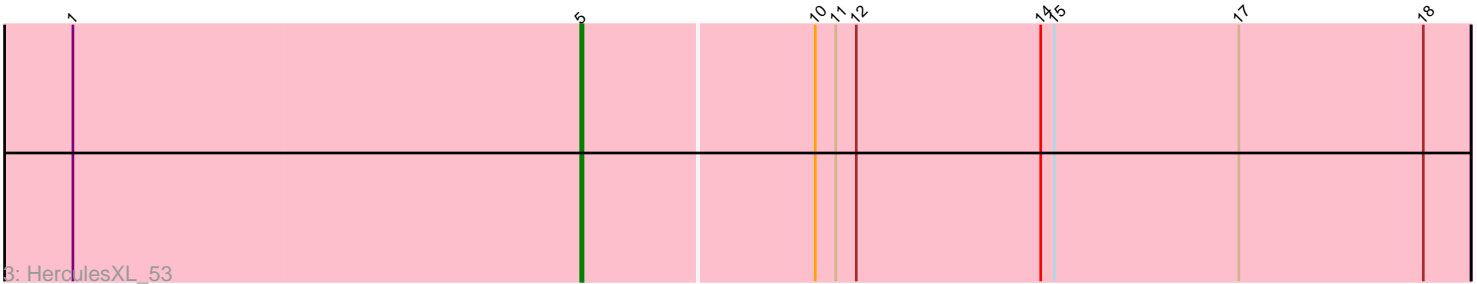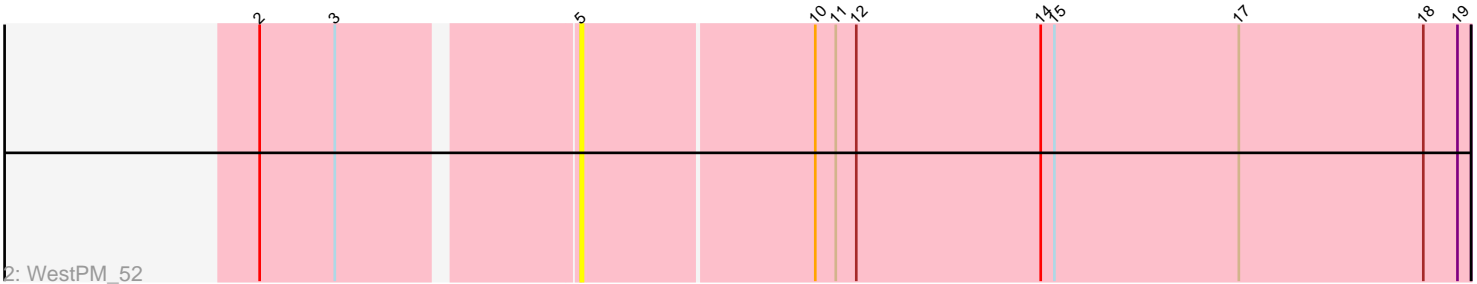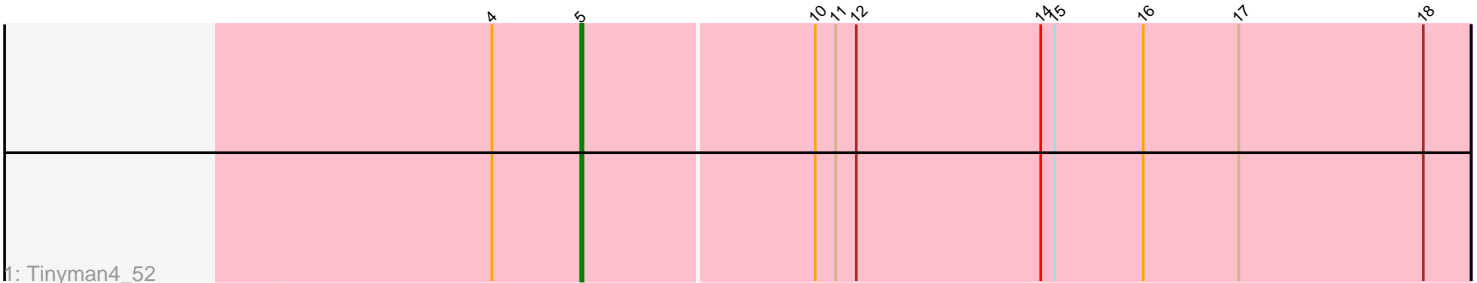# Pham 12843

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 12843 Report

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

Pham number 12843 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tinyman4_52
• Track 2 : WestPM_52
• Track 3 : HerculesXL_53
• Track 4 : Schimmels22_53
• Track 5 : GaeCeo_58

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HerculesXL_53, Schimmels22_53, Tinyman4_52, WestPM_52,

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

Genes that do not have the "Most Annotated" start:
• GaeCeo_58,

Summary by start number:

Start 5:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HerculesXL_53 (EA11), Schimmels22_53 (EA11), Tinyman4_52 (EA11), WestPM_52 (EA11),

Start 7:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GaeCeo_58 (EA9),

Summary by clusters:

There are 2 clusters represented in this pham: EA9, EA11,

Info for manual annotations of cluster EA11:
•Start number 5 was manually annotated 3 times for cluster EA11.

Info for manual annotations of cluster EA9:
•Start number 7 was manually annotated 1 time for cluster EA9.

Gene Information:

Gene: GaeCeo_58 Start: 39248, Stop: 38907, Start Num: 7
Candidate Starts for GaeCeo_58:
(6, 39269), (Start: 7 @39248 has 1 MA's), (8, 39236), (9, 39215), (11, 39170), (13, 39128), (14, 39080), (15, 39074),

Gene: HerculesXL_53 Start: 36406, Stop: 36020, Start Num: 5
Candidate Starts for HerculesXL_53:
(1, 36628), (Start: 5 @36406 has 3 MA's), (10, 36307), (11, 36298), (12, 36289), (14, 36208), (15, 36202), (17, 36121), (18, 36040),

Gene: Schimmels22_53 Start: 36893, Stop: 36513, Start Num: 5
Candidate Starts for Schimmels22_53:
(Start: 5 @36893 has 3 MA's), (10, 36794), (11, 36785), (12, 36776), (14, 36695), (15, 36689), (17, 36608), (18, 36527),

Gene: Tinyman4_52 Start: 36402, Stop: 36016, Start Num: 5
Candidate Starts for Tinyman4_52:
(4, 36441), (Start: 5 @36402 has 3 MA's), (10, 36303), (11, 36294), (12, 36285), (14, 36204), (15, 36198), (16, 36159), (17, 36117), (18, 36036),

Gene: WestPM_52 Start: 36620, Stop: 36234, Start Num: 5
Candidate Starts for WestPM_52:
(2, 36749), (3, 36716), (Start: 5 @36620 has 3 MA's), (10, 36521), (11, 36512), (12, 36503), (14, 36422), (15, 36416), (17, 36335), (18, 36254), (19, 36239),