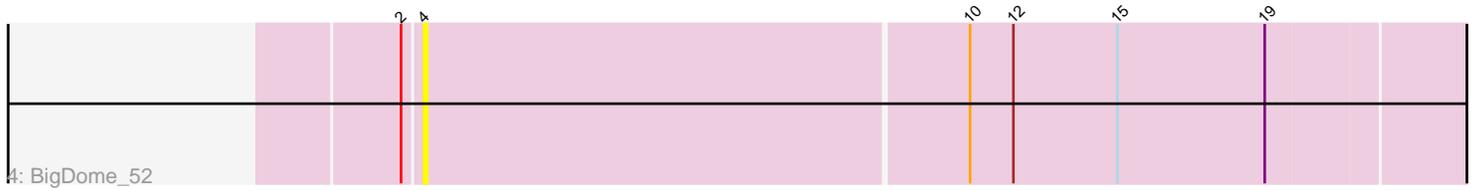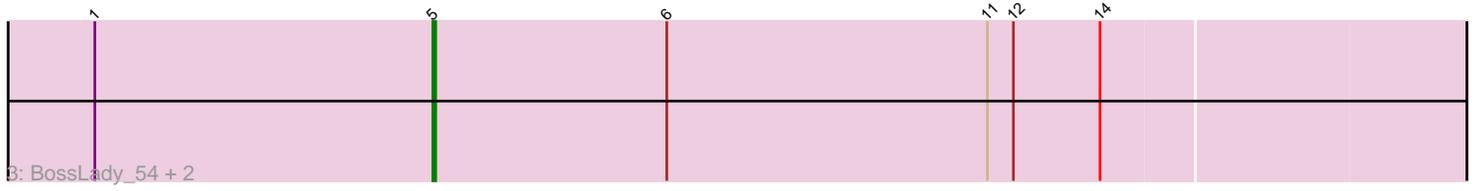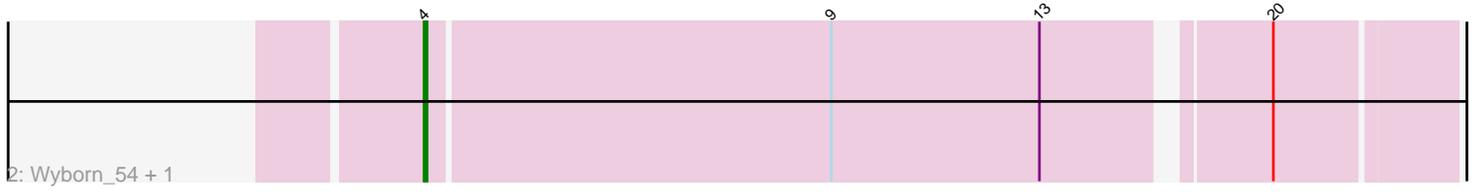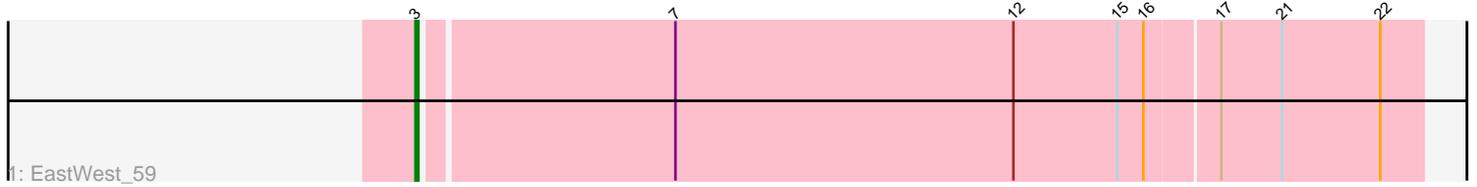# Pham 284289

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 284289 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284289 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : EastWest_59
• Track 2 : Wyborn_54, Sicarius2_54
• Track 3 : BossLady_54, TaeYoung_54, Grekaycon_53
• Track 4 : BigDome_52
• Track 5 : Martha_53
• Track 6 : Jordan_52, Zartrosa_52, Shade_52, JKerns_52
• Track 7 : StevieBAY_52, GravityBall_52
• Track 8 : Timinator_52

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EastWest_59, JKerns_52, Jordan_52, Shade_52, Zartrosa_52,

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

Genes that do not have the "Most Annotated" start:
• BigDome_52, BossLady_54, GravityBall_52, Grekaycon_53, Martha_53, Sicarius2_54, StevieBAY_52, TaeYoung_54, Timinator_52, Wyborn_54,

Summary by start number:

Start 2:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Timinator_52 (AO2),

Start 3:
• Found in 5 of 15 (33.3%) of genes in pham

• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EastWest_59 (AO), JKerns_52 (AO2), Jordan_52 (AO2), Shade_52 (AO2), Zartrosa_52 (AO2),

Start 4:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 83.3% of time when present
• Phage (with cluster) where this start called: BigDome_52 (AO2), GravityBall_52 (AO2), Sicarius2_54 (AO2), StevieBAY_52 (AO2), Wyborn_54 (AO2),

Start 5:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BossLady_54 (AO2), Grekaycon_53 (AO2), Martha_53 (AO2), TaeYoung_54 (AO2),

Summary by clusters:

There are 2 clusters represented in this pham: AO2, AO,

Info for manual annotations of cluster AO:
•Start number 3 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO2:
•Start number 2 was manually annotated 1 time for cluster AO2.
•Start number 3 was manually annotated 4 times for cluster AO2.
•Start number 4 was manually annotated 4 times for cluster AO2.
•Start number 5 was manually annotated 4 times for cluster AO2.

Gene Information:

Gene: BigDome_52 Start: 37887, Stop: 38240, Start Num: 4
Candidate Starts for BigDome_52:
(Start: 2 @37881 has 1 MA's), (Start: 4 @37887 has 4 MA's), (10, 38073), (12, 38088), (15, 38124), (19, 38175),

Gene: BossLady_54 Start: 38141, Stop: 38497, Start Num: 5
Candidate Starts for BossLady_54:
(1, 38024), (Start: 5 @38141 has 4 MA's), (6, 38222), (11, 38333), (12, 38342), (14, 38372),

Gene: EastWest_59 Start: 38598, Stop: 38936, Start Num: 3
Candidate Starts for EastWest_59:
(Start: 3 @38598 has 5 MA's), (7, 38682), (12, 38799), (15, 38835), (16, 38844), (17, 38868), (21, 38889), (22, 38922),

Gene: GravityBall_52 Start: 37958, Stop: 38311, Start Num: 4
Candidate Starts for GravityBall_52:
(Start: 4 @37958 has 4 MA's), (8, 38048), (12, 38159), (15, 38195),

Gene: Grekaycon_53 Start: 38040, Stop: 38396, Start Num: 5
Candidate Starts for Grekaycon_53:
(1, 37923), (Start: 5 @38040 has 4 MA's), (6, 38121), (11, 38232), (12, 38241), (14, 38271),

Gene: JKerns_52 Start: 38120, Stop: 38473, Start Num: 3
Candidate Starts for JKerns_52:
(Start: 3 @38120 has 5 MA's), (12, 38324),

Gene: Jordan_52 Start: 37923, Stop: 38276, Start Num: 3
Candidate Starts for Jordan_52:
(Start: 3 @37923 has 5 MA's), (12, 38127),

Gene: Martha_53 Start: 38154, Stop: 38501, Start Num: 5
Candidate Starts for Martha_53:
(1, 38037), (Start: 5 @38154 has 4 MA's), (12, 38352), (18, 38427),

Gene: Shade_52 Start: 37848, Stop: 38201, Start Num: 3
Candidate Starts for Shade_52:
(Start: 3 @37848 has 5 MA's), (12, 38052),

Gene: Sicarius2_54 Start: 37030, Stop: 37368, Start Num: 4
Candidate Starts for Sicarius2_54:
(Start: 4 @37030 has 4 MA's), (9, 37168), (13, 37240), (20, 37309),

Gene: StevieBAY_52 Start: 37955, Stop: 38308, Start Num: 4
Candidate Starts for StevieBAY_52:
(Start: 4 @37955 has 4 MA's), (8, 38045), (12, 38156), (15, 38192),

Gene: TaeYoung_54 Start: 38109, Stop: 38465, Start Num: 5
Candidate Starts for TaeYoung_54:
(1, 37992), (Start: 5 @38109 has 4 MA's), (6, 38190), (11, 38301), (12, 38310), (14, 38340),

Gene: Timinator_52 Start: 37818, Stop: 38177, Start Num: 2
Candidate Starts for Timinator_52:
(Start: 2 @37818 has 1 MA's), (Start: 4 @37824 has 4 MA's), (10, 38010), (12, 38025), (15, 38061),
(19, 38112),

Gene: Wyborn_54 Start: 38010, Stop: 38348, Start Num: 4
Candidate Starts for Wyborn_54:
(Start: 4 @38010 has 4 MA's), (9, 38148), (13, 38220), (20, 38289),

Gene: Zartrosa_52 Start: 37899, Stop: 38252, Start Num: 3
Candidate Starts for Zartrosa_52:
(Start: 3 @37899 has 5 MA's), (12, 38103),