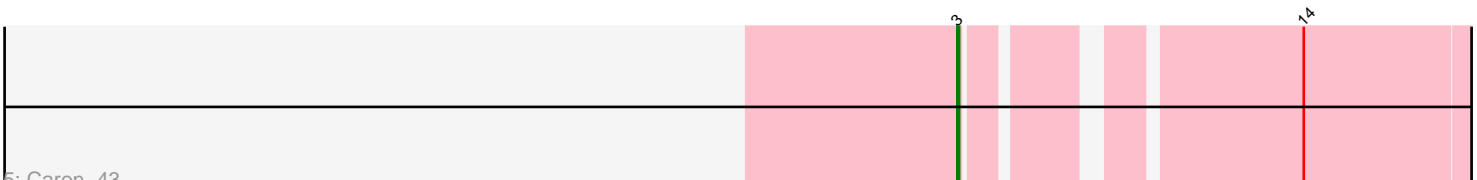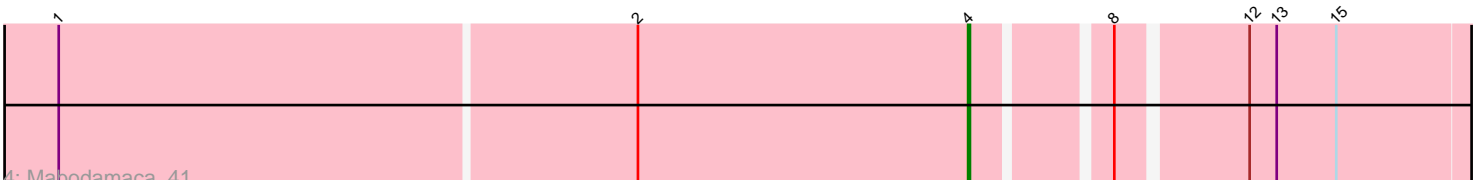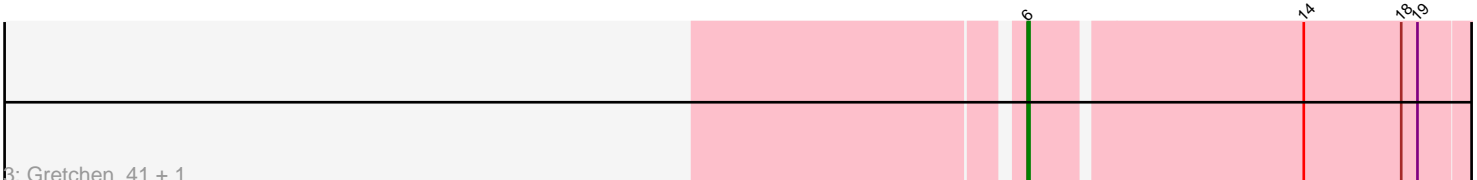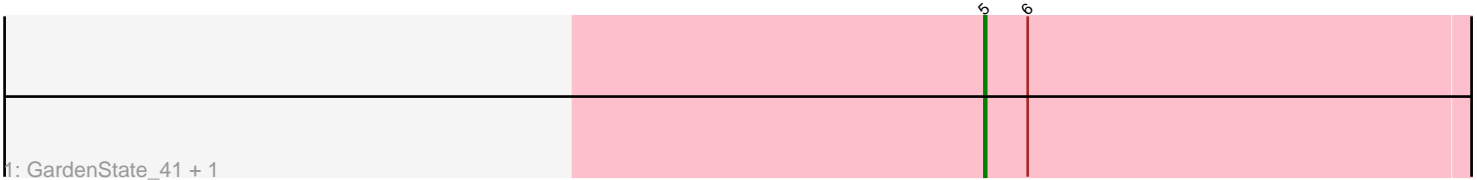# Pham 132535

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 132535 Report

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

Pham number 132535 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GardenState_41, IAmGroot_41
• Track 2 : Floof_42
• Track 3 : Gretchen_41, Percival_42
• Track 4 : Mabodamaca_41
• Track 5 : Caron_43
• Track 6 : SuMoo_43
• Track 7 : Barnstormer_40, UtzChips_40
• Track 8 : Zeta1847_34

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 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barnstormer_40, Caron_43, UtzChips_40, Zeta1847_34,

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

Genes that do not have the "Most Annotated" start:
• Floof_42, GardenState_41, Gretchen_41, IAmGroot_41, Mabodamaca_41, Percival_42, SuMoo_43,

Summary by start number:

Start 3:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_40 (EH), Caron_43 (EH), UtzChips_40 (EH), Zeta1847_34 (EH),

Start 4:

• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mabodamaca_41 (EH), SuMoo_43 (EH),

Start 5:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GardenState_41 (EH), IAmGroot_41 (EH),

Start 6:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Floof_42 (EH), Gretchen_41 (EH), Percival_42 (EH),

Summary by clusters:

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:
•Start number 3 was manually annotated 4 times for cluster EH.
•Start number 4 was manually annotated 1 time for cluster EH.
•Start number 5 was manually annotated 2 times for cluster EH.
•Start number 6 was manually annotated 3 times for cluster EH.

Gene Information:
Gene: Barnstormer_40 Start: 26567, Stop: 26830, Start Num: 3
Candidate Starts for Barnstormer_40:
(Start: 3 @26567 has 4 MA's), (7, 26609), (9, 26636), (11, 26675), (17, 26771),

Gene: Caron_43 Start: 27664, Stop: 27930, Start Num: 3
Candidate Starts for Caron_43:
(Start: 3 @27664 has 4 MA's), (14, 27820),

Gene: Floof_42 Start: 27361, Stop: 27576, Start Num: 6
Candidate Starts for Floof_42:
(2, 27157), (Start: 6 @27361 has 3 MA's), (10, 27403), (16, 27511),

Gene: GardenState_41 Start: 26716, Stop: 26997, Start Num: 5
Candidate Starts for GardenState_41:
(Start: 5 @26716 has 2 MA's), (Start: 6 @26740 has 3 MA's),

Gene: Gretchen_41 Start: 28112, Stop: 28366, Start Num: 6
Candidate Starts for Gretchen_41:
(Start: 6 @28112 has 3 MA's), (14, 28256), (18, 28310), (19, 28319),

Gene: IAmGroot_41 Start: 27381, Stop: 27662, Start Num: 5
Candidate Starts for IAmGroot_41:
(Start: 5 @27381 has 2 MA's), (Start: 6 @27405 has 3 MA's),

Gene: Mabodamaca_41 Start: 27926, Stop: 28192, Start Num: 4
Candidate Starts for Mabodamaca_41:
(1, 27428), (2, 27743), (Start: 4 @27926 has 1 MA's), (8, 27992), (12, 28058), (13, 28073), (15, 28106),

Gene: Percival_42 Start: 27946, Stop: 28200, Start Num: 6
Candidate Starts for Percival_42:
(Start: 6 @27946 has 3 MA's), (14, 28090), (18, 28144), (19, 28153),

Gene: SuMoo_43 Start: 27527, Stop: 27766, Start Num: 4
Candidate Starts for SuMoo_43:
(1, 27029), (2, 27344), (Start: 4 @27527 has 1 MA's), (18, 27719), (19, 27728),

Gene: UtzChips_40 Start: 26553, Stop: 26816, Start Num: 3
Candidate Starts for UtzChips_40:
(Start: 3 @26553 has 4 MA's), (7, 26595), (9, 26622), (11, 26661), (17, 26757),

Gene: Zeta1847_34 Start: 24871, Stop: 25170, Start Num: 3
Candidate Starts for Zeta1847_34:
(2, 24694), (Start: 3 @24871 has 4 MA's), (14, 25012),