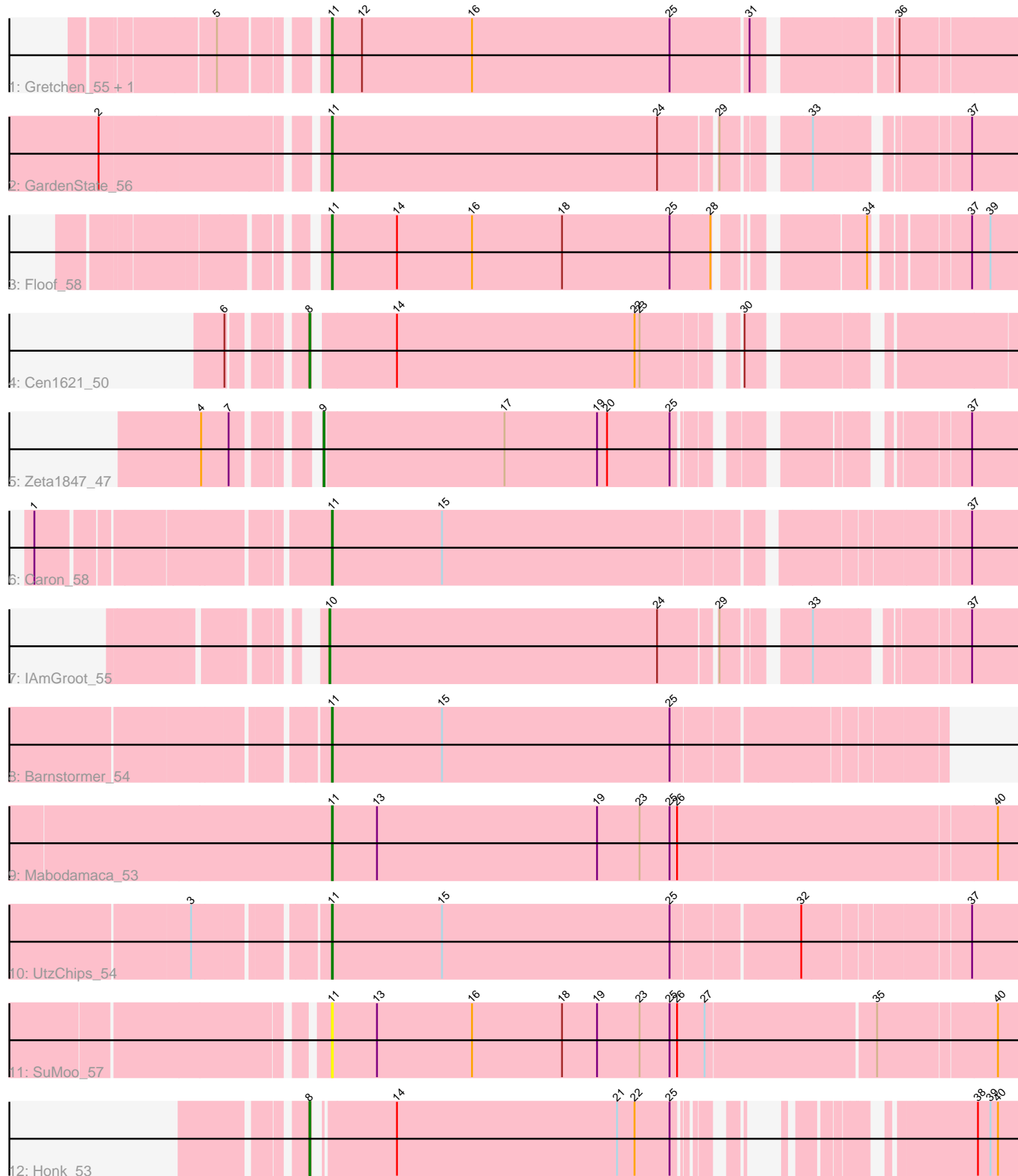# Pham 32430

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 32430 Report

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

Pham number 32430 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gretchen_55, Percival_56
• Track 2 : GardenState_56
• Track 3 : Floof_58
• Track 4 : Cen1621_50
• Track 5 : Zeta1847_47
• Track 6 : Caron_58
• Track 7 : IAmGroot_55
• Track 8 : Barnstormer_54
• Track 9 : Mabodamaca_53
• Track 10 : UtzChips_54
• Track 11 : SuMoo_57
• Track 12 : Honk_53

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

The start number called the most often in the published annotations is 11, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barnstormer_54, Caron_58, Floof_58, GardenState_56, Gretchen_55, Mabodamaca_53, Percival_56, SuMoo_57, UtzChips_54,

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

Genes that do not have the "Most Annotated" start:
• Cen1621_50, Honk_53, IAmGroot_55, Zeta1847_47,

Summary by start number:

Start 8:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Cen1621_50 (EH), Honk_53 (EH),

Start 9:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_47 (EH),

Start 10:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IAmGroot_55 (EH),

Start 11:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 8 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_54 (EH), Caron_58 (EH), Floof_58 (EH), GardenState_56 (EH), Gretchen_55 (EH), Mabodamaca_53 (EH), Percival_56 (EH), SuMoo_57 (EH), UtzChips_54 (EH),

Summary by clusters:

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:
•Start number 8 was manually annotated 2 times for cluster EH.
•Start number 9 was manually annotated 1 time for cluster EH.
•Start number 10 was manually annotated 1 time for cluster EH.
•Start number 11 was manually annotated 8 times for cluster EH.

Gene Information:
Gene: Barnstormer_54 Start: 35694, Stop: 36401, Start Num: 11
Candidate Starts for Barnstormer_54:
(Start: 11 @35694 has 8 MA's), (15, 35826), (25, 36099),

Gene: Caron_58 Start: 36781, Stop: 37575, Start Num: 11
Candidate Starts for Caron_58:
(1, 36472), (Start: 11 @36781 has 8 MA's), (15, 36913), (37, 37498),

Gene: Cen1621_50 Start: 34557, Stop: 35321, Start Num: 8
Candidate Starts for Cen1621_50:
(6, 34485), (Start: 8 @34557 has 2 MA's), (14, 34647), (22, 34932), (23, 34938), (30, 35034),

Gene: Floof_58 Start: 37269, Stop: 38048, Start Num: 11
Candidate Starts for Floof_58:
(Start: 11 @37269 has 8 MA's), (14, 37347), (16, 37437), (18, 37545), (25, 37674), (28, 37722), (34, 37857), (37, 37956), (39, 37977),

Gene: GardenState_56 Start: 36236, Stop: 36994, Start Num: 11
Candidate Starts for GardenState_56:
(2, 35990), (Start: 11 @36236 has 8 MA's), (24, 36626), (29, 36689), (33, 36770), (37, 36929),

Gene: Gretchen_55 Start: 37328, Stop: 38125, Start Num: 11
Candidate Starts for Gretchen_55:
(5, 37223), (Start: 11 @37328 has 8 MA's), (12, 37364), (16, 37496), (25, 37733), (31, 37823), (36, 37967),

Gene: Honk_53 Start: 34819, Stop: 35538, Start Num: 8
Candidate Starts for Honk_53:
(Start: 8 @34819 has 2 MA's), (14, 34903), (21, 35167), (22, 35188), (25, 35230), (38, 35458), (39, 35473), (40, 35482),

Gene: IAmGroot_55 Start: 36441, Stop: 37202, Start Num: 10
Candidate Starts for IAmGroot_55:
(Start: 10 @36441 has 1 MA's), (24, 36834), (29, 36897), (33, 36978), (37, 37137),

Gene: Mabodamaca_53 Start: 37633, Stop: 38448, Start Num: 11
Candidate Starts for Mabodamaca_53:
(Start: 11 @37633 has 8 MA's), (13, 37687), (19, 37951), (23, 38002), (25, 38038), (26, 38047), (40, 38422),

Gene: Percival_56 Start: 37164, Stop: 37961, Start Num: 11
Candidate Starts for Percival_56:
(5, 37059), (Start: 11 @37164 has 8 MA's), (12, 37200), (16, 37332), (25, 37569), (31, 37659), (36, 37803),

Gene: SuMoo_57 Start: 37124, Stop: 37933, Start Num: 11
Candidate Starts for SuMoo_57:
(Start: 11 @37124 has 8 MA's), (13, 37178), (16, 37292), (18, 37400), (19, 37442), (23, 37493), (25, 37529), (26, 37538), (27, 37571), (35, 37769), (40, 37907),

Gene: UtzChips_54 Start: 35679, Stop: 36491, Start Num: 11
Candidate Starts for UtzChips_54:
(3, 35541), (Start: 11 @35679 has 8 MA's), (15, 35811), (25, 36084), (32, 36228), (37, 36414),

Gene: Zeta1847_47 Start: 34179, Stop: 34964, Start Num: 9
Candidate Starts for Zeta1847_47:
(4, 34071), (7, 34104), (Start: 9 @34179 has 1 MA's), (17, 34392), (19, 34503), (20, 34515), (25, 34590), (37, 34854),