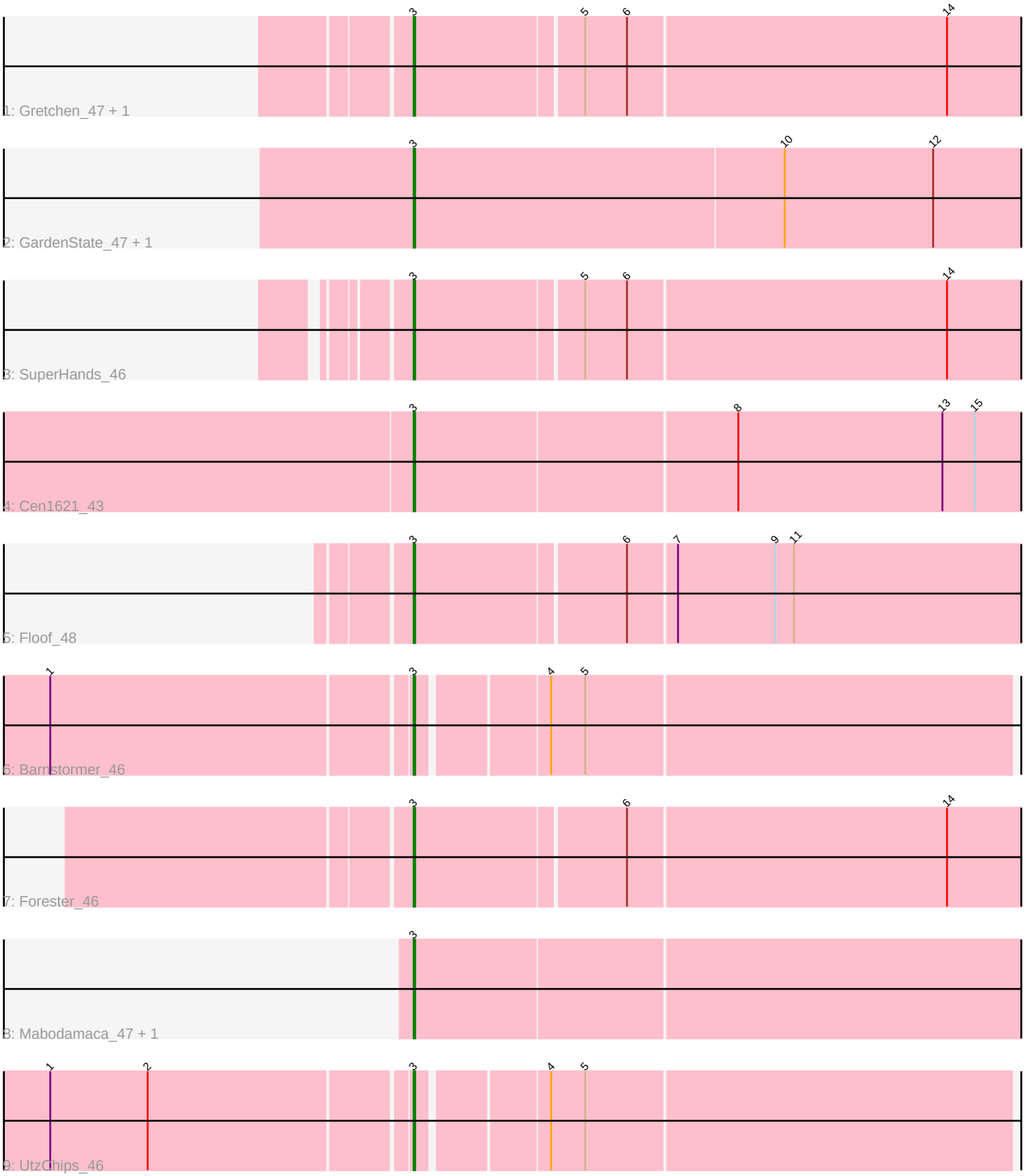
# Pham 344584


3
5
6
14
1: Gretchen_47 + 1
3
10
12
2: GardenState_47 + 1
3
5
6
14
3: SuperHands_46
3
8
13
15
4: Cen1621_43
3
6
7
9
11
5: Floof_48
1
3
4
5
6: Barnstormer_46
3
6
14
7: Forester_46
3
8: Mabodamaca_47 + 1
1
2
3
4
5
9: UtzChips_46

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 344584 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344584 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Gretchen_47, Percival_48
• Track 2 : GardenState_47, IAmGroot_47
• Track 3 : SuperHands_46
• Track 4 : Cen1621_43
• Track 5 : Floof_48
• Track 6 : Barnstormer_46
• Track 7 : Forester_46
• Track 8 : Mabodamaca_47, SuMoo_49
• Track 9 : UtzChips_46

***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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barnstormer_46, Cen1621_43, Floof_48, Forester_46, GardenState_47, Gretchen_47, IAmGroot_47, Mabodamaca_47, Percival_48, SuMoo_49, SuperHands_46, UtzChips_46,

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 3:
• Found in 12 of 12 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_46 (EH), Cen1621_43 (EH), Floof_48 (EH), Forester_46 (EH), GardenState_47 (EH), Gretchen_47 (EH),

IAmGroot_47 (EH), Mabodamaca_47 (EH), Percival_48 (EH), SuMoo_49 (EH), SuperHands_46 (EH), UtzChips_46 (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 12 times for cluster EH.

***Gene Information:***

Gene: Barnstormer_46 Start: 30765, Stop: 31136, Start Num: 3
Candidate Starts for Barnstormer_46:
(1, 30540), (Start: 3 @30765 has 12 MA's), (4, 30843), (5, 30864),

Gene: Cen1621_43 Start: 29290, Stop: 29697, Start Num: 3
Candidate Starts for Cen1621_43:
(Start: 3 @29290 has 12 MA's), (8, 29494), (13, 29626), (15, 29647),

Gene: Floof_48 Start: 31609, Stop: 32013, Start Num: 3
Candidate Starts for Floof_48:
(Start: 3 @31609 has 12 MA's), (6, 31741), (7, 31771), (9, 31834), (11, 31846),

Gene: Forester_46 Start: 32541, Stop: 32945, Start Num: 3
Candidate Starts for Forester_46:
(Start: 3 @32541 has 12 MA's), (6, 32673), (14, 32877),

Gene: GardenState_47 Start: 31002, Stop: 31415, Start Num: 3
Candidate Starts for GardenState_47:
(Start: 3 @31002 has 12 MA's), (10, 31239), (12, 31335),

Gene: Gretchen_47 Start: 32225, Stop: 32629, Start Num: 3
Candidate Starts for Gretchen_47:
(Start: 3 @32225 has 12 MA's), (5, 32330), (6, 32357), (14, 32561),

Gene: IAmGroot_47 Start: 31469, Stop: 31882, Start Num: 3
Candidate Starts for IAmGroot_47:
(Start: 3 @31469 has 12 MA's), (10, 31706), (12, 31802),

Gene: Mabodamaca_47 Start: 32040, Stop: 32444, Start Num: 3
Candidate Starts for Mabodamaca_47:
(Start: 3 @32040 has 12 MA's),

Gene: Percival_48 Start: 32060, Stop: 32464, Start Num: 3
Candidate Starts for Percival_48:
(Start: 3 @32060 has 12 MA's), (5, 32165), (6, 32192), (14, 32396),

Gene: SuMoo_49 Start: 31703, Stop: 32107, Start Num: 3
Candidate Starts for SuMoo_49:
(Start: 3 @31703 has 12 MA's),

Gene: SuperHands_46 Start: 32546, Stop: 32950, Start Num: 3
Candidate Starts for SuperHands_46:
(Start: 3 @32546 has 12 MA's), (5, 32651), (6, 32678), (14, 32882),

Gene: UtzChips_46 Start: 30751, Stop: 31122, Start Num: 3
Candidate Starts for UtzChips_46:
(1, 30526), (2, 30589), (Start: 3 @30751 has 12 MA's), (4, 30829), (5, 30850),