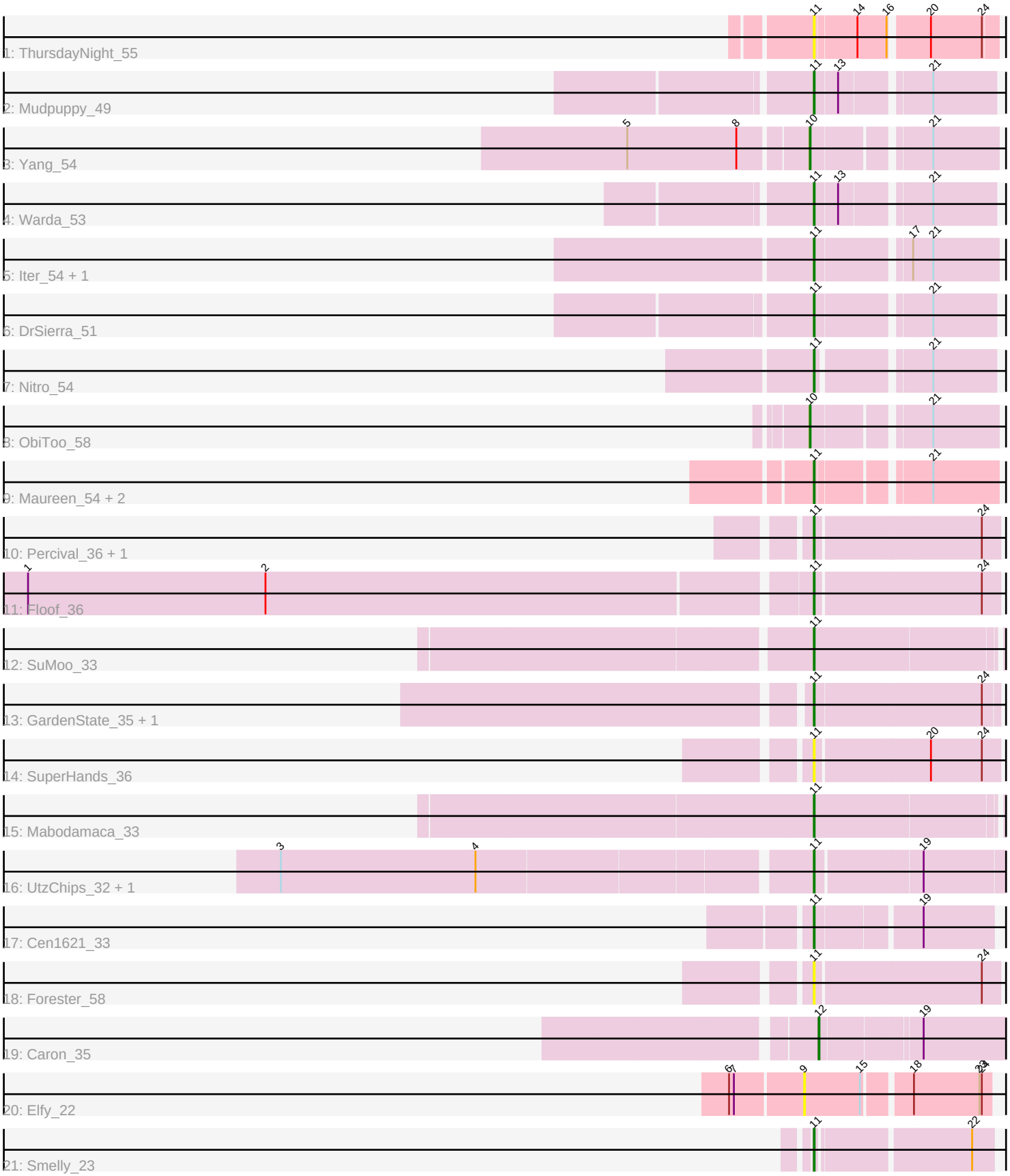
Pham 284092


1: ThursdayNight_55
2: Mudpuppy_49
3: Yang_54
4: Warda_53
5: Iter_54 + 1
6: DrSierra_51
7: Nitro_54
8: ObiToo_58
9: Maureen_54 + 2
10: Percival_36 + 1
11: Floof_36
12: SuMoo_33
13: GardenState_35 + 1
14: SuperHands_36
15: Mabodamaca_33
16: UtzChips_32 + 1
17: Cen1621_33
18: Forester_58
19: Caron_35
20: Elfy_22
21: Smelly_23

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 284092 Report

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

Pham number 284092 has 27 members, 5 are drafts.

Phages represented in each track:
- Track 1 : ThursdayNight_55
- Track 2 : Mudpuppy_49
- Track 3 : Yang_54
- Track 4 : Warda_53
- Track 5 : Iter_54, Ascela_54
- Track 6 : DrSierra_51
- Track 7 : Nitro_54
- Track 8 : ObiToo_58
- Track 9 : Maureen_54, IUFootball_54, Liebe_54
- Track 10 : Percival_36, Gretchen_36
- Track 11 : Floof_36
- Track 12 : SuMoo_33
- Track 13 : GardenState_35, IAmGroot_35
- Track 14 : SuperHands_36
- Track 15 : Mabodamaca_33
- Track 16 : UtzChips_32, Barnstormer_32
- Track 17 : Cen1621_33
- Track 18 : Forester_58
- Track 19 : Caron_35
- Track 20 : Elfy_22
- Track 21 : Smelly_23

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 19 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Ascela_54, Barnstormer_32, Cen1621_33, DrSierra_51, Floof_36, Forester_58, GardenState_35, Gretchen_36, IAmGroot_35, IUFootball_54, Iter_54, Liebe_54, Mabodamaca_33, Maureen_54, Mudpuppy_49, Nitro_54, Percival_36, Smelly_23, SuMoo_33, SuperHands_36, ThursdayNight_55, UtzChips_32, Warda_53,

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

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Genes that do not have the "Most Annotated" start:
• Caron_35, Elfy_22, ObiToo_58, Yang_54,

Summary by start number:

Start 9:
• Found in 1 of 27 (3.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_22 (FP),

Start 10:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ObiToo_58 (AZ1), Yang_54 (AZ1),

Start 11:
• Found in 23 of 27 (85.2%) of genes in pham
• Manual Annotations of this start: 19 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ascela_54 (AZ1), Barnstormer_32 (EH), Cen1621_33 (EH), DrSierra_51 (AZ1), Floof_36 (EH), Forester_58 (EH), GardenState_35 (EH), Gretchen_36 (EH), IAmGroot_35 (EH), IUFootball_54 (AZ2), Iter_54 (AZ1), Liebe_54 (AZ2), Mabodamaca_33 (EH), Maureen_54 (AZ2), Mudpuppy_49 (AZ1), Nitro_54 (AZ1), Percival_36 (EH), Smelly_23 (GK), SuMoo_33 (EH), SuperHands_36 (EH), ThursdayNight_55 (AZ), UtzChips_32 (EH), Warda_53 (AZ1),

Start 12:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caron_35 (EH),

Summary by clusters:

There are 6 clusters represented in this pham: FP, EH, AZ1, AZ2, AZ, GK,

Info for manual annotations of cluster AZ1:
•Start number 10 was manually annotated 2 times for cluster AZ1.
•Start number 11 was manually annotated 6 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 11 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster EH:
•Start number 11 was manually annotated 10 times for cluster EH.
•Start number 12 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster GK:
•Start number 11 was manually annotated 1 time for cluster GK.

Gene Information:

Gene: Ascela_54 Start: 38184, Stop: 38390, Start Num: 11
Candidate Starts for Ascela_54:
(Start: 11 @38184 has 19 MA's), (17, 38286), (21, 38310),

Gene: Barnstormer_32 Start: 23785, Stop: 24018, Start Num: 11
Candidate Starts for Barnstormer_32:
(3, 23161), (4, 23401), (Start: 11 @23785 has 19 MA's), (19, 23908),

Gene: Caron_35 Start: 24264, Stop: 24491, Start Num: 12
Candidate Starts for Caron_35:
(Start: 12 @24264 has 1 MA's), (19, 24378),

Gene: Cen1621_33 Start: 23276, Stop: 23482, Start Num: 11
Candidate Starts for Cen1621_33:
(Start: 11 @23276 has 19 MA's), (19, 23396),

Gene: DrSierra_51 Start: 36255, Stop: 36458, Start Num: 11
Candidate Starts for DrSierra_51:
(Start: 11 @36255 has 19 MA's), (21, 36381),

Gene: Elfy_22 Start: 19143, Stop: 19358, Start Num: 9
Candidate Starts for Elfy_22:
(6, 19056), (7, 19062), (9, 19143), (15, 19212), (18, 19263), (23, 19344), (24, 19347),

Gene: Floof_36 Start: 25209, Stop: 25427, Start Num: 11
Candidate Starts for Floof_36:
(1, 24261), (2, 24555), (Start: 11 @25209 has 19 MA's), (24, 25407),

Gene: Forester_58 Start: 26635, Stop: 26853, Start Num: 11
Candidate Starts for Forester_58:
(Start: 11 @26635 has 19 MA's), (24, 26833),

Gene: GardenState_35 Start: 24724, Stop: 24942, Start Num: 11
Candidate Starts for GardenState_35:
(Start: 11 @24724 has 19 MA's), (24, 24925),

Gene: Gretchen_36 Start: 26317, Stop: 26535, Start Num: 11
Candidate Starts for Gretchen_36:
(Start: 11 @26317 has 19 MA's), (24, 26515),

Gene: IAmGroot_35 Start: 25389, Stop: 25607, Start Num: 11
Candidate Starts for IAmGroot_35:
(Start: 11 @25389 has 19 MA's), (24, 25590),

Gene: IUFootball_54 Start: 39610, Stop: 39810, Start Num: 11

Candidate Starts for IUFootball_54:
(Start: 11 @39610 has 19 MA's), (21, 39730),

Gene: Iter_54 Start: 38176, Stop: 38382, Start Num: 11
Candidate Starts for Iter_54:
(Start: 11 @38176 has 19 MA's), (17, 38278), (21, 38302),

Gene: Liebe_54 Start: 39610, Stop: 39810, Start Num: 11
Candidate Starts for Liebe_54:
(Start: 11 @39610 has 19 MA's), (21, 39730),

Gene: Mabodamaca_33 Start: 24562, Stop: 24792, Start Num: 11
Candidate Starts for Mabodamaca_33:
(Start: 11 @24562 has 19 MA's),

Gene: Maureen_54 Start: 39609, Stop: 39809, Start Num: 11
Candidate Starts for Maureen_54:
(Start: 11 @39609 has 19 MA's), (21, 39729),

Gene: Mudpuppy_49 Start: 37133, Stop: 37333, Start Num: 11
Candidate Starts for Mudpuppy_49:
(Start: 11 @37133 has 19 MA's), (13, 37160), (21, 37256),

Gene: Nitro_54 Start: 39215, Stop: 39412, Start Num: 11
Candidate Starts for Nitro_54:
(Start: 11 @39215 has 19 MA's), (21, 39335),

Gene: ObiToo_58 Start: 38862, Stop: 39068, Start Num: 10
Candidate Starts for ObiToo_58:
(Start: 10 @38862 has 2 MA's), (21, 38988),

Gene: Percival_36 Start: 26151, Stop: 26369, Start Num: 11
Candidate Starts for Percival_36:
(Start: 11 @26151 has 19 MA's), (24, 26349),

Gene: Smelly_23 Start: 17195, Stop: 17398, Start Num: 11
Candidate Starts for Smelly_23:
(Start: 11 @17195 has 19 MA's), (22, 17372),

Gene: SuMoo_33 Start: 23508, Stop: 23738, Start Num: 11
Candidate Starts for SuMoo_33:
(Start: 11 @23508 has 19 MA's),

Gene: SuperHands_36 Start: 26654, Stop: 26872, Start Num: 11
Candidate Starts for SuperHands_36:
(Start: 11 @26654 has 19 MA's), (20, 26789), (24, 26852),

Gene: ThursdayNight_55 Start: 38698, Stop: 38901, Start Num: 11
Candidate Starts for ThursdayNight_55:
(Start: 11 @38698 has 19 MA's), (14, 38746), (16, 38779), (20, 38821), (24, 38884),

Gene: UtzChips_32 Start: 23770, Stop: 24003, Start Num: 11
Candidate Starts for UtzChips_32:

(3, 23146), (4, 23386), (Start: 11 @23770 has 19 MA's), (19, 23893),

Gene: Warda_53 Start: 37573, Stop: 37773, Start Num: 11
Candidate Starts for Warda_53:
(Start: 11 @37573 has 19 MA's), (13, 37600), (21, 37696),

Gene: Yang_54 Start: 38204, Stop: 38410, Start Num: 10
Candidate Starts for Yang_54:
(5, 37991), (8, 38126), (Start: 10 @38204 has 2 MA's), (21, 38330),