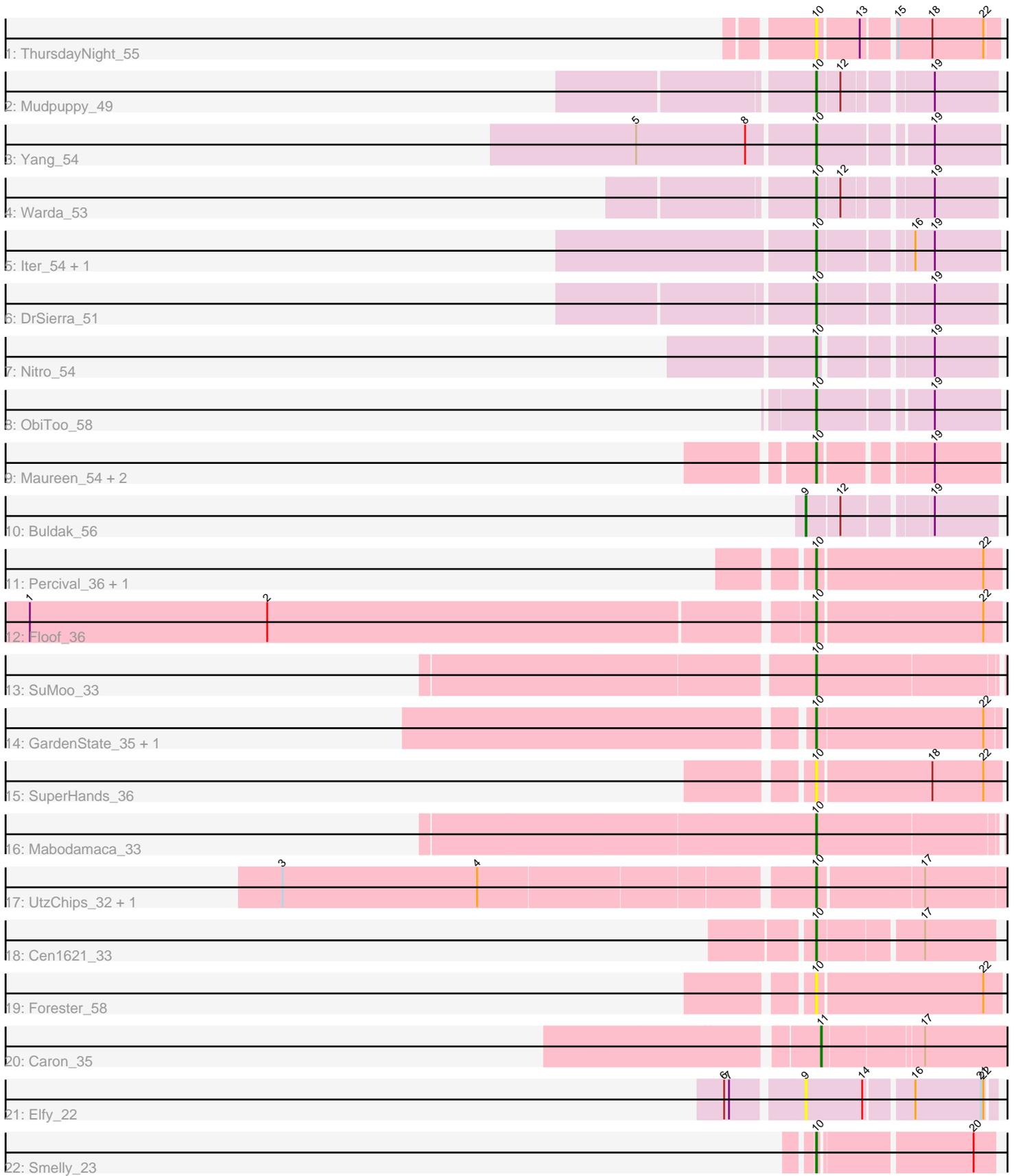


Pham 291426



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 291426 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291426 has 28 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 : Buldak_56
- Track 11 : Percival_36, Gretchen_36
- Track 12 : Floof_36
- Track 13 : SuMoo_33
- Track 14 : GardenState_35, IAmGroot_35
- Track 15 : SuperHands_36
- Track 16 : Mabodamaca_33
- Track 17 : UtzChips_32, Barnstormer_32
- Track 18 : Cen1621_33
- Track 19 : Forester_58
- Track 20 : Caron_35
- Track 21 : Elfy_22
- Track 22 : 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 10, it was called in 21 of the 23 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, ObiToo_58, Percival_36, Smelly_23, SuMoo_33, SuperHands_36, ThursdayNight_55, UtzChips_32, Warda_53, Yang_54,

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

-

Genes that do not have the "Most Annotated" start:

- Buldak_56, Caron_35, Elfy_22,

Summary by start number:

Start 9:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Buldak_56 (EB), Elfy_22 (FP),

Start 10:

- Found in 25 of 28 (89.3%) of genes in pham
- Manual Annotations of this start: 21 of 23
- 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), ObiToo_58 (AZ1), Percival_36 (EH), Smelly_23 (GK), SuMoo_33 (EH), SuperHands_36 (EH), ThursdayNight_55 (AZ), UtzChips_32 (EH), Warda_53 (AZ1), Yang_54 (AZ1),

Start 11:

- Found in 1 of 28 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caron_35 (EH),

Summary by clusters:

There are 7 clusters represented in this pham: FP, EH, EB, AZ1, AZ2, AZ, GK,

Info for manual annotations of cluster AZ1:

- Start number 10 was manually annotated 8 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 10 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster EB:

- Start number 9 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EH:

- Start number 10 was manually annotated 10 times for cluster EH.
- Start number 11 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster GK:

- Start number 10 was manually annotated 1 time for cluster GK.

Gene Information:

Gene: Ascela_54 Start: 38184, Stop: 38390, Start Num: 10

Candidate Starts for Ascela_54:

(Start: 10 @38184 has 21 MA's), (16, 38286), (19, 38310),

Gene: Barnstormer_32 Start: 23785, Stop: 24018, Start Num: 10

Candidate Starts for Barnstormer_32:

(3, 23161), (4, 23401), (Start: 10 @23785 has 21 MA's), (17, 23908),

Gene: Buldak_56 Start: 36115, Stop: 36327, Start Num: 9

Candidate Starts for Buldak_56:

(Start: 9 @36115 has 1 MA's), (12, 36154), (19, 36250),

Gene: Caron_35 Start: 24264, Stop: 24491, Start Num: 11

Candidate Starts for Caron_35:

(Start: 11 @24264 has 1 MA's), (17, 24378),

Gene: Cen1621_33 Start: 23276, Stop: 23482, Start Num: 10

Candidate Starts for Cen1621_33:

(Start: 10 @23276 has 21 MA's), (17, 23396),

Gene: DrSierra_51 Start: 36255, Stop: 36458, Start Num: 10

Candidate Starts for DrSierra_51:

(Start: 10 @36255 has 21 MA's), (19, 36381),

Gene: Elfy_22 Start: 19143, Stop: 19358, Start Num: 9

Candidate Starts for Elfy_22:

(6, 19056), (7, 19062), (Start: 9 @19143 has 1 MA's), (14, 19212), (16, 19263), (21, 19344), (22, 19347),

Gene: Floof_36 Start: 25209, Stop: 25427, Start Num: 10

Candidate Starts for Floof_36:

(1, 24261), (2, 24555), (Start: 10 @25209 has 21 MA's), (22, 25407),

Gene: Forester_58 Start: 26635, Stop: 26853, Start Num: 10

Candidate Starts for Forester_58:

(Start: 10 @26635 has 21 MA's), (22, 26833),

Gene: GardenState_35 Start: 24724, Stop: 24942, Start Num: 10

Candidate Starts for GardenState_35:

(Start: 10 @24724 has 21 MA's), (22, 24925),

Gene: Gretchen_36 Start: 26317, Stop: 26535, Start Num: 10

Candidate Starts for Gretchen_36:

(Start: 10 @26317 has 21 MA's), (22, 26515),

Gene: IAmGroot_35 Start: 25389, Stop: 25607, Start Num: 10

Candidate Starts for IAmGroot_35:

(Start: 10 @25389 has 21 MA's), (22, 25590),

Gene: IUFootball_54 Start: 39610, Stop: 39810, Start Num: 10

Candidate Starts for IUFootball_54:

(Start: 10 @39610 has 21 MA's), (19, 39730),

Gene: Iter_54 Start: 38176, Stop: 38382, Start Num: 10

Candidate Starts for Iter_54:

(Start: 10 @38176 has 21 MA's), (16, 38278), (19, 38302),

Gene: Liebe_54 Start: 39610, Stop: 39810, Start Num: 10

Candidate Starts for Liebe_54:

(Start: 10 @39610 has 21 MA's), (19, 39730),

Gene: Mabodamaca_33 Start: 24562, Stop: 24792, Start Num: 10

Candidate Starts for Mabodamaca_33:

(Start: 10 @24562 has 21 MA's),

Gene: Maureen_54 Start: 39609, Stop: 39809, Start Num: 10

Candidate Starts for Maureen_54:

(Start: 10 @39609 has 21 MA's), (19, 39729),

Gene: Mudpuppy_49 Start: 37133, Stop: 37333, Start Num: 10

Candidate Starts for Mudpuppy_49:

(Start: 10 @37133 has 21 MA's), (12, 37160), (19, 37256),

Gene: Nitro_54 Start: 39215, Stop: 39412, Start Num: 10

Candidate Starts for Nitro_54:

(Start: 10 @39215 has 21 MA's), (19, 39335),

Gene: ObiToo_58 Start: 38862, Stop: 39068, Start Num: 10

Candidate Starts for ObiToo_58:

(Start: 10 @38862 has 21 MA's), (19, 38988),

Gene: Percival_36 Start: 26151, Stop: 26369, Start Num: 10

Candidate Starts for Percival_36:

(Start: 10 @26151 has 21 MA's), (22, 26349),

Gene: Smelly_23 Start: 17195, Stop: 17398, Start Num: 10

Candidate Starts for Smelly_23:

(Start: 10 @17195 has 21 MA's), (20, 17372),

Gene: SuMoo_33 Start: 23508, Stop: 23738, Start Num: 10

Candidate Starts for SuMoo_33:

(Start: 10 @23508 has 21 MA's),

Gene: SuperHands_36 Start: 26654, Stop: 26872, Start Num: 10

Candidate Starts for SuperHands_36:

(Start: 10 @26654 has 21 MA's), (18, 26789), (22, 26852),

Gene: ThursdayNight_55 Start: 38698, Stop: 38901, Start Num: 10

Candidate Starts for ThursdayNight_55:

(Start: 10 @38698 has 21 MA's), (13, 38746), (15, 38779), (18, 38821), (22, 38884),

Gene: UtzChips_32 Start: 23770, Stop: 24003, Start Num: 10

Candidate Starts for UtzChips_32:

(3, 23146), (4, 23386), (Start: 10 @23770 has 21 MA's), (17, 23893),

Gene: Warda_53 Start: 37573, Stop: 37773, Start Num: 10

Candidate Starts for Warda_53:

(Start: 10 @37573 has 21 MA's), (12, 37600), (19, 37696),

Gene: Yang_54 Start: 38204, Stop: 38410, Start Num: 10

Candidate Starts for Yang_54:

(5, 37991), (8, 38126), (Start: 10 @38204 has 21 MA's), (19, 38330),