

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 303735 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303735 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : ThursdayNight_55
- Track 2 : Warda_53
- Track 3 : Iter_54, Ascela_54
- Track 4 : DrSierra_51
- Track 5 : Yang_54
- Track 6 : Nitro_54
- Track 7 : Mudpuppy_49
- Track 8 : ObiToo_58
- Track 9 : Maureen_54, IUFootball_54, Liebe_54
- Track 10 : Barnstormer_32, UtzChips_32
- Track 11 : Cen1621_33
- Track 12 : Elfy_22
- Track 13 : 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 8, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ascela_54, Barnstormer_32, Cen1621_33, DrSierra_51, IUFootball_54, Iter_54, Liebe_54, Maureen_54, Mudpuppy_49, Nitro_54, ObiToo_58, Smelly_23, ThursdayNight_55, UtzChips_32, Warda_53, Yang_54,

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:

- Elfy_22,

Summary by start number:

Start 7:

- Found in 1 of 17 (5.9%) 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 8:

- Found in 16 of 17 (94.1%) of genes in pham
- Manual Annotations of this start: 14 of 14
- 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), IUFootball_54 (AZ2), Iter_54 (AZ1), Liebe_54 (AZ2), Maureen_54 (AZ2), Mudpuppy_49 (AZ1), Nitro_54 (AZ1), ObiToo_58 (AZ1), Smelly_23 (GK), ThursdayNight_55 (AZ), UtzChips_32 (EH), Warda_53 (AZ1), Yang_54 (AZ1),

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 8 was manually annotated 8 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 8 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster EH:

- Start number 8 was manually annotated 3 times for cluster EH.

Info for manual annotations of cluster GK:

- Start number 8 was manually annotated 1 time for cluster GK.

Gene Information:

Gene: Ascela_54 Start: 38184, Stop: 38390, Start Num: 8

Candidate Starts for Ascela_54:

(Start: 8 @38184 has 14 MA's), (13, 38286), (17, 38310),

Gene: Barnstormer_32 Start: 23785, Stop: 24018, Start Num: 8

Candidate Starts for Barnstormer_32:

(1, 23161), (2, 23401), (Start: 8 @23785 has 14 MA's), (15, 23908),

Gene: Cen1621_33 Start: 23276, Stop: 23482, Start Num: 8

Candidate Starts for Cen1621_33:

(Start: 8 @23276 has 14 MA's), (15, 23396),

Gene: DrSierra_51 Start: 36255, Stop: 36458, Start Num: 8

Candidate Starts for DrSierra_51:

(Start: 8 @36255 has 14 MA's), (17, 36381),

Gene: Elfy_22 Start: 19143, Stop: 19358, Start Num: 7

Candidate Starts for Elfy_22:

(4, 19056), (5, 19062), (7, 19143), (11, 19212), (14, 19263), (19, 19344), (20, 19347),

Gene: IUFootball_54 Start: 39610, Stop: 39810, Start Num: 8

Candidate Starts for IUFootball_54:

(Start: 8 @39610 has 14 MA's), (17, 39730),

Gene: Iter_54 Start: 38176, Stop: 38382, Start Num: 8

Candidate Starts for Iter_54:

(Start: 8 @38176 has 14 MA's), (13, 38278), (17, 38302),

Gene: Liebe_54 Start: 39610, Stop: 39810, Start Num: 8

Candidate Starts for Liebe_54:

(Start: 8 @39610 has 14 MA's), (17, 39730),

Gene: Maureen_54 Start: 39609, Stop: 39809, Start Num: 8

Candidate Starts for Maureen_54:

(Start: 8 @39609 has 14 MA's), (17, 39729),

Gene: Mudpuppy_49 Start: 37133, Stop: 37333, Start Num: 8

Candidate Starts for Mudpuppy_49:

(Start: 8 @37133 has 14 MA's), (9, 37160), (17, 37256),

Gene: Nitro_54 Start: 39215, Stop: 39412, Start Num: 8

Candidate Starts for Nitro_54:

(Start: 8 @39215 has 14 MA's), (17, 39335),

Gene: ObiToo_58 Start: 38862, Stop: 39068, Start Num: 8

Candidate Starts for ObiToo_58:

(Start: 8 @38862 has 14 MA's), (17, 38988),

Gene: Smelly_23 Start: 17195, Stop: 17398, Start Num: 8

Candidate Starts for Smelly_23:

(Start: 8 @17195 has 14 MA's), (18, 17372),

Gene: ThursdayNight_55 Start: 38698, Stop: 38901, Start Num: 8

Candidate Starts for ThursdayNight_55:

(Start: 8 @38698 has 14 MA's), (10, 38746), (12, 38779), (16, 38821), (20, 38884),

Gene: UtzChips_32 Start: 23770, Stop: 24003, Start Num: 8

Candidate Starts for UtzChips_32:

(1, 23146), (2, 23386), (Start: 8 @23770 has 14 MA's), (15, 23893),

Gene: Warda_53 Start: 37573, Stop: 37773, Start Num: 8

Candidate Starts for Warda_53:

(Start: 8 @37573 has 14 MA's), (9, 37600), (17, 37696),

Gene: Yang_54 Start: 38204, Stop: 38410, Start Num: 8

Candidate Starts for Yang_54:

(3, 37991), (6, 38126), (Start: 8 @38204 has 14 MA's), (17, 38330),