



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 301771 Report

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

Pham number 301771 has 21 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Chupacabra_42, Goose_43, OKCentral2016_42
- Track 2 : PeaceMeal1_41, KittenMittens_40, Poompha_42, Severus_41, Drake94_41
- Track 3 : Shapes_47, DustyMartin_47, Twister_41, WalterMcMickey_41, Edison31_42, RhynO_44, Topanga_41, Rowdy_47
- Track 4 : Kristoff_43
- Track 5 : Eaglepride_44
- Track 6 : Trike_40
- Track 7 : DontArgue_42
- Track 8 : Rebeuca_43

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chupacabra_42, DontArgue_42, Drake94_41, DustyMartin_47, Eaglepride_44, Edison31_42, Goose_43, KittenMittens_40, Kristoff_43, OKCentral2016_42, PeaceMeal1_41, Poompha_42, Rebeuca_43, RhynO_44, Rowdy_47, Severus_41, Shapes_47, Topanga_41, Trike_40, Twister_41, WalterMcMickey_41,

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 4:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Chupacabra_42 (A10), DontArgue_42 (A10), Drake94_41 (A10), DustyMartin_47 (A10), Eaglepride_44 (A10), Edison31_42 (A10), Goose_43 (A10), KittenMittens_40 (A10), Kristoff_43 (A10), OKCentral2016_42 (A10), PeaceMeal1_41 (A10), Poompha_42 (A10), Rebeuca_43 (A10), RhynO_44 (A10), Rowdy_47 (A10), Severus_41 (A10), Shapes_47 (A10), Topanga_41 (A10), Trike_40 (A10), Twister_41 (A10), WalterMcMickey_41 (A10),

Summary by clusters:

There is one cluster represented in this pham: A10

Info for manual annotations of cluster A10:

•Start number 4 was manually annotated 17 times for cluster A10.

Gene Information:

Gene: Chupacabra_42 Start: 29275, Stop: 29105, Start Num: 4

Candidate Starts for Chupacabra_42:

(Start: 4 @29275 has 17 MA's), (6, 29260), (8, 29227), (9, 29197), (12, 29143),

Gene: DontArgue_42 Start: 28524, Stop: 28354, Start Num: 4

Candidate Starts for DontArgue_42:

(1, 28755), (3, 28653), (Start: 4 @28524 has 17 MA's), (12, 28392),

Gene: Drake94_41 Start: 28536, Stop: 28366, Start Num: 4

Candidate Starts for Drake94_41:

(Start: 4 @28536 has 17 MA's), (8, 28488), (12, 28404),

Gene: DustyMartin_47 Start: 29355, Stop: 29188, Start Num: 4

Candidate Starts for DustyMartin_47:

(Start: 4 @29355 has 17 MA's), (5, 29343), (7, 29337), (10, 29250), (12, 29226),

Gene: Eaglepride_44 Start: 29372, Stop: 29205, Start Num: 4

Candidate Starts for Eaglepride_44:

(Start: 4 @29372 has 17 MA's), (7, 29354), (12, 29243),

Gene: Edison31_42 Start: 29295, Stop: 29128, Start Num: 4

Candidate Starts for Edison31_42:

(Start: 4 @29295 has 17 MA's), (5, 29283), (7, 29277), (10, 29190), (12, 29166),

Gene: Goose_43 Start: 29079, Stop: 28909, Start Num: 4

Candidate Starts for Goose_43:

(Start: 4 @29079 has 17 MA's), (6, 29064), (8, 29031), (9, 29001), (12, 28947),

Gene: KittenMittens_40 Start: 28544, Stop: 28374, Start Num: 4

Candidate Starts for KittenMittens_40:

(Start: 4 @28544 has 17 MA's), (8, 28496), (12, 28412),

Gene: Kristoff_43 Start: 29647, Stop: 29477, Start Num: 4

Candidate Starts for Kristoff_43:

(Start: 4 @29647 has 17 MA's), (6, 29632), (8, 29599), (12, 29515), (13, 29485),

Gene: OKCentral2016_42 Start: 28982, Stop: 28812, Start Num: 4
Candidate Starts for OKCentral2016_42:
(Start: 4 @28982 has 17 MA's), (6, 28967), (8, 28934), (9, 28904), (12, 28850),

Gene: PeaceMeal1_41 Start: 28545, Stop: 28375, Start Num: 4
Candidate Starts for PeaceMeal1_41:
(Start: 4 @28545 has 17 MA's), (8, 28497), (12, 28413),

Gene: Poompha_42 Start: 28543, Stop: 28373, Start Num: 4
Candidate Starts for Poompha_42:
(Start: 4 @28543 has 17 MA's), (8, 28495), (12, 28411),

Gene: Rebeuca_43 Start: 29648, Stop: 29478, Start Num: 4
Candidate Starts for Rebeuca_43:
(Start: 4 @29648 has 17 MA's), (6, 29633), (8, 29600), (11, 29531), (12, 29516),

Gene: RhynO_44 Start: 29447, Stop: 29280, Start Num: 4
Candidate Starts for RhynO_44:
(Start: 4 @29447 has 17 MA's), (5, 29435), (7, 29429), (10, 29342), (12, 29318),

Gene: Rowdy_47 Start: 29355, Stop: 29188, Start Num: 4
Candidate Starts for Rowdy_47:
(Start: 4 @29355 has 17 MA's), (5, 29343), (7, 29337), (10, 29250), (12, 29226),

Gene: Severus_41 Start: 28543, Stop: 28373, Start Num: 4
Candidate Starts for Severus_41:
(Start: 4 @28543 has 17 MA's), (8, 28495), (12, 28411),

Gene: Shapes_47 Start: 29355, Stop: 29188, Start Num: 4
Candidate Starts for Shapes_47:
(Start: 4 @29355 has 17 MA's), (5, 29343), (7, 29337), (10, 29250), (12, 29226),

Gene: Topanga_41 Start: 29297, Stop: 29130, Start Num: 4
Candidate Starts for Topanga_41:
(Start: 4 @29297 has 17 MA's), (5, 29285), (7, 29279), (10, 29192), (12, 29168),

Gene: Trike_40 Start: 28376, Stop: 28206, Start Num: 4
Candidate Starts for Trike_40:
(2, 28532), (Start: 4 @28376 has 17 MA's), (8, 28328), (12, 28244),

Gene: Twister_41 Start: 29208, Stop: 29041, Start Num: 4
Candidate Starts for Twister_41:
(Start: 4 @29208 has 17 MA's), (5, 29196), (7, 29190), (10, 29103), (12, 29079),

Gene: WalterMcMickey_41 Start: 29208, Stop: 29041, Start Num: 4
Candidate Starts for WalterMcMickey_41:
(Start: 4 @29208 has 17 MA's), (5, 29196), (7, 29190), (10, 29103), (12, 29079),