



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 309409 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309409 has 19 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_7
- Track 2 : RazzB_8, Pointis_9, Popstraw_9, Pureglobe5_11, BetaFish_9, DogYard_9, Hive_8, Odyssey395_11
- Track 3 : Nikan_6, Ren19_6
- Track 4 : RIPWilbur_7, NyleyClemson_8, MellowYellow_9, Beagle_11, Forrestell_9, PhuzzTulsa_7, Kubulix_10
- Track 5 : Ollypop_8

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_11, BetaFish_9, DogYard_9, Forrestell_9, Hive_8, Kubulix_10, MellowYellow_9, Nikan_6, NyleyClemson_8, Odyssey395_11, Ollypop_8, PhuzzTulsa_7, Pointis_9, Popstraw_9, Pureglobe5_11, RIPWilbur_7, Ranunculus_7, RazzB_8, Ren19_6,

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 1:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_11 (AP2), BetaFish_9 (AP2), DogYard_9 (AP2), Forrestell_9 (AP2), Hive_8 (AP2), Kubulix_10 (AP2), MellowYellow_9 (AP2), Nikan_6 (AP2), NyleyClemson_8 (AP2), Odyssey395_11

(AP2), Ollypop_8 (AP2), PhuzzTulsa_7 (AP2), Pointis_9 (AP2), Popstraw_9 (AP2), Pureglobe5_11 (AP2), RIPWilbur_7 (AP2), Ranunculus_7 (AP), RazzB_8 (AP2), Ren19_6 (AP2),

Summary by clusters:

There are 2 clusters represented in this pham: AP2, AP,

Info for manual annotations of cluster AP:

- Start number 1 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:

- Start number 1 was manually annotated 14 times for cluster AP2.

Gene Information:

Gene: Beagle_11 Start: 3992, Stop: 4120, Start Num: 1

Candidate Starts for Beagle_11:

(Start: 1 @3992 has 15 MA's), (4, 4055), (6, 4100), (8, 4109),

Gene: BetaFish_9 Start: 3998, Stop: 4126, Start Num: 1

Candidate Starts for BetaFish_9:

(Start: 1 @3998 has 15 MA's), (4, 4061), (5, 4076), (6, 4106), (8, 4115),

Gene: DogYard_9 Start: 3868, Stop: 3996, Start Num: 1

Candidate Starts for DogYard_9:

(Start: 1 @3868 has 15 MA's), (4, 3931), (5, 3946), (6, 3976), (8, 3985),

Gene: Forrestell_9 Start: 3572, Stop: 3700, Start Num: 1

Candidate Starts for Forrestell_9:

(Start: 1 @3572 has 15 MA's), (4, 3635), (6, 3680), (8, 3689),

Gene: Hive_8 Start: 3882, Stop: 4010, Start Num: 1

Candidate Starts for Hive_8:

(Start: 1 @3882 has 15 MA's), (4, 3945), (5, 3960), (6, 3990), (8, 3999),

Gene: Kubulix_10 Start: 3997, Stop: 4125, Start Num: 1

Candidate Starts for Kubulix_10:

(Start: 1 @3997 has 15 MA's), (4, 4060), (6, 4105), (8, 4114),

Gene: MellowYellow_9 Start: 3602, Stop: 3730, Start Num: 1

Candidate Starts for MellowYellow_9:

(Start: 1 @3602 has 15 MA's), (4, 3665), (6, 3710), (8, 3719),

Gene: Nikan_6 Start: 3574, Stop: 3702, Start Num: 1

Candidate Starts for Nikan_6:

(Start: 1 @3574 has 15 MA's),

Gene: NyleyClemson_8 Start: 3544, Stop: 3672, Start Num: 1

Candidate Starts for NyleyClemson_8:

(Start: 1 @3544 has 15 MA's), (4, 3607), (6, 3652), (8, 3661),

Gene: Odyssey395_11 Start: 3996, Stop: 4124, Start Num: 1
Candidate Starts for Odyssey395_11:
(Start: 1 @3996 has 15 MA's), (4, 4059), (5, 4074), (6, 4104), (8, 4113),

Gene: Ollypop_8 Start: 3652, Stop: 3780, Start Num: 1
Candidate Starts for Ollypop_8:
(Start: 1 @3652 has 15 MA's), (2, 3694),

Gene: PhuzzTulsa_7 Start: 3786, Stop: 3914, Start Num: 1
Candidate Starts for PhuzzTulsa_7:
(Start: 1 @3786 has 15 MA's), (4, 3849), (6, 3894), (8, 3903),

Gene: Pointis_9 Start: 3997, Stop: 4125, Start Num: 1
Candidate Starts for Pointis_9:
(Start: 1 @3997 has 15 MA's), (4, 4060), (5, 4075), (6, 4105), (8, 4114),

Gene: Popstraw_9 Start: 3980, Stop: 4108, Start Num: 1
Candidate Starts for Popstraw_9:
(Start: 1 @3980 has 15 MA's), (4, 4043), (5, 4058), (6, 4088), (8, 4097),

Gene: Pureglobe5_11 Start: 4010, Stop: 4138, Start Num: 1
Candidate Starts for Pureglobe5_11:
(Start: 1 @4010 has 15 MA's), (4, 4073), (5, 4088), (6, 4118), (8, 4127),

Gene: RIPWilbur_7 Start: 3404, Stop: 3532, Start Num: 1
Candidate Starts for RIPWilbur_7:
(Start: 1 @3404 has 15 MA's), (4, 3467), (6, 3512), (8, 3521),

Gene: Ranunculus_7 Start: 3578, Stop: 3706, Start Num: 1
Candidate Starts for Ranunculus_7:
(Start: 1 @3578 has 15 MA's), (3, 3638), (7, 3692), (8, 3695),

Gene: RazzB_8 Start: 3372, Stop: 3500, Start Num: 1
Candidate Starts for RazzB_8:
(Start: 1 @3372 has 15 MA's), (4, 3435), (5, 3450), (6, 3480), (8, 3489),

Gene: Ren19_6 Start: 3574, Stop: 3702, Start Num: 1
Candidate Starts for Ren19_6:
(Start: 1 @3574 has 15 MA's),