

Pham 309791



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 309791 Report

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

Pham number 309791 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brad_44, GurgleFerb_44, Nellie_44, Adat_44
- Track 2 : Jasmine_46
- Track 3 : GalaxyEater_45
- Track 4 : Casserole_43
- Track 5 : LadyJasley_51
- Track 6 : Phroglets_42
- Track 7 : PigHeaded_52

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adat_44, Brad_44, Casserole_43, GurgleFerb_44, Jasmine_46, Nellie_44,

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:

- GalaxyEater_45, LadyJasley_51, Phroglets_42, PigHeaded_52,

Summary by start number:

Start 3:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_44 (AV), Brad_44 (AV), Casserole_43 (AV), GurgleFerb_44 (AV), Jasmine_46 (AV), Nellie_44 (AV),

Start 4:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 2 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: GalaxyEater_45 (AV), LadyJasley_51 (AV), PigHeaded_52 (AV),

Start 5:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phroglets_42 (AV),

Summary by clusters:

There is one cluster represented in this pham: AV

Info for manual annotations of cluster AV:

- Start number 3 was manually annotated 6 times for cluster AV.
- Start number 4 was manually annotated 2 times for cluster AV.
- Start number 5 was manually annotated 1 time for cluster AV.

Gene Information:

Gene: Adat_44 Start: 38199, Stop: 37633, Start Num: 3

Candidate Starts for Adat_44:

(Start: 3 @38199 has 6 MA's), (6, 38169), (10, 38085), (12, 38049), (13, 37977), (15, 37962), (17, 37953), (18, 37950), (31, 37644),

Gene: Brad_44 Start: 38197, Stop: 37631, Start Num: 3

Candidate Starts for Brad_44:

(Start: 3 @38197 has 6 MA's), (6, 38167), (10, 38083), (12, 38047), (13, 37975), (15, 37960), (17, 37951), (18, 37948), (31, 37642),

Gene: Casserole_43 Start: 39080, Stop: 38553, Start Num: 3

Candidate Starts for Casserole_43:

(Start: 3 @39080 has 6 MA's), (6, 39050), (8, 39026), (10, 38966), (23, 38771), (31, 38564),

Gene: GalaxyEater_45 Start: 40162, Stop: 39629, Start Num: 4

Candidate Starts for GalaxyEater_45:

(1, 40195), (Start: 4 @40162 has 2 MA's), (6, 40141), (7, 40129), (21, 39892), (25, 39754), (29, 39676), (32, 39649), (33, 39646), (34, 39637),

Gene: GurgleFerb_44 Start: 38198, Stop: 37632, Start Num: 3

Candidate Starts for GurgleFerb_44:

(Start: 3 @38198 has 6 MA's), (6, 38168), (10, 38084), (12, 38048), (13, 37976), (15, 37961), (17, 37952), (18, 37949), (31, 37643),

Gene: Jasmine_46 Start: 39818, Stop: 39252, Start Num: 3

Candidate Starts for Jasmine_46:

(Start: 3 @39818 has 6 MA's), (6, 39788), (10, 39704), (12, 39668), (13, 39596), (15, 39581), (17, 39572), (18, 39569), (20, 39506), (31, 39263),

Gene: LadyJasley_51 Start: 40854, Stop: 40351, Start Num: 4

Candidate Starts for LadyJasley_51:

(Start: 4 @40854 has 2 MA's), (6, 40833), (8, 40809), (9, 40773), (10, 40767), (24, 40551), (27, 40401), (28, 40398),

Gene: Nellie_44 Start: 38199, Stop: 37633, Start Num: 3

Candidate Starts for Nellie_44:

(Start: 3 @38199 has 6 MA's), (6, 38169), (10, 38085), (12, 38049), (13, 37977), (15, 37962), (17, 37953), (18, 37950), (31, 37644),

Gene: Phroglets_42 Start: 38392, Stop: 37895, Start Num: 5

Candidate Starts for Phroglets_42:

(Start: 5 @38392 has 1 MA's), (11, 38293), (14, 38200), (19, 38182), (26, 37960),

Gene: PigHeaded_52 Start: 39863, Stop: 39351, Start Num: 4

Candidate Starts for PigHeaded_52:

(2, 39887), (Start: 4 @39863 has 2 MA's), (6, 39842), (12, 39740), (15, 39662), (16, 39656), (18, 39650), (21, 39593), (22, 39590), (24, 39536), (25, 39455), (30, 39371),