

Pham 87295



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 87295 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87295 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Norvs_71, PhinkBoden_70, Cucurbita_72, Toniann_71
- Track 2 : Abscondus_70
- Track 3 : Miskis_72
- Track 4 : Smoothie_72, Bachita_72, Lozinak_71, Engineer_72, Aphelion_70, Dusty_69
- Track 5 : Culver_72
- Track 6 : ClubL_71
- Track 7 : WilliamBoone_70

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_70, Aphelion_70, Bachita_72, ClubL_71, Cucurbita_72, Culver_72, Dusty_69, Engineer_72, Lozinak_71, Miskis_72, Norvs_71, PhinkBoden_70, Smoothie_72, Toniann_71, WilliamBoone_70,

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 3:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_70 (CQ), Aphelion_70 (CQ1), Bachita_72 (CQ1), ClubL_71 (CQ1), Cucurbita_72 (CQ1), Culver_72 (CQ1), Dusty_69 (CQ), Engineer_72 (CQ1), Lozinak_71 (CQ1), Miskis_72 (CQ), Norvs_71

(CQ), PhinkBoden_70 (CQ1), Smoothie_72 (CQ1), Toniann_71 (CQ1), WilliamBoone_70 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ, CQ1,

Info for manual annotations of cluster CQ:

- Start number 3 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 3 was manually annotated 11 times for cluster CQ1.

Gene Information:

Gene: Abscondus_70 Start: 45535, Stop: 46047, Start Num: 3

Candidate Starts for Abscondus_70:

(1, 45433), (Start: 3 @45535 has 12 MA's), (4, 45559), (6, 45580), (7, 45592), (8, 45595), (10, 45634), (11, 45652), (12, 45655), (14, 45727), (16, 45835), (17, 45997), (18, 46012),

Gene: Aphelion_70 Start: 46172, Stop: 46669, Start Num: 3

Candidate Starts for Aphelion_70:

(1, 46070), (Start: 3 @46172 has 12 MA's), (5, 46199), (9, 46256), (17, 46619),

Gene: Bachita_72 Start: 46597, Stop: 47094, Start Num: 3

Candidate Starts for Bachita_72:

(1, 46495), (Start: 3 @46597 has 12 MA's), (5, 46624), (9, 46681), (17, 47044),

Gene: ClubL_71 Start: 45724, Stop: 46236, Start Num: 3

Candidate Starts for ClubL_71:

(2, 45667), (Start: 3 @45724 has 12 MA's), (4, 45748), (6, 45769), (7, 45781), (8, 45784), (10, 45823), (11, 45841), (12, 45844), (13, 45901), (14, 45916), (16, 46024), (17, 46186), (18, 46201),

Gene: Cucurbita_72 Start: 47089, Stop: 47601, Start Num: 3

Candidate Starts for Cucurbita_72:

(2, 47032), (Start: 3 @47089 has 12 MA's), (4, 47113), (6, 47134), (7, 47146), (8, 47149), (10, 47188), (11, 47206), (12, 47209), (14, 47281), (16, 47389), (17, 47551), (18, 47566),

Gene: Culver_72 Start: 45406, Stop: 45903, Start Num: 3

Candidate Starts for Culver_72:

(Start: 3 @45406 has 12 MA's), (5, 45433), (9, 45490), (17, 45853),

Gene: Dusty_69 Start: 45914, Stop: 46411, Start Num: 3

Candidate Starts for Dusty_69:

(1, 45812), (Start: 3 @45914 has 12 MA's), (5, 45941), (9, 45998), (17, 46361),

Gene: Engineer_72 Start: 46570, Stop: 47067, Start Num: 3

Candidate Starts for Engineer_72:

(1, 46468), (Start: 3 @46570 has 12 MA's), (5, 46597), (9, 46654), (17, 47017),

Gene: Lozinak_71 Start: 46408, Stop: 46905, Start Num: 3

Candidate Starts for Lozinak_71:

(1, 46306), (Start: 3 @46408 has 12 MA's), (5, 46435), (9, 46492), (17, 46855),

Gene: Miskis_72 Start: 45563, Stop: 46075, Start Num: 3

Candidate Starts for Miskis_72:

(Start: 3 @45563 has 12 MA's), (4, 45587), (6, 45608), (7, 45620), (8, 45623), (11, 45680), (12, 45683), (14, 45755), (16, 45863), (17, 46025), (18, 46040),

Gene: Norvs_71 Start: 45802, Stop: 46314, Start Num: 3

Candidate Starts for Norvs_71:

(2, 45745), (Start: 3 @45802 has 12 MA's), (4, 45826), (6, 45847), (7, 45859), (8, 45862), (10, 45901), (11, 45919), (12, 45922), (14, 45994), (16, 46102), (17, 46264), (18, 46279),

Gene: PhinkBoden_70 Start: 46183, Stop: 46695, Start Num: 3

Candidate Starts for PhinkBoden_70:

(2, 46126), (Start: 3 @46183 has 12 MA's), (4, 46207), (6, 46228), (7, 46240), (8, 46243), (10, 46282), (11, 46300), (12, 46303), (14, 46375), (16, 46483), (17, 46645), (18, 46660),

Gene: Smoothie_72 Start: 46408, Stop: 46905, Start Num: 3

Candidate Starts for Smoothie_72:

(1, 46306), (Start: 3 @46408 has 12 MA's), (5, 46435), (9, 46492), (17, 46855),

Gene: Toniann_71 Start: 45745, Stop: 46257, Start Num: 3

Candidate Starts for Toniann_71:

(2, 45688), (Start: 3 @45745 has 12 MA's), (4, 45769), (6, 45790), (7, 45802), (8, 45805), (10, 45844), (11, 45862), (12, 45865), (14, 45937), (16, 46045), (17, 46207), (18, 46222),

Gene: WilliamBoone_70 Start: 44709, Stop: 45206, Start Num: 3

Candidate Starts for WilliamBoone_70:

(1, 44607), (Start: 3 @44709 has 12 MA's), (5, 44736), (9, 44793), (15, 44988), (17, 45156),