

Pham 135952



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 135952 Report

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

Pham number 135952 has 15 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Talia1610_288
- Track 2 : Atuin_1
- Track 3 : DunneganBoMo_303
- Track 4 : Bloom_288, Bloom_1
- Track 5 : Racecar_290
- Track 6 : Talia1610_1
- Track 7 : SJReid_1
- Track 8 : Racecar_1
- Track 9 : SJReid_312
- Track 10 : Atuin_308
- Track 11 : Mimi_1
- Track 12 : Mimi_291
- Track 13 : Patbob_1, Patbob_291

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Racecar_1, Racecar_290,

Genes that have the "Most Annotated" start but do not call it:

- Bloom_1, Bloom_288, Patbob_1, Patbob_291,

Genes that do not have the "Most Annotated" start:

- Atuin_1, Atuin_308, DunneganBoMo_303, Mimi_1, Mimi_291, SJReid_1, SJReid_312, Talia1610_1, Talia1610_288,

Summary by start number:

Start 1:

- Found in 6 of 15 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 2

- Called 33.3% of time when present
- Phage (with cluster) where this start called: Racecar_1 (FC), Racecar_290 (FC),

Start 4:

- Found in 2 of 15 (13.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid_1 (FC), SJReid_312 (FC),

Start 7:

- Found in 3 of 15 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_1 (FC), Atuin_308 (FC),
DunneganBoMo_303 (FC),

Start 8:

- Found in 10 of 15 (66.7%) of genes in pham
- No Manual Annotations of this start.
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Bloom_1 (FC), Bloom_288 (FC), Mimi_1 (FC), Mimi_291 (FC), Patbob_1 (FC), Patbob_291 (FC), Talia1610_1 (FC),
Talia1610_288 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_1 Start: 19, Stop: 642, Start Num: 7

Candidate Starts for Atuin_1:

(7, 19), (14, 253), (19, 340), (23, 388), (28, 460), (29, 523), (30, 535),

Gene: Atuin_308 Start: 176907, Stop: 177530, Start Num: 7

Candidate Starts for Atuin_308:

(2, 176871), (7, 176907), (14, 177141), (19, 177228), (23, 177276), (28, 177348), (29, 177411), (30, 177423),

Gene: Bloom_288 Start: 173585, Stop: 174196, Start Num: 8

Candidate Starts for Bloom_288:

(Start: 1 @173525 has 2 MA's), (8, 173585), (11, 173693), (13, 173729), (21, 173909), (27, 174002),
(29, 174068),

Gene: Bloom_1 Start: 110, Stop: 721, Start Num: 8

Candidate Starts for Bloom_1:

(Start: 1 @50 has 2 MA's), (8, 110), (11, 218), (13, 254), (21, 434), (27, 527), (29, 593),

Gene: DunneganBoMo_303 Start: 178841, Stop: 179455, Start Num: 7

Candidate Starts for DunneganBoMo_303:

(3, 178817), (5, 178826), (6, 178832), (7, 178841), (16, 179129), (18, 179153), (19, 179159), (28, 179279), (29, 179342), (30, 179354),

Gene: Mimi_1 Start: 51, Stop: 662, Start Num: 8

Candidate Starts for Mimi_1:

(8, 51), (9, 93), (10, 153), (11, 159), (18, 348), (19, 354), (22, 390), (29, 534),

Gene: Mimi_291 Start: 172711, Stop: 173322, Start Num: 8

Candidate Starts for Mimi_291:

(8, 172711), (9, 172753), (10, 172813), (11, 172819), (18, 173008), (19, 173014), (22, 173050), (29, 173194),

Gene: Patbob_1 Start: 110, Stop: 718, Start Num: 8

Candidate Starts for Patbob_1:

(Start: 1 @50 has 2 MA's), (8, 110), (11, 218), (13, 254), (21, 434), (29, 593),

Gene: Patbob_291 Start: 175569, Stop: 176177, Start Num: 8

Candidate Starts for Patbob_291:

(Start: 1 @175509 has 2 MA's), (8, 175569), (11, 175677), (13, 175713), (21, 175893), (29, 176052),

Gene: Racecar_290 Start: 173759, Stop: 174430, Start Num: 1

Candidate Starts for Racecar_290:

(Start: 1 @173759 has 2 MA's), (8, 173819), (11, 173927), (13, 173963), (21, 174143), (27, 174236), (29, 174302),

Gene: Racecar_1 Start: 50, Stop: 721, Start Num: 1

Candidate Starts for Racecar_1:

(Start: 1 @50 has 2 MA's), (8, 110), (11, 218), (13, 254), (21, 434), (27, 527), (29, 593),

Gene: SJReid_1 Start: 41, Stop: 667, Start Num: 4

Candidate Starts for SJReid_1:

(4, 41), (12, 221), (15, 332), (17, 368), (20, 398), (24, 443), (25, 449), (26, 464), (29, 566), (31, 623), (32, 662),

Gene: SJReid_312 Start: 172880, Stop: 173506, Start Num: 4

Candidate Starts for SJReid_312:

(4, 172880), (12, 173060), (15, 173171), (17, 173207), (20, 173237), (24, 173282), (25, 173288), (26, 173303), (29, 173405), (31, 173462), (32, 173501),

Gene: Talia1610_288 Start: 174538, Stop: 175149, Start Num: 8

Candidate Starts for Talia1610_288:

(8, 174538), (11, 174646), (13, 174682), (21, 174862), (27, 174955), (29, 175021),

Gene: Talia1610_1 Start: 66, Stop: 677, Start Num: 8

Candidate Starts for Talia1610_1:

(8, 66), (11, 174), (13, 210), (21, 390), (27, 483), (29, 549),