

Pham 6744



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 6744 Report

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

Pham number 6744 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Zainub_79
- Track 2 : Paolo_75
- Track 3 : Marav_71
- Track 4 : Omar_73
- Track 5 : Jevington_74
- Track 6 : Puginator_80
- Track 7 : GreenWeasel_70
- Track 8 : BroPlease_68
- Track 9 : phiHau3_70
- Track 10 : EhyElimayoE_326, Kradal_323
- Track 11 : Satis_323

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BroPlease_68, EhyElimayoE_326, GreenWeasel_70, Kradal_323, Omar_73, Puginator_80, Satis_323, phiHau3_70,

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

- Jevington_74, Marav_71, Paolo_75, Zainub_79,

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

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Summary by start number:

Start 7:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 80.0% of time when present

- Phage (with cluster) where this start called: Jevington_74 (BD2), Marav_71 (BD2), Paolo_75 (BD2), Zainub_79 (BD2),

Start 10:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BroPlease_68 (BD4), EhyElimayoE_326 (BM), GreenWeasel_70 (BD4), Kradal_323 (BM), Omar_73 (BD2), Puginator_80 (BD2), Satis_323 (BM), phiHau3_70 (BD4),

Summary by clusters:

There are 3 clusters represented in this pham: BD4, BM, BD2,

Info for manual annotations of cluster BD2:

- Start number 7 was manually annotated 1 time for cluster BD2.
- Start number 10 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD4:

- Start number 10 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BM:

- Start number 10 was manually annotated 3 times for cluster BM.

Gene Information:

Gene: BroPlease_68 Start: 44850, Stop: 44287, Start Num: 10

Candidate Starts for BroPlease_68:

(Start: 10 @44850 has 7 MA's), (12, 44787), (13, 44718), (15, 44667),

Gene: EhyElimayoE_326 Start: 175986, Stop: 175420, Start Num: 10

Candidate Starts for EhyElimayoE_326:

(3, 176073), (Start: 10 @175986 has 7 MA's), (11, 175932), (14, 175851), (17, 175764), (21, 175656), (23, 175581), (27, 175458), (28, 175443),

Gene: GreenWeasel_70 Start: 44850, Stop: 44287, Start Num: 10

Candidate Starts for GreenWeasel_70:

(Start: 10 @44850 has 7 MA's), (12, 44787), (13, 44718), (15, 44667), (19, 44604),

Gene: Jevington_74 Start: 44815, Stop: 44252, Start Num: 7

Candidate Starts for Jevington_74:

(5, 44830), (6, 44827), (Start: 7 @44815 has 1 MA's), (9, 44809), (Start: 10 @44800 has 7 MA's), (15, 44626), (18, 44578), (20, 44482), (22, 44443),

Gene: Kradal_323 Start: 175983, Stop: 175417, Start Num: 10

Candidate Starts for Kradal_323:

(3, 176070), (Start: 10 @175983 has 7 MA's), (11, 175929), (14, 175848), (17, 175761), (21, 175653), (23, 175578), (27, 175455), (28, 175440),

Gene: Marav_71 Start: 44801, Stop: 44238, Start Num: 7

Candidate Starts for Marav_71:

(6, 44813), (Start: 7 @44801 has 1 MA's), (9, 44795), (Start: 10 @44786 has 7 MA's), (15, 44612), (18, 44564), (20, 44468), (22, 44429), (25, 44267),

Gene: Omar_73 Start: 44144, Stop: 43593, Start Num: 10

Candidate Starts for Omar_73:

(1, 44255), (2, 44237), (4, 44222), (8, 44156), (Start: 10 @44144 has 7 MA's), (15, 43970), (16, 43934), (18, 43922), (20, 43826), (22, 43787),

Gene: Paolo_75 Start: 46063, Stop: 45500, Start Num: 7

Candidate Starts for Paolo_75:

(6, 46075), (Start: 7 @46063 has 1 MA's), (9, 46057), (Start: 10 @46048 has 7 MA's), (15, 45874), (16, 45838), (18, 45826), (20, 45730), (22, 45691),

Gene: Puginator_80 Start: 46096, Stop: 45548, Start Num: 10

Candidate Starts for Puginator_80:

(6, 46123), (Start: 7 @46111 has 1 MA's), (9, 46105), (Start: 10 @46096 has 7 MA's), (15, 45922), (16, 45886), (18, 45874), (20, 45778), (22, 45739),

Gene: Satis_323 Start: 176320, Stop: 175754, Start Num: 10

Candidate Starts for Satis_323:

(3, 176407), (Start: 10 @176320 has 7 MA's), (11, 176266), (14, 176185), (17, 176098), (21, 175990), (23, 175915), (27, 175792), (28, 175777), (29, 175768),

Gene: Zainub_79 Start: 46037, Stop: 45474, Start Num: 7

Candidate Starts for Zainub_79:

(5, 46052), (6, 46049), (Start: 7 @46037 has 1 MA's), (9, 46031), (Start: 10 @46022 has 7 MA's), (15, 45848), (16, 45812), (18, 45800), (20, 45704), (22, 45665), (24, 45545),

Gene: phiHau3_70 Start: 45308, Stop: 44718, Start Num: 10

Candidate Starts for phiHau3_70:

(Start: 10 @45308 has 7 MA's), (13, 45176), (14, 45170), (15, 45125), (26, 44753),