



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 297282 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297282 has 8 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Gratitude_2
- Track 2 : Priamo_1, BennyP_1, GreedyLawyer_1, Candra_1, Temprado_1, Garak_1
- Track 3 : DelvinSonDorr_1

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BennyP_1, Candra_1, Garak_1, GreedyLawyer_1, Priamo_1, Temprado_1,

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

- DelvinSonDorr_1, Gratitude_2,

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

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Summary by start number:

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BennyP_1 (A6), Candra_1 (A6), Garak_1 (A6), GreedyLawyer_1 (A6), Priamo_1 (A6), Temprado_1 (A6),

Start 3:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gratitude_2 (A2),

Start 5:

- Found in 7 of 8 (87.5%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: DelvinSonDorr_1 (A6),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A6,

Info for manual annotations of cluster A6:

- Start number 2 was manually annotated 3 times for cluster A6.

Gene Information:

Gene: BennyP_1 Start: 487, Stop: 1176, Start Num: 2

Candidate Starts for BennyP_1:

(1, 418), (Start: 2 @487 has 3 MA's), (4, 571), (5, 613), (7, 682), (8, 703), (9, 733), (10, 901), (11, 982),

Gene: Candra_1 Start: 520, Stop: 1209, Start Num: 2

Candidate Starts for Candra_1:

(1, 451), (Start: 2 @520 has 3 MA's), (4, 604), (5, 646), (7, 715), (8, 736), (9, 766), (10, 934), (11, 1015),

Gene: DelvinSonDorr_1 Start: 615, Stop: 1178, Start Num: 5

Candidate Starts for DelvinSonDorr_1:

(1, 420), (Start: 2 @489 has 3 MA's), (4, 573), (5, 615), (7, 684), (8, 705), (9, 735), (10, 903), (11, 984),

Gene: Garak_1 Start: 487, Stop: 1176, Start Num: 2

Candidate Starts for Garak_1:

(1, 418), (Start: 2 @487 has 3 MA's), (4, 571), (5, 613), (7, 682), (8, 703), (9, 733), (10, 901), (11, 982),

Gene: Gratitude_2 Start: 750, Stop: 1376, Start Num: 3

Candidate Starts for Gratitude_2:

(1, 642), (Start: 2 @711 has 3 MA's), (3, 750), (4, 795), (6, 897), (7, 906), (8, 927), (9, 957), (10, 1125), (12, 1245),

Gene: GreedyLawyer_1 Start: 487, Stop: 1176, Start Num: 2

Candidate Starts for GreedyLawyer_1:

(1, 418), (Start: 2 @487 has 3 MA's), (4, 571), (5, 613), (7, 682), (8, 703), (9, 733), (10, 901), (11, 982),

Gene: Priamo_1 Start: 502, Stop: 1191, Start Num: 2

Candidate Starts for Priamo_1:

(1, 433), (Start: 2 @502 has 3 MA's), (4, 586), (5, 628), (7, 697), (8, 718), (9, 748), (10, 916), (11, 997),

Gene: Temprado_1 Start: 487, Stop: 1176, Start Num: 2

Candidate Starts for Temprado_1:

(1, 418), (Start: 2 @487 has 3 MA's), (4, 571), (5, 613), (7, 682), (8, 703), (9, 733), (10, 901), (11, 982),