



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 4783 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4783 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Honeyfin_9, Phrancesco_9, EarickHC_8, ClearAsMud_8, Scumberland_9, Cranjis_8, KaiHaiDragon_8, Piperis_8, PierreOrion_8, Selwyn23_9
- Track 2 : Quhwah_9, Pulchra_9, Yeti_8
- Track 3 : Crisis_8
- Track 4 : Teamocil_6
- Track 5 : Gina_6

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 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ClearAsMud_8, Cranjis_8, Crisis_8, EarickHC_8, Honeyfin_9, KaiHaiDragon_8, Phrancesco_9, PierreOrion_8, Piperis_8, Scumberland_9, Selwyn23_9, Teamocil_6,

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

- Gina_6, Pulchra_9, Quhwah_9, Yeti_8,

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

•

Summary by start number:

Start 2:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 13
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Gina_6 (EC), Pulchra_9 (EC), Quhwah_9 (EC), Yeti_8 (EC),

Start 3:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 13

- Called 75.0% of time when present
- Phage (with cluster) where this start called: ClearAsMud_8 (EC), Cranjis_8 (EC), Crisis_8 (EC), EarickHC_8 (EC), Honeyfin_9 (EC), KaiHaiDragon_8 (EC), Phrancesco_9 (EC), PierreOrion_8 (EC), Piperis_8 (EC), Scumberland_9 (EC), Selwyn23_9 (EC), Teamocil_6 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:

- Start number 2 was manually annotated 3 times for cluster EC.
- Start number 3 was manually annotated 10 times for cluster EC.

Gene Information:

Gene: ClearAsMud_8 Start: 4488, Stop: 4646, Start Num: 3

Candidate Starts for ClearAsMud_8:

(Start: 2 @4485 has 3 MA's), (Start: 3 @4488 has 10 MA's), (4, 4533),

Gene: Cranjis_8 Start: 4219, Stop: 4377, Start Num: 3

Candidate Starts for Cranjis_8:

(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: Crisis_8 Start: 4219, Stop: 4377, Start Num: 3

Candidate Starts for Crisis_8:

(1, 3871), (Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: EarickHC_8 Start: 4219, Stop: 4377, Start Num: 3

Candidate Starts for EarickHC_8:

(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: Gina_6 Start: 3346, Stop: 3513, Start Num: 2

Candidate Starts for Gina_6:

(Start: 2 @3346 has 3 MA's), (Start: 3 @3349 has 10 MA's), (4, 3397), (5, 3427),

Gene: Honeyfin_9 Start: 4428, Stop: 4586, Start Num: 3

Candidate Starts for Honeyfin_9:

(Start: 2 @4425 has 3 MA's), (Start: 3 @4428 has 10 MA's), (4, 4473),

Gene: KaiHaiDragon_8 Start: 4219, Stop: 4377, Start Num: 3

Candidate Starts for KaiHaiDragon_8:

(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: Phrancesco_9 Start: 4437, Stop: 4595, Start Num: 3

Candidate Starts for Phrancesco_9:

(Start: 2 @4434 has 3 MA's), (Start: 3 @4437 has 10 MA's), (4, 4482),

Gene: PierreOrion_8 Start: 4219, Stop: 4377, Start Num: 3

Candidate Starts for PierreOrion_8:

(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: Piperis_8 Start: 4219, Stop: 4377, Start Num: 3
Candidate Starts for Piperis_8:
(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),

Gene: Pulchra_9 Start: 4446, Stop: 4607, Start Num: 2
Candidate Starts for Pulchra_9:
(Start: 2 @4446 has 3 MA's), (Start: 3 @4449 has 10 MA's), (4, 4494),

Gene: Quhwah_9 Start: 4428, Stop: 4589, Start Num: 2
Candidate Starts for Quhwah_9:
(Start: 2 @4428 has 3 MA's), (Start: 3 @4431 has 10 MA's), (4, 4476),

Gene: Scumberland_9 Start: 4437, Stop: 4595, Start Num: 3
Candidate Starts for Scumberland_9:
(Start: 2 @4434 has 3 MA's), (Start: 3 @4437 has 10 MA's), (4, 4482),

Gene: Selwyn23_9 Start: 4449, Stop: 4607, Start Num: 3
Candidate Starts for Selwyn23_9:
(Start: 2 @4446 has 3 MA's), (Start: 3 @4449 has 10 MA's), (4, 4494),

Gene: Teamocil_6 Start: 3349, Stop: 3513, Start Num: 3
Candidate Starts for Teamocil_6:
(Start: 2 @3346 has 3 MA's), (Start: 3 @3349 has 10 MA's), (4, 3397), (5, 3427),

Gene: Yeti_8 Start: 4216, Stop: 4377, Start Num: 2
Candidate Starts for Yeti_8:
(Start: 2 @4216 has 3 MA's), (Start: 3 @4219 has 10 MA's), (4, 4264),