



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 6531 Report

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

Pham number 6531 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Starcevich_104, Job42_104, BlueCrab_105, Scottish_102, ShowerHandel_100, BobaPhett_105, KingMidas_102, Spikelee_102, BodEinwohner17_112, Radiance_100, Empress_102
- Track 2 : Bubbles123_96

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueCrab_105, BobaPhett_105, BodEinwohner17_112, Bubbles123_96, Empress_102, Job42_104, KingMidas_102, Radiance_100, Scottish_102, ShowerHandel_100, Spikelee_102, Starcevich_104,

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 2:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueCrab_105 (F1), BobaPhett_105 (F1), BodEinwohner17_112 (F1), Bubbles123_96 (F1), Empress_102 (F1), Job42_104 (F1), KingMidas_102 (F1), Radiance_100 (F1), Scottish_102 (F1), ShowerHandel_100 (F1), Spikelee_102 (F1), Starcevich_104 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

•Start number 2 was manually annotated 11 times for cluster F1.

Gene Information:

Gene: BlueCrab_105 Start: 57311, Stop: 57526, Start Num: 2

Candidate Starts for BlueCrab_105:

(Start: 2 @57311 has 11 MA's), (3, 57380), (4, 57476), (5, 57500),

Gene: BobaPhett_105 Start: 58274, Stop: 58489, Start Num: 2

Candidate Starts for BobaPhett_105:

(Start: 2 @58274 has 11 MA's), (3, 58343), (4, 58439), (5, 58463),

Gene: BodEinwohner17_112 Start: 58367, Stop: 58582, Start Num: 2

Candidate Starts for BodEinwohner17_112:

(Start: 2 @58367 has 11 MA's), (3, 58436), (4, 58532), (5, 58556),

Gene: Bubbles123_96 Start: 55766, Stop: 55984, Start Num: 2

Candidate Starts for Bubbles123_96:

(1, 55739), (Start: 2 @55766 has 11 MA's), (3, 55835), (4, 55931), (5, 55955),

Gene: Empress_102 Start: 55642, Stop: 55857, Start Num: 2

Candidate Starts for Empress_102:

(Start: 2 @55642 has 11 MA's), (3, 55711), (4, 55807), (5, 55831),

Gene: Job42_104 Start: 58503, Stop: 58718, Start Num: 2

Candidate Starts for Job42_104:

(Start: 2 @58503 has 11 MA's), (3, 58572), (4, 58668), (5, 58692),

Gene: KingMidas_102 Start: 55873, Stop: 56088, Start Num: 2

Candidate Starts for KingMidas_102:

(Start: 2 @55873 has 11 MA's), (3, 55942), (4, 56038), (5, 56062),

Gene: Radiance_100 Start: 55783, Stop: 55998, Start Num: 2

Candidate Starts for Radiance_100:

(Start: 2 @55783 has 11 MA's), (3, 55852), (4, 55948), (5, 55972),

Gene: Scottish_102 Start: 55312, Stop: 55527, Start Num: 2

Candidate Starts for Scottish_102:

(Start: 2 @55312 has 11 MA's), (3, 55381), (4, 55477), (5, 55501),

Gene: ShowerHandel_100 Start: 56049, Stop: 56264, Start Num: 2

Candidate Starts for ShowerHandel_100:

(Start: 2 @56049 has 11 MA's), (3, 56118), (4, 56214), (5, 56238),

Gene: Spikelee_102 Start: 57480, Stop: 57695, Start Num: 2

Candidate Starts for Spikelee_102:

(Start: 2 @57480 has 11 MA's), (3, 57549), (4, 57645), (5, 57669),

Gene: Starcevich_104 Start: 57150, Stop: 57365, Start Num: 2
Candidate Starts for Starcevich_104:
(Start: 2 @57150 has 11 MA's), (3, 57219), (4, 57315), (5, 57339),