



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 216602 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216602 has 19 members, 1 are drafts.

Phages represented in each track:

- Track 1 : WillSterrel_89, Cornucopia_90, PopTart_82, IrishSherpFalk_90, SassyB_82, ThetaBob_91
- Track 2 : KristaRAM_90, Mattes_88, James_92, Spoonbill_87, OlympiaSaint_91, ShiLan_91, ShroomBoi_88, Tchotchke_84, GUmbie_88, Jarcob_91, Krakatau_83, RockyHorror_93
- Track 3 : CaptainTrips_92

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

The start number called the most often in the published annotations is 5, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CaptainTrips_92, Cornucopia_90, GUmbie_88, IrishSherpFalk_90, James_92, Jarcob_91, Krakatau_83, KristaRAM_90, Mattes_88, OlympiaSaint_91, PopTart_82, RockyHorror_93, SassyB_82, ShiLan_91, ShroomBoi_88, Spoonbill_87, Tchotchke_84, ThetaBob_91, WillSterrel_89,

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 5:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CaptainTrips_92 (F1), Cornucopia_90 (F1), GUmbie_88 (F1), IrishSherpFalk_90 (F1), James_92 (F1), Jarcob_91 (F1), Krakatau_83 (F1), KristaRAM_90 (F1), Mattes_88 (F1), OlympiaSaint_91 (F1), PopTart_82 (F1), RockyHorror_93 (F1), SassyB_82 (F1), ShiLan_91 (F1),

ShroomBoi_88 (F1), Spoonbill_87 (F1), Tchotchke_84 (F1), ThetaBob_91 (F4), WillSterrel_89 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F4,

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 17 times for cluster F1.

Info for manual annotations of cluster F4:

- Start number 5 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: CaptainTrips_92 Start: 51288, Stop: 51470, Start Num: 5

Candidate Starts for CaptainTrips_92:

(1, 50991), (2, 51003), (3, 51108), (4, 51120), (Start: 5 @51288 has 18 MA's), (6, 51303), (7, 51306), (8, 51324), (9, 51363), (11, 51459),

Gene: Cornucopia_90 Start: 49525, Stop: 49707, Start Num: 5

Candidate Starts for Cornucopia_90:

(Start: 5 @49525 has 18 MA's), (8, 49561), (9, 49600), (11, 49696),

Gene: GUmble_88 Start: 51105, Stop: 51233, Start Num: 5

Candidate Starts for GUmble_88:

(Start: 5 @51105 has 18 MA's), (8, 51141), (9, 51180), (10, 51222),

Gene: IrishSherpFalk_90 Start: 51867, Stop: 52049, Start Num: 5

Candidate Starts for IrishSherpFalk_90:

(Start: 5 @51867 has 18 MA's), (8, 51903), (9, 51942), (11, 52038),

Gene: James_92 Start: 52796, Stop: 52924, Start Num: 5

Candidate Starts for James_92:

(Start: 5 @52796 has 18 MA's), (8, 52832), (9, 52871), (10, 52913),

Gene: Jarcob_91 Start: 52395, Stop: 52523, Start Num: 5

Candidate Starts for Jarcob_91:

(Start: 5 @52395 has 18 MA's), (8, 52431), (9, 52470), (10, 52512),

Gene: Krakatau_83 Start: 46905, Stop: 47033, Start Num: 5

Candidate Starts for Krakatau_83:

(Start: 5 @46905 has 18 MA's), (8, 46941), (9, 46980), (10, 47022),

Gene: KristaRAM_90 Start: 50693, Stop: 50821, Start Num: 5

Candidate Starts for KristaRAM_90:

(Start: 5 @50693 has 18 MA's), (8, 50729), (9, 50768), (10, 50810),

Gene: Mattes_88 Start: 51528, Stop: 51656, Start Num: 5

Candidate Starts for Mattes_88:

(Start: 5 @51528 has 18 MA's), (8, 51564), (9, 51603), (10, 51645),

Gene: OlympiaSaint_91 Start: 51738, Stop: 51866, Start Num: 5
Candidate Starts for OlympiaSaint_91:
(Start: 5 @51738 has 18 MA's), (8, 51774), (9, 51813), (10, 51855),

Gene: PopTart_82 Start: 48189, Stop: 48371, Start Num: 5
Candidate Starts for PopTart_82:
(Start: 5 @48189 has 18 MA's), (8, 48225), (9, 48264), (11, 48360),

Gene: RockyHorror_93 Start: 51113, Stop: 51241, Start Num: 5
Candidate Starts for RockyHorror_93:
(Start: 5 @51113 has 18 MA's), (8, 51149), (9, 51188), (10, 51230),

Gene: SassyB_82 Start: 48189, Stop: 48371, Start Num: 5
Candidate Starts for SassyB_82:
(Start: 5 @48189 has 18 MA's), (8, 48225), (9, 48264), (11, 48360),

Gene: ShiLan_91 Start: 53251, Stop: 53379, Start Num: 5
Candidate Starts for ShiLan_91:
(Start: 5 @53251 has 18 MA's), (8, 53287), (9, 53326), (10, 53368),

Gene: ShroomBoi_88 Start: 50759, Stop: 50887, Start Num: 5
Candidate Starts for ShroomBoi_88:
(Start: 5 @50759 has 18 MA's), (8, 50795), (9, 50834), (10, 50876),

Gene: Spoonbill_87 Start: 49164, Stop: 49292, Start Num: 5
Candidate Starts for Spoonbill_87:
(Start: 5 @49164 has 18 MA's), (8, 49200), (9, 49239), (10, 49281),

Gene: Tchotchke_84 Start: 49799, Stop: 49927, Start Num: 5
Candidate Starts for Tchotchke_84:
(Start: 5 @49799 has 18 MA's), (8, 49835), (9, 49874), (10, 49916),

Gene: ThetaBob_91 Start: 50297, Stop: 50479, Start Num: 5
Candidate Starts for ThetaBob_91:
(Start: 5 @50297 has 18 MA's), (8, 50333), (9, 50372), (11, 50468),

Gene: WillSterrel_89 Start: 51900, Stop: 52082, Start Num: 5
Candidate Starts for WillSterrel_89:
(Start: 5 @51900 has 18 MA's), (8, 51936), (9, 51975), (11, 52071),