



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 305350 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305350 has 19 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Briakila_41, Mulaychimus_40, Corofin_40, Chandler_40, Olivio_39, Heathcliff_40, MmasiCarm_40, Rita1961_40, Ben11_39, Chalmers_40, OrangeOswald_40, Abinghost_40, Casbah_39, RomaT_40, Akoma_40, ChaChing_40, HarveySr_40, Daisy_40
- Track 2 : Kronus_39

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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_40, Akoma_40, Ben11_39, Briakila_41, Casbah_39, ChaChing_40, Chalmers_40, Chandler_40, Corofin_40, Daisy_40, HarveySr_40, Heathcliff_40, Kronus_39, MmasiCarm_40, Mulaychimus_40, Olivio_39, OrangeOswald_40, Rita1961_40, RomaT_40,

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 3:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_40 (B3), Akoma_40 (B3), Ben11_39 (B3), Briakila_41 (B3), Casbah_39 (B3), ChaChing_40 (B3), Chalmers_40 (B3), Chandler_40 (B3), Corofin_40 (B3), Daisy_40 (B3), HarveySr_40 (B3), Heathcliff_40 (B3), Kronus_39 (B3), MmasiCarm_40 (B3), Mulaychimus_40 (B3), Olivio_39 (B3), OrangeOswald_40 (B3), Rita1961_40 (B3), RomaT_40 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

•Start number 3 was manually annotated 17 times for cluster B3.

Gene Information:

Gene: Abinghost_40 Start: 37346, Stop: 37582, Start Num: 3

Candidate Starts for Abinghost_40:

(1, 36971), (Start: 3 @37346 has 17 MA's), (4, 37469), (5, 37490), (6, 37550), (7, 37559),

Gene: Akoma_40 Start: 37350, Stop: 37586, Start Num: 3

Candidate Starts for Akoma_40:

(1, 36975), (Start: 3 @37350 has 17 MA's), (4, 37473), (5, 37494), (6, 37554), (7, 37563),

Gene: Ben11_39 Start: 37168, Stop: 37404, Start Num: 3

Candidate Starts for Ben11_39:

(1, 36793), (Start: 3 @37168 has 17 MA's), (4, 37291), (5, 37312), (6, 37372), (7, 37381),

Gene: Briakila_41 Start: 38116, Stop: 38352, Start Num: 3

Candidate Starts for Briakila_41:

(1, 37741), (Start: 3 @38116 has 17 MA's), (4, 38239), (5, 38260), (6, 38320), (7, 38329),

Gene: Casbah_39 Start: 37198, Stop: 37434, Start Num: 3

Candidate Starts for Casbah_39:

(1, 36823), (Start: 3 @37198 has 17 MA's), (4, 37321), (5, 37342), (6, 37402), (7, 37411),

Gene: ChaChing_40 Start: 37361, Stop: 37597, Start Num: 3

Candidate Starts for ChaChing_40:

(1, 36986), (Start: 3 @37361 has 17 MA's), (4, 37484), (5, 37505), (6, 37565), (7, 37574),

Gene: Chalmers_40 Start: 38153, Stop: 38389, Start Num: 3

Candidate Starts for Chalmers_40:

(1, 37778), (Start: 3 @38153 has 17 MA's), (4, 38276), (5, 38297), (6, 38357), (7, 38366),

Gene: Chandler_40 Start: 38129, Stop: 38365, Start Num: 3

Candidate Starts for Chandler_40:

(1, 37754), (Start: 3 @38129 has 17 MA's), (4, 38252), (5, 38273), (6, 38333), (7, 38342),

Gene: Corofin_40 Start: 37372, Stop: 37608, Start Num: 3

Candidate Starts for Corofin_40:

(1, 36997), (Start: 3 @37372 has 17 MA's), (4, 37495), (5, 37516), (6, 37576), (7, 37585),

Gene: Daisy_40 Start: 37373, Stop: 37609, Start Num: 3

Candidate Starts for Daisy_40:

(1, 36998), (Start: 3 @37373 has 17 MA's), (4, 37496), (5, 37517), (6, 37577), (7, 37586),

Gene: HarveySr_40 Start: 37333, Stop: 37569, Start Num: 3

Candidate Starts for HarveySr_40:

(1, 36958), (Start: 3 @37333 has 17 MA's), (4, 37456), (5, 37477), (6, 37537), (7, 37546),

Gene: Heathcliff_40 Start: 37311, Stop: 37547, Start Num: 3

Candidate Starts for Heathcliff_40:

(1, 36936), (Start: 3 @37311 has 17 MA's), (4, 37434), (5, 37455), (6, 37515), (7, 37524),

Gene: Kronus_39 Start: 37929, Stop: 38165, Start Num: 3

Candidate Starts for Kronus_39:

(1, 37554), (2, 37842), (Start: 3 @37929 has 17 MA's), (4, 38052), (5, 38073), (6, 38133), (7, 38142),

Gene: MmasiCarm_40 Start: 37332, Stop: 37568, Start Num: 3

Candidate Starts for MmasiCarm_40:

(1, 36957), (Start: 3 @37332 has 17 MA's), (4, 37455), (5, 37476), (6, 37536), (7, 37545),

Gene: Mulaychimus_40 Start: 37314, Stop: 37550, Start Num: 3

Candidate Starts for Mulaychimus_40:

(1, 36939), (Start: 3 @37314 has 17 MA's), (4, 37437), (5, 37458), (6, 37518), (7, 37527),

Gene: Olivio_39 Start: 37201, Stop: 37437, Start Num: 3

Candidate Starts for Olivio_39:

(1, 36826), (Start: 3 @37201 has 17 MA's), (4, 37324), (5, 37345), (6, 37405), (7, 37414),

Gene: OrangeOswald_40 Start: 37349, Stop: 37585, Start Num: 3

Candidate Starts for OrangeOswald_40:

(1, 36974), (Start: 3 @37349 has 17 MA's), (4, 37472), (5, 37493), (6, 37553), (7, 37562),

Gene: Rita1961_40 Start: 37333, Stop: 37569, Start Num: 3

Candidate Starts for Rita1961_40:

(1, 36958), (Start: 3 @37333 has 17 MA's), (4, 37456), (5, 37477), (6, 37537), (7, 37546),

Gene: RomaT_40 Start: 38123, Stop: 38359, Start Num: 3

Candidate Starts for RomaT_40:

(1, 37748), (Start: 3 @38123 has 17 MA's), (4, 38246), (5, 38267), (6, 38327), (7, 38336),