



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 3731 Report

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

Pham number 3731 has 21 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Legacy_59, Bovely_60, Ozzie_59, SunsetPointe_59, Caliburn_59, Nerdos_59, Leviticus_61, Aaronocolus_60, Indigo_59, Esperer_61, Unstoppable_60, Phettuccine_60
- Track 2 : Jash_62, Rusticus_62, Izzy_62, Eddasa_63, EnochSoames_64, BryanRecycles_62, Oliynyk_62
- Track 3 : BeardedLady_60, Hydra_62

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aaronocolus_60, BeardedLady_60, Bovely_60, BryanRecycles_62, Caliburn_59, Eddasa_63, EnochSoames_64, Esperer_61, Hydra_62, Indigo_59, Izzy_62, Jash_62, Legacy_59, Leviticus_61, Nerdos_59, Oliynyk_62, Ozzie_59, Phettuccine_60, Rusticus_62, SunsetPointe_59, Unstoppable_60,

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 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aaronocolus_60 (BD1), BeardedLady_60 (BD1), Bovely_60 (BD1), BryanRecycles_62 (BD1), Caliburn_59 (BD1), Eddasa_63 (BD1), EnochSoames_64 (BD1), Esperer_61 (BD1), Hydra_62 (BD1), Indigo_59 (BD1), Izzy_62 (BD1), Jash_62 (BD1), Legacy_59 (BD1),

Leviticus_61 (BD1), Nerdos_59 (BD1), Oliynyk_62 (BD1), Ozzie_59 (BD1), Phettuccine_60 (BD1), Rusticus_62 (BD1), SunsetPointe_59 (BD1), Unstoppable_60 (BD1),

Summary by clusters:

There is one cluster represented in this pham: BD1

Info for manual annotations of cluster BD1:

- Start number 3 was manually annotated 20 times for cluster BD1.

Gene Information:

Gene: Aaronocolus_60 Start: 42767, Stop: 42579, Start Num: 3

Candidate Starts for Aaronocolus_60:

(Start: 3 @42767 has 20 MA's), (4, 42743), (5, 42731), (6, 42701), (7, 42653), (8, 42602),

Gene: BeardedLady_60 Start: 43141, Stop: 42953, Start Num: 3

Candidate Starts for BeardedLady_60:

(Start: 3 @43141 has 20 MA's), (4, 43117), (5, 43105), (6, 43075), (7, 43027), (8, 42976),

Gene: Bovely_60 Start: 42770, Stop: 42582, Start Num: 3

Candidate Starts for Bovely_60:

(Start: 3 @42770 has 20 MA's), (4, 42746), (5, 42734), (6, 42704), (7, 42656), (8, 42605),

Gene: BryanRecycles_62 Start: 43257, Stop: 43069, Start Num: 3

Candidate Starts for BryanRecycles_62:

(1, 43425), (2, 43365), (Start: 3 @43257 has 20 MA's), (5, 43221), (7, 43143), (8, 43092),

Gene: Caliburn_59 Start: 42871, Stop: 42683, Start Num: 3

Candidate Starts for Caliburn_59:

(Start: 3 @42871 has 20 MA's), (4, 42847), (5, 42835), (6, 42805), (7, 42757), (8, 42706),

Gene: Eddasa_63 Start: 43796, Stop: 43608, Start Num: 3

Candidate Starts for Eddasa_63:

(1, 43964), (2, 43904), (Start: 3 @43796 has 20 MA's), (5, 43760), (7, 43682), (8, 43631),

Gene: EnochSoames_64 Start: 43053, Stop: 42865, Start Num: 3

Candidate Starts for EnochSoames_64:

(1, 43221), (2, 43161), (Start: 3 @43053 has 20 MA's), (5, 43017), (7, 42939), (8, 42888),

Gene: Esperer_61 Start: 43113, Stop: 42925, Start Num: 3

Candidate Starts for Esperer_61:

(Start: 3 @43113 has 20 MA's), (4, 43089), (5, 43077), (6, 43047), (7, 42999), (8, 42948),

Gene: Hydra_62 Start: 43949, Stop: 43761, Start Num: 3

Candidate Starts for Hydra_62:

(Start: 3 @43949 has 20 MA's), (4, 43925), (5, 43913), (6, 43883), (7, 43835), (8, 43784),

Gene: Indigo_59 Start: 42763, Stop: 42575, Start Num: 3

Candidate Starts for Indigo_59:

(Start: 3 @42763 has 20 MA's), (4, 42739), (5, 42727), (6, 42697), (7, 42649), (8, 42598),

Gene: Izzy_62 Start: 43304, Stop: 43116, Start Num: 3

Candidate Starts for Izzy_62:

(1, 43472), (2, 43412), (Start: 3 @43304 has 20 MA's), (5, 43268), (7, 43190), (8, 43139),

Gene: Jash_62 Start: 43257, Stop: 43069, Start Num: 3

Candidate Starts for Jash_62:

(1, 43425), (2, 43365), (Start: 3 @43257 has 20 MA's), (5, 43221), (7, 43143), (8, 43092),

Gene: Legacy_59 Start: 42862, Stop: 42674, Start Num: 3

Candidate Starts for Legacy_59:

(Start: 3 @42862 has 20 MA's), (4, 42838), (5, 42826), (6, 42796), (7, 42748), (8, 42697),

Gene: Leviticus_61 Start: 43300, Stop: 43112, Start Num: 3

Candidate Starts for Leviticus_61:

(Start: 3 @43300 has 20 MA's), (4, 43276), (5, 43264), (6, 43234), (7, 43186), (8, 43135),

Gene: Nerdos_59 Start: 42762, Stop: 42574, Start Num: 3

Candidate Starts for Nerdos_59:

(Start: 3 @42762 has 20 MA's), (4, 42738), (5, 42726), (6, 42696), (7, 42648), (8, 42597),

Gene: Oliynyk_62 Start: 43257, Stop: 43069, Start Num: 3

Candidate Starts for Oliynyk_62:

(1, 43425), (2, 43365), (Start: 3 @43257 has 20 MA's), (5, 43221), (7, 43143), (8, 43092),

Gene: Ozzie_59 Start: 42871, Stop: 42683, Start Num: 3

Candidate Starts for Ozzie_59:

(Start: 3 @42871 has 20 MA's), (4, 42847), (5, 42835), (6, 42805), (7, 42757), (8, 42706),

Gene: Phettuccine_60 Start: 42763, Stop: 42575, Start Num: 3

Candidate Starts for Phettuccine_60:

(Start: 3 @42763 has 20 MA's), (4, 42739), (5, 42727), (6, 42697), (7, 42649), (8, 42598),

Gene: Rusticus_62 Start: 43257, Stop: 43069, Start Num: 3

Candidate Starts for Rusticus_62:

(1, 43425), (2, 43365), (Start: 3 @43257 has 20 MA's), (5, 43221), (7, 43143), (8, 43092),

Gene: SunsetPointe_59 Start: 42878, Stop: 42690, Start Num: 3

Candidate Starts for SunsetPointe_59:

(Start: 3 @42878 has 20 MA's), (4, 42854), (5, 42842), (6, 42812), (7, 42764), (8, 42713),

Gene: Unstoppable_60 Start: 42761, Stop: 42573, Start Num: 3

Candidate Starts for Unstoppable_60:

(Start: 3 @42761 has 20 MA's), (4, 42737), (5, 42725), (6, 42695), (7, 42647), (8, 42596),