



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 305351 Report

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

Pham number 305351 has 19 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Samty_126, BourbonZero_128, Lumos_128, Lolly9_128, Finnry_126, Krypton555_130, Jubie_128, KirDoubleO7_125, Bellis_128, Snenia_127, DuncansLeg_128, Ellson_126, TriFive_129, Red305_129, Jobypre_128, Clautastrophe_127, MiniLon_132
- Track 2 : Whirlwind_129
- Track 3 : MsGreen_129

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

The start number called the most often in the published annotations is 1, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bellis_128, BourbonZero_128, Clautastrophe_127, DuncansLeg_128, Ellson_126, Finnry_126, Jobypre_128, Jubie_128, KirDoubleO7_125, Krypton555_130, Lolly9_128, Lumos_128, MiniLon_132, Red305_129, Samty_126, Snenia_127, TriFive_129, Whirlwind_129,

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

- MsGreen_129,

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

-

Summary by start number:

Start 1:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 15
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Bellis_128 (L3), BourbonZero_128 (L3), Clautastrophe_127 (L3), DuncansLeg_128 (L3), Ellson_126 (L3), Finnry_126 (L3), Jobypre_128 (L3), Jubie_128 (L3), KirDoubleO7_125 (L3), Krypton555_130 (L3), Lolly9_128 (L3), Lumos_128 (L3), MiniLon_132 (L3), Red305_129 (L3), Samty_126

(L3), Snenia_127 (L3), TriFive_129 (L3), Whirlwind_129 (L3),

Start 2:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 5.3% of time when present
- Phage (with cluster) where this start called: MsGreen_129 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:

- Start number 1 was manually annotated 14 times for cluster L3.
- Start number 2 was manually annotated 1 time for cluster L3.

Gene Information:

Gene: Bellis_128 Start: 69290, Stop: 69141, Start Num: 1

Candidate Starts for Bellis_128:

(Start: 1 @69290 has 14 MA's), (Start: 2 @69287 has 1 MA's), (3, 69254), (4, 69245), (5, 69212),

Gene: BourbonZero_128 Start: 69558, Stop: 69409, Start Num: 1

Candidate Starts for BourbonZero_128:

(Start: 1 @69558 has 14 MA's), (Start: 2 @69555 has 1 MA's), (3, 69522), (4, 69513), (5, 69480),

Gene: Clautastrophe_127 Start: 69401, Stop: 69252, Start Num: 1

Candidate Starts for Clautastrophe_127:

(Start: 1 @69401 has 14 MA's), (Start: 2 @69398 has 1 MA's), (3, 69365), (4, 69356), (5, 69323),

Gene: DuncansLeg_128 Start: 69584, Stop: 69435, Start Num: 1

Candidate Starts for DuncansLeg_128:

(Start: 1 @69584 has 14 MA's), (Start: 2 @69581 has 1 MA's), (3, 69548), (4, 69539), (5, 69506),

Gene: Ellson_126 Start: 69840, Stop: 69691, Start Num: 1

Candidate Starts for Ellson_126:

(Start: 1 @69840 has 14 MA's), (Start: 2 @69837 has 1 MA's), (3, 69804), (4, 69795), (5, 69762),

Gene: Finnry_126 Start: 69638, Stop: 69489, Start Num: 1

Candidate Starts for Finnry_126:

(Start: 1 @69638 has 14 MA's), (Start: 2 @69635 has 1 MA's), (3, 69602), (4, 69593), (5, 69560),

Gene: Jobypre_128 Start: 69399, Stop: 69250, Start Num: 1

Candidate Starts for Jobypre_128:

(Start: 1 @69399 has 14 MA's), (Start: 2 @69396 has 1 MA's), (3, 69363), (4, 69354), (5, 69321),

Gene: Jubie_128 Start: 69534, Stop: 69385, Start Num: 1

Candidate Starts for Jubie_128:

(Start: 1 @69534 has 14 MA's), (Start: 2 @69531 has 1 MA's), (3, 69498), (4, 69489), (5, 69456),

Gene: KirDoubleO7_125 Start: 69531, Stop: 69382, Start Num: 1

Candidate Starts for KirDoubleO7_125:

(Start: 1 @69531 has 14 MA's), (Start: 2 @69528 has 1 MA's), (3, 69495), (4, 69486), (5, 69453),

Gene: Krypton555_130 Start: 69780, Stop: 69631, Start Num: 1

Candidate Starts for Krypton555_130:

(Start: 1 @69780 has 14 MA's), (Start: 2 @69777 has 1 MA's), (3, 69744), (4, 69735), (5, 69702),

Gene: Lolly9_128 Start: 69937, Stop: 69788, Start Num: 1

Candidate Starts for Lolly9_128:

(Start: 1 @69937 has 14 MA's), (Start: 2 @69934 has 1 MA's), (3, 69901), (4, 69892), (5, 69859),

Gene: Lumos_128 Start: 69396, Stop: 69247, Start Num: 1

Candidate Starts for Lumos_128:

(Start: 1 @69396 has 14 MA's), (Start: 2 @69393 has 1 MA's), (3, 69360), (4, 69351), (5, 69318),

Gene: MiniLon_132 Start: 69938, Stop: 69789, Start Num: 1

Candidate Starts for MiniLon_132:

(Start: 1 @69938 has 14 MA's), (Start: 2 @69935 has 1 MA's), (3, 69902), (4, 69893), (5, 69860),

Gene: MsGreen_129 Start: 69396, Stop: 69250, Start Num: 2

Candidate Starts for MsGreen_129:

(Start: 1 @69399 has 14 MA's), (Start: 2 @69396 has 1 MA's), (3, 69363), (4, 69354), (5, 69321),

Gene: Red305_129 Start: 69399, Stop: 69250, Start Num: 1

Candidate Starts for Red305_129:

(Start: 1 @69399 has 14 MA's), (Start: 2 @69396 has 1 MA's), (3, 69363), (4, 69354), (5, 69321),

Gene: Samty_126 Start: 69381, Stop: 69232, Start Num: 1

Candidate Starts for Samty_126:

(Start: 1 @69381 has 14 MA's), (Start: 2 @69378 has 1 MA's), (3, 69345), (4, 69336), (5, 69303),

Gene: Snenia_127 Start: 69400, Stop: 69251, Start Num: 1

Candidate Starts for Snenia_127:

(Start: 1 @69400 has 14 MA's), (Start: 2 @69397 has 1 MA's), (3, 69364), (4, 69355), (5, 69322),

Gene: TriFive_129 Start: 69512, Stop: 69363, Start Num: 1

Candidate Starts for TriFive_129:

(Start: 1 @69512 has 14 MA's), (Start: 2 @69509 has 1 MA's), (3, 69476), (4, 69467), (5, 69434),

Gene: Whirlwind_129 Start: 69872, Stop: 69723, Start Num: 1

Candidate Starts for Whirlwind_129:

(Start: 1 @69872 has 14 MA's), (Start: 2 @69869 has 1 MA's), (4, 69827), (5, 69794),