



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 3883 Report

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

Pham number 3883 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Quico_99, Florinda_102, Girafales_99
- Track 2 : KristaRAM_93, JoeyJr_93, Rockne_93, Sassafras_92, UncleRicky_90, BodEinwohner17_100, DirtMcgirt_91, Inventum_88, Enby_94, PMC_89, Boomer_93, Dorothy_91, Lorde_93, RedBird_91, Drago_89, Leperchaun_92
- Track 3 : Eish_98

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

Genes that call this "Most Annotated" start:

- BodEinwohner17_100, Boomer_93, DirtMcgirt_91, Dorothy_91, Drago_89, Enby_94, Inventum_88, JoeyJr_93, KristaRAM_93, Leperchaun_92, Lorde_93, PMC_89, RedBird_91, Rockne_93, Sassafras_92, UncleRicky_90,

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

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

- Eish_98, Florinda_102, Girafales_99, Quico_99,

Summary by start number:

Start 2:

- Found in 16 of 20 (80.0%) of genes in pham
- Manual Annotations of this start: 16 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_100 (F1), Boomer_93 (F1), DirtMcgirt_91 (F1), Dorothy_91 (F1), Drago_89 (F1), Enby_94 (F1), Inventum_88 (F1), JoeyJr_93 (F1), KristaRAM_93 (F1), Leperchaun_92 (F1), Lorde_93 (F1), PMC_89 (F1), RedBird_91 (F1), Rockne_93 (F1), Sassafras_92 (F1), UncleRicky_90 (F1),

Start 5:

- Found in 3 of 20 (15.0%) of genes in pham
- Manual Annotations of this start: 3 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Florinda_102 (F1), Girafales_99 (F1), Quico_99 (F1),

Start 6:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eish_98 (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 16 times for cluster F1.
- Start number 5 was manually annotated 3 times for cluster F1.
- Start number 6 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: BodEinwohner17_100 Start: 53848, Stop: 54123, Start Num: 2

Candidate Starts for BodEinwohner17_100:

(Start: 2 @53848 has 16 MA's), (3, 53869), (4, 53890), (7, 53908), (8, 53941), (9, 53959), (10, 53962),

Gene: Boomer_93 Start: 52083, Stop: 52358, Start Num: 2

Candidate Starts for Boomer_93:

(Start: 2 @52083 has 16 MA's), (3, 52104), (4, 52125), (7, 52143), (8, 52176), (9, 52194), (10, 52197),

Gene: DirtMcgirt_91 Start: 48693, Stop: 48968, Start Num: 2

Candidate Starts for DirtMcgirt_91:

(Start: 2 @48693 has 16 MA's), (3, 48714), (4, 48735), (7, 48753), (8, 48786), (9, 48804), (10, 48807),

Gene: Dorothy_91 Start: 53034, Stop: 53309, Start Num: 2

Candidate Starts for Dorothy_91:

(Start: 2 @53034 has 16 MA's), (3, 53055), (4, 53076), (7, 53094), (8, 53127), (9, 53145), (10, 53148),

Gene: Drago_89 Start: 48696, Stop: 48971, Start Num: 2

Candidate Starts for Drago_89:

(Start: 2 @48696 has 16 MA's), (3, 48717), (4, 48738), (7, 48756), (8, 48789), (9, 48807), (10, 48810),

Gene: Eish_98 Start: 53022, Stop: 53249, Start Num: 6

Candidate Starts for Eish_98:

(1, 52932), (Start: 6 @53022 has 1 MA's), (7, 53040), (8, 53073), (9, 53091), (10, 53094), (11, 53160),

Gene: Enby_94 Start: 48972, Stop: 49247, Start Num: 2

Candidate Starts for Enby_94:

(Start: 2 @48972 has 16 MA's), (3, 48993), (4, 49014), (7, 49032), (8, 49065), (9, 49083), (10, 49086),

Gene: Florinda_102 Start: 53347, Stop: 53580, Start Num: 5

Candidate Starts for Florinda_102:

(Start: 5 @53347 has 3 MA's), (7, 53365), (8, 53398), (9, 53416), (10, 53419),

Gene: Girafales_99 Start: 52952, Stop: 53185, Start Num: 5

Candidate Starts for Girafales_99:

(Start: 5 @52952 has 3 MA's), (7, 52970), (8, 53003), (9, 53021), (10, 53024),

Gene: Inventum_88 Start: 51219, Stop: 51494, Start Num: 2

Candidate Starts for Inventum_88:

(Start: 2 @51219 has 16 MA's), (3, 51240), (4, 51261), (7, 51279), (8, 51312), (9, 51330), (10, 51333),

Gene: JoeyJr_93 Start: 53127, Stop: 53402, Start Num: 2

Candidate Starts for JoeyJr_93:

(Start: 2 @53127 has 16 MA's), (3, 53148), (4, 53169), (7, 53187), (8, 53220), (9, 53238), (10, 53241),

Gene: KristaRAM_93 Start: 51257, Stop: 51532, Start Num: 2

Candidate Starts for KristaRAM_93:

(Start: 2 @51257 has 16 MA's), (3, 51278), (4, 51299), (7, 51317), (8, 51350), (9, 51368), (10, 51371),

Gene: Leperchaun_92 Start: 52361, Stop: 52636, Start Num: 2

Candidate Starts for Leperchaun_92:

(Start: 2 @52361 has 16 MA's), (3, 52382), (4, 52403), (7, 52421), (8, 52454), (9, 52472), (10, 52475),

Gene: Lorde_93 Start: 48137, Stop: 48412, Start Num: 2

Candidate Starts for Lorde_93:

(Start: 2 @48137 has 16 MA's), (3, 48158), (4, 48179), (7, 48197), (8, 48230), (9, 48248), (10, 48251),

Gene: PMC_89 Start: 50307, Stop: 50582, Start Num: 2

Candidate Starts for PMC_89:

(Start: 2 @50307 has 16 MA's), (3, 50328), (4, 50349), (7, 50367), (8, 50400), (9, 50418), (10, 50421),

Gene: Quico_99 Start: 53167, Stop: 53400, Start Num: 5

Candidate Starts for Quico_99:

(Start: 5 @53167 has 3 MA's), (7, 53185), (8, 53218), (9, 53236), (10, 53239),

Gene: RedBird_91 Start: 52904, Stop: 53179, Start Num: 2

Candidate Starts for RedBird_91:

(Start: 2 @52904 has 16 MA's), (3, 52925), (4, 52946), (7, 52964), (8, 52997), (9, 53015), (10, 53018),

Gene: Rockne_93 Start: 50319, Stop: 50594, Start Num: 2

Candidate Starts for Rockne_93:

(Start: 2 @50319 has 16 MA's), (3, 50340), (4, 50361), (7, 50379), (8, 50412), (9, 50430), (10, 50433),

Gene: Sassafras_92 Start: 51218, Stop: 51493, Start Num: 2

Candidate Starts for Sassafras_92:

(Start: 2 @51218 has 16 MA's), (3, 51239), (4, 51260), (7, 51278), (8, 51311), (9, 51329), (10, 51332),

Gene: UncleRicky_90 Start: 50193, Stop: 50468, Start Num: 2

Candidate Starts for UncleRicky_90:

(Start: 2 @50193 has 16 MA's), (3, 50214), (4, 50235), (7, 50253), (8, 50286), (9, 50304), (10, 50307),