



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 86529 Report

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

Pham number 86529 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Atkinbua_44, Seabiscuit_44, Barriga_43, Marsha_43, PinkPlastic_41, Slagathor_43, Ichabod_43, Bethlehem_42, Switzer_43, TwoPeat_42, Rhynn_42, BeesKnees_43, McGuire_43, Dynamix_43, Nhonho_43, Hope4ever_44, DreamCatcher_45, Rajelicia_42, PascalRango_43, Manatee_43, KSSJEB_41, Scowl_43, Arcanine_42
- Track 2 : Tripl3t_43

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 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcanine_42, Atkinbua_44, Barriga_43, BeesKnees_43, Bethlehem_42, DreamCatcher_45, Dynamix_43, Hope4ever_44, Ichabod_43, KSSJEB_41, Manatee_43, Marsha_43, McGuire_43, Nhonho_43, PascalRango_43, PinkPlastic_41, Rajelicia_42, Rhynn_42, Scowl_43, Seabiscuit_44, Slagathor_43, Switzer_43, TwoPeat_42,

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

- Tripl3t_43,

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

-

Summary by start number:

Start 1:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tripl3t_43 (A1),

Start 3:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 23
- Called 95.8% of time when present
- Phage (with cluster) where this start called: Arcanine_42 (A1), Atkinbua_44 (A1), Barriga_43 (A1), BeesKnees_43 (A1), Bethlehem_42 (A1), DreamCatcher_45 (A1), Dynamix_43 (A1), Hope4ever_44 (A1), Ichabod_43 (A1), KSSJEB_41 (A1), Manatee_43 (A1), Marsha_43 (A1), McGuire_43 (A1), Nhonho_43 (A1), PascalRango_43 (A1), PinkPlastic_41 (A1), Rajelicia_42 (A1), Rhynn_42 (A1), Scowl_43 (A1), Seabiscuit_44 (A1), Slagathor_43 (A1), Switzer_43 (A1), TwoPeat_42 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 1 time for cluster A1.
- Start number 3 was manually annotated 22 times for cluster A1.

Gene Information:

Gene: Arcanine_42 Start: 31597, Stop: 31346, Start Num: 3

Candidate Starts for Arcanine_42:

(Start: 3 @31597 has 22 MA's), (4, 31474), (5, 31363),

Gene: Atkinbua_44 Start: 32589, Stop: 32338, Start Num: 3

Candidate Starts for Atkinbua_44:

(Start: 3 @32589 has 22 MA's), (4, 32466), (5, 32355),

Gene: Barriga_43 Start: 32079, Stop: 31828, Start Num: 3

Candidate Starts for Barriga_43:

(Start: 3 @32079 has 22 MA's), (4, 31956), (5, 31845),

Gene: BeesKnees_43 Start: 32165, Stop: 31914, Start Num: 3

Candidate Starts for BeesKnees_43:

(Start: 3 @32165 has 22 MA's), (4, 32042), (5, 31931),

Gene: Bethlehem_42 Start: 32838, Stop: 32587, Start Num: 3

Candidate Starts for Bethlehem_42:

(Start: 3 @32838 has 22 MA's), (4, 32715), (5, 32604),

Gene: DreamCatcher_45 Start: 33472, Stop: 33221, Start Num: 3

Candidate Starts for DreamCatcher_45:

(Start: 3 @33472 has 22 MA's), (4, 33349), (5, 33238),

Gene: Dynamix_43 Start: 32151, Stop: 31900, Start Num: 3

Candidate Starts for Dynamix_43:

(Start: 3 @32151 has 22 MA's), (4, 32028), (5, 31917),

Gene: Hope4ever_44 Start: 32897, Stop: 32646, Start Num: 3

Candidate Starts for Hope4ever_44:

(Start: 3 @32897 has 22 MA's), (4, 32774), (5, 32663),

Gene: Ichabod_43 Start: 32283, Stop: 32032, Start Num: 3

Candidate Starts for Ichabod_43:

(Start: 3 @32283 has 22 MA's), (4, 32160), (5, 32049),

Gene: KSSJEB_41 Start: 31920, Stop: 31669, Start Num: 3

Candidate Starts for KSSJEB_41:

(Start: 3 @31920 has 22 MA's), (4, 31797), (5, 31686),

Gene: Manatee_43 Start: 31797, Stop: 31546, Start Num: 3

Candidate Starts for Manatee_43:

(Start: 3 @31797 has 22 MA's), (4, 31674), (5, 31563),

Gene: Marsha_43 Start: 33553, Stop: 33302, Start Num: 3

Candidate Starts for Marsha_43:

(Start: 3 @33553 has 22 MA's), (4, 33430), (5, 33319),

Gene: McGuire_43 Start: 32138, Stop: 31887, Start Num: 3

Candidate Starts for McGuire_43:

(Start: 3 @32138 has 22 MA's), (4, 32015), (5, 31904),

Gene: Nhonho_43 Start: 32823, Stop: 32572, Start Num: 3

Candidate Starts for Nhonho_43:

(Start: 3 @32823 has 22 MA's), (4, 32700), (5, 32589),

Gene: PascalRango_43 Start: 32207, Stop: 31956, Start Num: 3

Candidate Starts for PascalRango_43:

(Start: 3 @32207 has 22 MA's), (4, 32084), (5, 31973),

Gene: PinkPlastic_41 Start: 31909, Stop: 31658, Start Num: 3

Candidate Starts for PinkPlastic_41:

(Start: 3 @31909 has 22 MA's), (4, 31786), (5, 31675),

Gene: Rajelicia_42 Start: 32259, Stop: 32008, Start Num: 3

Candidate Starts for Rajelicia_42:

(Start: 3 @32259 has 22 MA's), (4, 32136), (5, 32025),

Gene: Rhynn_42 Start: 32274, Stop: 32023, Start Num: 3

Candidate Starts for Rhynn_42:

(Start: 3 @32274 has 22 MA's), (4, 32151), (5, 32040),

Gene: Scowl_43 Start: 32982, Stop: 32731, Start Num: 3

Candidate Starts for Scowl_43:

(Start: 3 @32982 has 22 MA's), (4, 32859), (5, 32748),

Gene: Seabiscuit_44 Start: 32134, Stop: 31883, Start Num: 3

Candidate Starts for Seabiscuit_44:

(Start: 3 @32134 has 22 MA's), (4, 32011), (5, 31900),

Gene: Slagathor_43 Start: 32184, Stop: 31933, Start Num: 3

Candidate Starts for Slagathor_43:

(Start: 3 @32184 has 22 MA's), (4, 32061), (5, 31950),

Gene: Switzer_43 Start: 32200, Stop: 31949, Start Num: 3

Candidate Starts for Switzer_43:

(Start: 3 @32200 has 22 MA's), (4, 32077), (5, 31966),

Gene: Tripl3t_43 Start: 33214, Stop: 32939, Start Num: 1

Candidate Starts for Tripl3t_43:

(Start: 1 @33214 has 1 MA's), (2, 33208), (Start: 3 @33190 has 22 MA's), (4, 33067), (5, 32956),

Gene: TwoPeat_42 Start: 32490, Stop: 32239, Start Num: 3

Candidate Starts for TwoPeat_42:

(Start: 3 @32490 has 22 MA's), (4, 32367), (5, 32256),