Pham 87123

1: RoadKill_47 + 6

2: Dexdert_50

3: Natkenzie_53 + 4

4: Delrey21_53 + 2

5: Tardus_55 + 1

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 87123 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87123 has 18 members, 5 are drafts.

Phages represented in each track:
• Track 1 : RoadKill_47, GTE6_49, Twonlo_47, Kwekel_49, Chickadee_49, Tiamoceli_50, EdmundFerry_48
• Track 2 : Dexdert_50
• Track 3 : Natkenzie_53, Scioto_54, Zipp_54, Zitch_56, Abblin_53
• Track 4 : Delrey21_53, Verity_53, DoctorFroggo_53
• Track 5 : Tardus_55, ViaConlectus_53

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 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chickadee_49, Delrey21_53, Dexdert_50, DoctorFroggo_53, EdmundFerry_48, GTE6_49, Kwekel_49, RoadKill_47, Tiamoceli_50, Twonlo_47, Verity_53,

Genes that have the "Most Annotated" start but do not call it:
• Abblin_53, Natkenzie_53, Scioto_54, Tardus_55, ViaConlectus_53, Zipp_54, Zitch_56,

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

Summary by start number:

Start 2:
• Found in 10 of 18 (55.6%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Abblin_53 (DE4), Natkenzie_53 (DE4), Scioto_54 (DE4), Tardus_55 (DE4), ViaConlectus_53 (DE4), Zipp_54 (DE4), Zitch_56 (DE4),

Start 3:

• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 61.1% of time when present
• Phage (with cluster) where this start called: Chickadee_49 (DE3), Delrey21_53 (DE4), Dexdert_50 (DE3), DoctorFroggo_53 (DE4), EdmundFerry_48 (DE3), GTE6_49 (DE3), Kwekel_49 (DE3), RoadKill_47 (DE3), Tiamoceli_50 (DE3), Twonlo_47 (DE3), Verity_53 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DE3, DE4,

Info for manual annotations of cluster DE3:
•Start number 3 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 2 was manually annotated 4 times for cluster DE4.
•Start number 3 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: Abblin_53 Start: 45152, Stop: 45307, Start Num: 2
Candidate Starts for Abblin_53:
(1, 45062), (Start: 2 @45152 has 4 MA's), (Start: 3 @45158 has 9 MA's), (4, 45209), (5, 45236),

Gene: Chickadee_49 Start: 40957, Stop: 41103, Start Num: 3
Candidate Starts for Chickadee_49:
(1, 40861), (Start: 3 @40957 has 9 MA's), (4, 41002),

Gene: Delrey21_53 Start: 45929, Stop: 46078, Start Num: 3
Candidate Starts for Delrey21_53:
(1, 45833), (Start: 2 @45923 has 4 MA's), (Start: 3 @45929 has 9 MA's), (4, 45980), (5, 46007),

Gene: Dexdert_50 Start: 41240, Stop: 41383, Start Num: 3
Candidate Starts for Dexdert_50:
(1, 41147), (Start: 3 @41240 has 9 MA's), (4, 41285),

Gene: DoctorFroggo_53 Start: 45929, Stop: 46078, Start Num: 3
Candidate Starts for DoctorFroggo_53:
(1, 45833), (Start: 2 @45923 has 4 MA's), (Start: 3 @45929 has 9 MA's), (4, 45980), (5, 46007),

Gene: EdmundFerry_48 Start: 41025, Stop: 41171, Start Num: 3
Candidate Starts for EdmundFerry_48:
(1, 40929), (Start: 3 @41025 has 9 MA's), (4, 41070),

Gene: GTE6_49 Start: 41493, Stop: 41639, Start Num: 3
Candidate Starts for GTE6_49:
(1, 41397), (Start: 3 @41493 has 9 MA's), (4, 41538),

Gene: Kwekel_49 Start: 40918, Stop: 41064, Start Num: 3
Candidate Starts for Kwekel_49:

(1, 40822), (Start: 3 @40918 has 9 MA's), (4, 40963),

Gene: Natkenzie_53 Start: 45152, Stop: 45307, Start Num: 2
Candidate Starts for Natkenzie_53:
(1, 45062), (Start: 2 @45152 has 4 MA's), (Start: 3 @45158 has 9 MA's), (4, 45209), (5, 45236),

Gene: RoadKill_47 Start: 40523, Stop: 40669, Start Num: 3
Candidate Starts for RoadKill_47:
(1, 40427), (Start: 3 @40523 has 9 MA's), (4, 40568),

Gene: Scioto_54 Start: 45153, Stop: 45308, Start Num: 2
Candidate Starts for Scioto_54:
(1, 45063), (Start: 2 @45153 has 4 MA's), (Start: 3 @45159 has 9 MA's), (4, 45210), (5, 45237),

Gene: Tardus_55 Start: 44854, Stop: 45009, Start Num: 2
Candidate Starts for Tardus_55:
(1, 44764), (Start: 2 @44854 has 4 MA's), (Start: 3 @44860 has 9 MA's), (4, 44911),

Gene: Tiamoceli_50 Start: 41814, Stop: 41960, Start Num: 3
Candidate Starts for Tiamoceli_50:
(1, 41718), (Start: 3 @41814 has 9 MA's), (4, 41859),

Gene: Twonlo_47 Start: 40444, Stop: 40590, Start Num: 3
Candidate Starts for Twonlo_47:
(1, 40348), (Start: 3 @40444 has 9 MA's), (4, 40489),

Gene: Verity_53 Start: 45929, Stop: 46078, Start Num: 3
Candidate Starts for Verity_53:
(1, 45833), (Start: 2 @45923 has 4 MA's), (Start: 3 @45929 has 9 MA's), (4, 45980), (5, 46007),

Gene: ViaConlectus_53 Start: 43806, Stop: 43961, Start Num: 2
Candidate Starts for ViaConlectus_53:
(1, 43716), (Start: 2 @43806 has 4 MA's), (Start: 3 @43812 has 9 MA's), (4, 43863),

Gene: Zipp_54 Start: 45838, Stop: 45993, Start Num: 2
Candidate Starts for Zipp_54:
(1, 45748), (Start: 2 @45838 has 4 MA's), (Start: 3 @45844 has 9 MA's), (4, 45895), (5, 45922),

Gene: Zitch_56 Start: 43961, Stop: 44116, Start Num: 2
Candidate Starts for Zitch_56:
(1, 43871), (Start: 2 @43961 has 4 MA's), (Start: 3 @43967 has 9 MA's), (4, 44018), (5, 44045),