Pham 87429


5
1: GTE5_77 + 1
2
3
4
2: GRU1_79
2
3
4
3: Dalilpop_92 + 1
1
4
4: Patio_90 + 3
4
5: Rabbitrun_137

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 87429 Report

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

Pham number 87429 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GTE5_77, Turuncu_93
• Track 2 : GRU1_79
• Track 3 : Dalilpop_92, Flapper_93
• Track 4 : Patio_90, Float294_91, Ennea_97, Lollipop1437_92
• Track 5 : Rabbitrun_137

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dalilpop_92, Ennea_97, Flapper_93, Float294_91, GRU1_79, Lollipop1437_92, Patio_90, Rabbitrun_137,

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:
• GTE5_77, Turuncu_93,

Summary by start number:

Start 4:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dalilpop_92 (CR1), Ennea_97 (CR3), Flapper_93 (CR1), Float294_91 (CR3), GRU1_79 (CR1), Lollipop1437_92 (CR3), Patio_90 (CR3), Rabbitrun_137 (DU2),

Start 5:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GTE5_77 (CR1), Turuncu_93 (CR1),

Summary by clusters:

There are 3 clusters represented in this pham: CR3, DU2, CR1,

Info for manual annotations of cluster CR1:
•Start number 4 was manually annotated 2 times for cluster CR1.
•Start number 5 was manually annotated 1 time for cluster CR1.

Info for manual annotations of cluster CR3:
•Start number 4 was manually annotated 4 times for cluster CR3.

Info for manual annotations of cluster DU2:
•Start number 4 was manually annotated 1 time for cluster DU2.

Gene Information:

Gene: Dalilpop_92 Start: 65104, Stop: 65217, Start Num: 4
Candidate Starts for Dalilpop_92:
(2, 65062), (3, 65071), (Start: 4 @65104 has 7 MA's),

Gene: Ennea_97 Start: 66248, Stop: 66361, Start Num: 4
Candidate Starts for Ennea_97:
(1, 66182), (Start: 4 @66248 has 7 MA's),

Gene: Flapper_93 Start: 65618, Stop: 65731, Start Num: 4
Candidate Starts for Flapper_93:
(2, 65576), (3, 65585), (Start: 4 @65618 has 7 MA's),

Gene: Float294_91 Start: 66189, Stop: 66302, Start Num: 4
Candidate Starts for Float294_91:
(1, 66123), (Start: 4 @66189 has 7 MA's),

Gene: GRU1_79 Start: 57203, Stop: 57316, Start Num: 4
Candidate Starts for GRU1_79:
(2, 57161), (3, 57170), (Start: 4 @57203 has 7 MA's),

Gene: GTE5_77 Start: 57468, Stop: 57581, Start Num: 5
Candidate Starts for GTE5_77:
(Start: 5 @57468 has 1 MA's),

Gene: Lollipop1437_92 Start: 65927, Stop: 66040, Start Num: 4
Candidate Starts for Lollipop1437_92:
(1, 65861), (Start: 4 @65927 has 7 MA's),

Gene: Patio_90 Start: 65185, Stop: 65298, Start Num: 4
Candidate Starts for Patio_90:
(1, 65119), (Start: 4 @65185 has 7 MA's),

Gene: Rabbitrun_137 Start: 75095, Stop: 74979, Start Num: 4
Candidate Starts for Rabbitrun_137:
(Start: 4 @75095 has 7 MA's),

Gene: Turuncu_93 Start: 65229, Stop: 65342, Start Num: 5
Candidate Starts for Turuncu_93:
(Start: 5 @65229 has 1 MA's),