Pham 4881


4
10
12
14
15
16
19
20
1: Predator_65
4
7
11
13
14
15
2: Phreeze_63 + 7
4
7
13
14
15
3: Puissant_66
3
5
14
17
4: Barnyard_70
1
3
5
8
9
14
18
5: DrLupo_72
2
6
6: Madruga_77 + 2

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 4881 Report

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

Pham number 4881 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Predator_65
• Track 2 : Phreeze_63, Damien_64, Oaker_64, Cborch11_66, Beckerton_63, Thumb_65, Konstantine_68, Megatron06_67
• Track 3 : Puissant_66
• Track 4 : Barnyard_70
• Track 5 : DrLupo_72
• Track 6 : Madruga_77, Patience_79, Labelle_78

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

Genes that call this "Most Annotated" start:
• Beckerton_63, Cborch11_66, Damien_64, Konstantine_68, Megatron06_67, Oaker_64, Phreeze_63, Predator_65, Puissant_66, Thumb_65,

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:
• Barnyard_70, DrLupo_72, Labelle_78, Madruga_77, Patience_79,

Summary by start number:

Start 1:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrLupo_72 (H2),

Start 2:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 13

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Labelle_78 (U), Madruga_77 (U), Patience_79 (U),

Start 3:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Barnyard_70 (H2),

Start 4:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 8 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_63 (H1), Cborch11_66 (H1), Damien_64 (H1), Konstantine_68 (H1), Megatron06_67 (H1), Oaker_64 (H1), Phreeze_63 (H1), Predator_65 (H1), Puissant_66 (H1), Thumb_65 (H1),

Summary by clusters:

There are 3 clusters represented in this pham: H2, H1, U,

Info for manual annotations of cluster H1:
•Start number 4 was manually annotated 8 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 1 was manually annotated 1 time for cluster H2.
•Start number 3 was manually annotated 1 time for cluster H2.

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

Gene Information:

Gene: Barnyard_70 Start: 48465, Stop: 48998, Start Num: 3
Candidate Starts for Barnyard_70:
(Start: 3 @48465 has 1 MA's), (5, 48492), (14, 48837), (17, 48912),

Gene: Beckerton_63 Start: 49410, Stop: 49955, Start Num: 4
Candidate Starts for Beckerton_63:
(Start: 4 @49410 has 8 MA's), (7, 49446), (11, 49596), (13, 49722), (14, 49761), (15, 49785),

Gene: Cborch11_66 Start: 48929, Stop: 49474, Start Num: 4
Candidate Starts for Cborch11_66:
(Start: 4 @48929 has 8 MA's), (7, 48965), (11, 49115), (13, 49241), (14, 49280), (15, 49304),

Gene: Damien_64 Start: 48891, Stop: 49436, Start Num: 4
Candidate Starts for Damien_64:
(Start: 4 @48891 has 8 MA's), (7, 48927), (11, 49077), (13, 49203), (14, 49242), (15, 49266),

Gene: DrLupo_72 Start: 49572, Stop: 50156, Start Num: 1

Candidate Starts for DrLupo_72:
(Start: 1 @49572 has 1 MA's), (Start: 3 @49629 has 1 MA's), (5, 49656), (8, 49689), (9, 49812), (14, 50001), (18, 50085),

Gene: Konstantine_68 Start: 49722, Stop: 50267, Start Num: 4
Candidate Starts for Konstantine_68:
(Start: 4 @49722 has 8 MA's), (7, 49758), (11, 49908), (13, 50034), (14, 50073), (15, 50097),

Gene: Labelle_78 Start: 51805, Stop: 52359, Start Num: 2
Candidate Starts for Labelle_78:
(Start: 2 @51805 has 3 MA's), (6, 51859),

Gene: Madruga_77 Start: 51768, Stop: 52313, Start Num: 2
Candidate Starts for Madruga_77:
(Start: 2 @51768 has 3 MA's), (6, 51822),

Gene: Megatron06_67 Start: 49468, Stop: 50013, Start Num: 4
Candidate Starts for Megatron06_67:
(Start: 4 @49468 has 8 MA's), (7, 49504), (11, 49654), (13, 49780), (14, 49819), (15, 49843),

Gene: Oaker_64 Start: 49488, Stop: 50033, Start Num: 4
Candidate Starts for Oaker_64:
(Start: 4 @49488 has 8 MA's), (7, 49524), (11, 49674), (13, 49800), (14, 49839), (15, 49863),

Gene: Patience_79 Start: 52672, Stop: 53226, Start Num: 2
Candidate Starts for Patience_79:
(Start: 2 @52672 has 3 MA's), (6, 52726),

Gene: Phreeze_63 Start: 48488, Stop: 49033, Start Num: 4
Candidate Starts for Phreeze_63:
(Start: 4 @48488 has 8 MA's), (7, 48524), (11, 48674), (13, 48800), (14, 48839), (15, 48863),

Gene: Predator_65 Start: 48054, Stop: 48638, Start Num: 4
Candidate Starts for Predator_65:
(Start: 4 @48054 has 8 MA's), (10, 48267), (12, 48306), (14, 48441), (15, 48465), (16, 48483), (19, 48558), (20, 48588),

Gene: Puissant_66 Start: 48583, Stop: 49125, Start Num: 4
Candidate Starts for Puissant_66:
(Start: 4 @48583 has 8 MA's), (7, 48622), (13, 48898), (14, 48937), (15, 48961),

Gene: Thumb_65 Start: 48923, Stop: 49468, Start Num: 4
Candidate Starts for Thumb_65:
(Start: 4 @48923 has 8 MA's), (7, 48959), (11, 49109), (13, 49235), (14, 49274), (15, 49298),