Pham 87345

3
4
6
12
13
14
17
1: Zeigle_69 + 2
2
7
10
13
2: Dennebes_75
3
4
15
3: RetrieverFever_67 + 5
4
5
9
16
4: Manuel_68
1
3
5
8
11
5: RosePharie_72
2
7
10
13
15
6: Rideau_74

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 87345 Report

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

Pham number 87345 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Zeigle_69, Kumquat_69, WRightOn_73
• Track 2 : Dennebes_75
• Track 3 : RetrieverFever_67, FlowerPower_67, Vorvolakos_68, Fabian_66, Gremlin23_67, Geostin_62
• Track 4 : Manuel_68
• Track 5 : RosePharie_72
• Track 6 : Rideau_74

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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fabian_66, FlowerPower_67, Geostin_62, Gremlin23_67, Kumquat_69, RetrieverFever_67, Vorvolakos_68, WRightOn_73, Zeigle_69,

Genes that have the "Most Annotated" start but do not call it:
• Manuel_68,

Genes that do not have the "Most Annotated" start:
• Dennebes_75, Rideau_74, RosePharie_72,

Summary by start number:

Start 2:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dennebes_75 (BF), Rideau_74 (BF),

Start 4:
• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 8 of 11

• Called 90.0% of time when present
• Phage (with cluster) where this start called: Fabian_66 (BF), FlowerPower_67 (BF), Geostin_62 (BF), Gremlin23_67 (BF), Kumquat_69 (BF), RetrieverFever_67 (BF), Vorvolakos_68 (BF), WRightOn_73 (BF), Zeigle_69 (BF),

Start 5:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Manuel_68 (BF), RosePharie_72 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 2 was manually annotated 1 time for cluster BF.
•Start number 4 was manually annotated 8 times for cluster BF.
•Start number 5 was manually annotated 2 times for cluster BF.

Gene Information:

Gene: Dennebes_75 Start: 37191, Stop: 37033, Start Num: 2
Candidate Starts for Dennebes_75:
(Start: 2 @37191 has 1 MA's), (7, 37116), (10, 37089), (13, 37071),

Gene: Fabian_66 Start: 36688, Stop: 36566, Start Num: 4
Candidate Starts for Fabian_66:
(3, 36697), (Start: 4 @36688 has 8 MA's), (15, 36592),

Gene: FlowerPower_67 Start: 36358, Stop: 36236, Start Num: 4
Candidate Starts for FlowerPower_67:
(3, 36367), (Start: 4 @36358 has 8 MA's), (15, 36262),

Gene: Geostin_62 Start: 36358, Stop: 36236, Start Num: 4
Candidate Starts for Geostin_62:
(3, 36367), (Start: 4 @36358 has 8 MA's), (15, 36262),

Gene: Gremlin23_67 Start: 36358, Stop: 36236, Start Num: 4
Candidate Starts for Gremlin23_67:
(3, 36367), (Start: 4 @36358 has 8 MA's), (15, 36262),

Gene: Kumquat_69 Start: 36233, Stop: 36111, Start Num: 4
Candidate Starts for Kumquat_69:
(3, 36242), (Start: 4 @36233 has 8 MA's), (6, 36215), (12, 36152), (13, 36149), (14, 36146), (17, 36122),

Gene: Manuel_68 Start: 36565, Stop: 36449, Start Num: 5
Candidate Starts for Manuel_68:
(Start: 4 @36571 has 8 MA's), (Start: 5 @36565 has 2 MA's), (9, 36514), (16, 36472),

Gene: RetrieverFever_67 Start: 36358, Stop: 36236, Start Num: 4
Candidate Starts for RetrieverFever_67:
(3, 36367), (Start: 4 @36358 has 8 MA's), (15, 36262),

Gene: Rideau_74 Start: 37082, Stop: 36924, Start Num: 2
Candidate Starts for Rideau_74:
(Start: 2 @37082 has 1 MA's), (7, 37007), (10, 36980), (13, 36962), (15, 36950),

Gene: RosePharie_72 Start: 37040, Stop: 36915, Start Num: 5
Candidate Starts for RosePharie_72:
(1, 37133), (3, 37055), (Start: 5 @37040 has 2 MA's), (8, 36992), (11, 36968),

Gene: Vorvolakos_68 Start: 36357, Stop: 36235, Start Num: 4
Candidate Starts for Vorvolakos_68:
(3, 36366), (Start: 4 @36357 has 8 MA's), (15, 36261),

Gene: WRightOn_73 Start: 36389, Stop: 36267, Start Num: 4
Candidate Starts for WRightOn_73:
(3, 36398), (Start: 4 @36389 has 8 MA's), (6, 36371), (12, 36308), (13, 36305), (14, 36302), (17, 36278),

Gene: Zeigle_69 Start: 36233, Stop: 36111, Start Num: 4
Candidate Starts for Zeigle_69:
(3, 36242), (Start: 4 @36233 has 8 MA's), (6, 36215), (12, 36152), (13, 36149), (14, 36146), (17, 36122),