Pham 216969


4
6
7
9
11
12
15
17
1: BearBQ_49
3
5
6
8
9
10
13
16
2: Lutum_56
4
6
7
9
11
12
14
15
3: Whitney_51
1
2
4
6
7
9
12
13
14
4: LunaStella_43 + 1
1
2
4
6
7
9
12
13
14
5: TChen_45

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 216969 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216969 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BearBQ_49
• Track 2 : Lutum_56
• Track 3 : Whitney_51
• Track 4 : LunaStella_43, MooMoo_42
• Track 5 : TChen_45

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BearBQ_49, LunaStella_43, MooMoo_42, Whitney_51,

Genes that have the "Most Annotated" start but do not call it:
• TChen_45,

Genes that do not have the "Most Annotated" start:
• Lutum_56,

Summary by start number:

Start 1:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: TChen_45 (F4),

Start 4:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BearBQ_49 (DN), LunaStella_43 (F4), MooMoo_42 (singleton), Whitney_51 (DN1),

Start 5:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lutum_56 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, singleton, F4,

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

Info for manual annotations of cluster DN1:
•Start number 4 was manually annotated 1 time for cluster DN1.
•Start number 5 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F4:
•Start number 1 was manually annotated 1 time for cluster F4.
•Start number 4 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: BearBQ_49 Start: 36610, Stop: 36059, Start Num: 4
Candidate Starts for BearBQ_49:
(Start: 4 @36610 has 4 MA's), (6, 36571), (7, 36520), (9, 36409), (11, 36316), (12, 36277), (15, 36253), (17, 36139),

Gene: LunaStella_43 Start: 33572, Stop: 33000, Start Num: 4
Candidate Starts for LunaStella_43:
(Start: 1 @33644 has 1 MA's), (2, 33617), (Start: 4 @33572 has 4 MA's), (6, 33533), (7, 33482), (9, 33371), (12, 33239), (13, 33224), (14, 33218),

Gene: Lutum_56 Start: 36721, Stop: 36059, Start Num: 5
Candidate Starts for Lutum_56:
(3, 36730), (Start: 5 @36721 has 1 MA's), (6, 36685), (8, 36562), (9, 36520), (10, 36487), (13, 36367), (16, 36247),

Gene: MooMoo_42 Start: 33848, Stop: 33276, Start Num: 4
Candidate Starts for MooMoo_42:
(Start: 1 @33920 has 1 MA's), (2, 33893), (Start: 4 @33848 has 4 MA's), (6, 33809), (7, 33758), (9, 33647), (12, 33515), (13, 33500), (14, 33494),

Gene: TChen_45 Start: 35595, Stop: 34951, Start Num: 1
Candidate Starts for TChen_45:
(Start: 1 @35595 has 1 MA's), (2, 35568), (Start: 4 @35523 has 4 MA's), (6, 35484), (7, 35433), (9, 35322), (12, 35190), (13, 35175), (14, 35169),

Gene: Whitney_51 Start: 36847, Stop: 36284, Start Num: 4
Candidate Starts for Whitney_51:

(Start: 4 @36847 has 4 MA's), (6, 36808), (7, 36757), (9, 36646), (11, 36553), (12, 36514), (14, 36493), (15, 36490),