Pham 348281


4
7
8
9
10
11
13
15
17
1: RedRaider_93
4
10
11
13
15
17
2: Patio_88
4
5
6
9
10
11
13
15
17
18
3: Float294_89 + 2
4
6
7
10
11
13
15
17
4: Lollipop1437_90
1
2
3
4
8
9
11
12
14
16
18
5: Maselop_95 + 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 348281 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348281 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : RedRaider_93
• Track 2 : Patio_88
• Track 3 : Float294_89, Skysand_92, Ennea_95
• Track 4 : Lollipop1437_90
• Track 5 : Maselop_95, Apiary_95, Polyyuki_94

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

Genes that call this "Most Annotated" start:
• Apiary_95, Ennea_95, Float294_89, Lollipop1437_90, Maselop_95, Patio_88, Polyyuki_94, RedRaider_93, Skysand_92,

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

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

Summary by start number:

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apiary_95 (CR6), Ennea_95 (CR3), Float294_89 (CR3), Lollipop1437_90 (CR3), Maselop_95 (CR6), Patio_88 (CR3), Polyyuki_94 (CR6), RedRaider_93 (CR3), Skysand_92 (CR3),

Summary by clusters:

There are 2 clusters represented in this pham: CR3, CR6,

Info for manual annotations of cluster CR3:
•Start number 4 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR6:
•Start number 4 was manually annotated 3 times for cluster CR6.

Gene Information:

Gene: Apiary_95 Start: 66394, Stop: 66708, Start Num: 4
Candidate Starts for Apiary_95:
(1, 66286), (2, 66325), (3, 66388), (Start: 4 @66394 has 9 MA's), (8, 66442), (9, 66487), (11, 66568), (12, 66580), (14, 66592), (16, 66616), (18, 66688),

Gene: Ennea_95 Start: 65191, Stop: 65487, Start Num: 4
Candidate Starts for Ennea_95:
(Start: 4 @65191 has 9 MA's), (5, 65221), (6, 65224), (9, 65272), (10, 65278), (11, 65347), (13, 65362), (15, 65392), (17, 65419), (18, 65467),

Gene: Float294_89 Start: 65088, Stop: 65384, Start Num: 4
Candidate Starts for Float294_89:
(Start: 4 @65088 has 9 MA's), (5, 65118), (6, 65121), (9, 65169), (10, 65175), (11, 65244), (13, 65259), (15, 65289), (17, 65316), (18, 65364),

Gene: Lollipop1437_90 Start: 64870, Stop: 65166, Start Num: 4
Candidate Starts for Lollipop1437_90:
(Start: 4 @64870 has 9 MA's), (6, 64903), (7, 64906), (10, 64957), (11, 65026), (13, 65041), (15, 65071), (17, 65098),

Gene: Maselop_95 Start: 66406, Stop: 66720, Start Num: 4
Candidate Starts for Maselop_95:
(1, 66298), (2, 66337), (3, 66400), (Start: 4 @66406 has 9 MA's), (8, 66454), (9, 66499), (11, 66580), (12, 66592), (14, 66604), (16, 66628), (18, 66700),

Gene: Patio_88 Start: 64087, Stop: 64383, Start Num: 4
Candidate Starts for Patio_88:
(Start: 4 @64087 has 9 MA's), (10, 64174), (11, 64243), (13, 64258), (15, 64288), (17, 64315),

Gene: Polyyuki_94 Start: 66416, Stop: 66730, Start Num: 4
Candidate Starts for Polyyuki_94:
(1, 66308), (2, 66347), (3, 66410), (Start: 4 @66416 has 9 MA's), (8, 66464), (9, 66509), (11, 66590), (12, 66602), (14, 66614), (16, 66638), (18, 66710),

Gene: RedRaider_93 Start: 66290, Stop: 66586, Start Num: 4
Candidate Starts for RedRaider_93:
(Start: 4 @66290 has 9 MA's), (7, 66326), (8, 66338), (9, 66371), (10, 66377), (11, 66446), (13, 66461), (15, 66491), (17, 66518),

Gene: Skysand_92 Start: 65034, Stop: 65330, Start Num: 4
Candidate Starts for Skysand_92:

(Start: 4 @65034 has 9 MA's), (5, 65064), (6, 65067), (9, 65115), (10, 65121), (11, 65190), (13, 65205), (15, 65235), (17, 65262), (18, 65310),