Pham 348192


2
7
9
12
13
14
15
17
1: Clawz_54 + 1
1
2
4
7
8
9
12
13
14
15
2: Amo99_55 + 2
1
2
4
7
8
9
12
13
14
15
16
3: DonTiron_54 + 2
1
2
4
7
8
9
12
13
14
15
4: KingstonB_52 + 3
3
5
6
8
9
10
11
12
13
14
15
16
5: Tonitrus_41

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 348192 Report

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

Pham number 348192 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Clawz_54, Makar_55
• Track 2 : Amo99_55, ColdSoup_55, Jollymon_54
• Track 3 : DonTron_54, Sting_53, Soos_50
• Track 4 : KingstonB_52, Stillion_53, Purplicious_53, Grumio_54
• Track 5 : Tonitrus_41

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amo99_55, Clawz_54, ColdSoup_55, DonTron_54, Grumio_54, Jollymon_54, KingstonB_52, Makar_55, Purplicious_53, Soos_50, Stillion_53, Sting_53,

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

Genes that do not have the "Most Annotated" start:
• Tonitrus_41,

Summary by start number:

Start 2:
• Found in 12 of 13 (92.3%) 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: Amo99_55 (CP), Clawz_54 (CP), ColdSoup_55 (CP), DonTron_54 (CP), Grumio_54 (CP), Jollymon_54 (CP), KingstonB_52 (CP), Makar_55 (CP), Purplicious_53 (CP), Soos_50 (CP), Stillion_53 (CP), Sting_53 (CP),

Start 3:
• Found in 1 of 13 (7.7%) 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: Tonitrus_41 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, CP,

Info for manual annotations of cluster CP:
•Start number 2 was manually annotated 7 times for cluster CP.

Gene Information:

Gene: Amo99_55 Start: 30123, Stop: 30659, Start Num: 2
Candidate Starts for Amo99_55:
(1, 30075), (Start: 2 @30123 has 7 MA's), (4, 30228), (7, 30405), (8, 30429), (9, 30450), (12, 30546), (13, 30555), (14, 30558), (15, 30603),

Gene: Clawz_54 Start: 29921, Stop: 30460, Start Num: 2
Candidate Starts for Clawz_54:
(Start: 2 @29921 has 7 MA's), (7, 30206), (9, 30251), (12, 30347), (13, 30356), (14, 30359), (15, 30404), (17, 30422),

Gene: ColdSoup_55 Start: 30123, Stop: 30659, Start Num: 2
Candidate Starts for ColdSoup_55:
(1, 30075), (Start: 2 @30123 has 7 MA's), (4, 30228), (7, 30405), (8, 30429), (9, 30450), (12, 30546), (13, 30555), (14, 30558), (15, 30603),

Gene: DonTron_54 Start: 30164, Stop: 30700, Start Num: 2
Candidate Starts for DonTron_54:
(1, 30116), (Start: 2 @30164 has 7 MA's), (4, 30269), (7, 30446), (8, 30470), (9, 30491), (12, 30587), (13, 30596), (14, 30599), (15, 30644), (16, 30656),

Gene: Grumio_54 Start: 29602, Stop: 30138, Start Num: 2
Candidate Starts for Grumio_54:
(1, 29554), (Start: 2 @29602 has 7 MA's), (4, 29707), (7, 29884), (8, 29908), (9, 29929), (12, 30025), (13, 30034), (14, 30037), (15, 30082),

Gene: Jollymon_54 Start: 30123, Stop: 30659, Start Num: 2
Candidate Starts for Jollymon_54:
(1, 30075), (Start: 2 @30123 has 7 MA's), (4, 30228), (7, 30405), (8, 30429), (9, 30450), (12, 30546), (13, 30555), (14, 30558), (15, 30603),

Gene: KingstonB_52 Start: 29602, Stop: 30138, Start Num: 2
Candidate Starts for KingstonB_52:
(1, 29554), (Start: 2 @29602 has 7 MA's), (4, 29707), (7, 29884), (8, 29908), (9, 29929), (12, 30025), (13, 30034), (14, 30037), (15, 30082),

Gene: Makar_55 Start: 29948, Stop: 30487, Start Num: 2
Candidate Starts for Makar_55:

(Start: 2 @29948 has 7 MA's), (7, 30233), (9, 30278), (12, 30374), (13, 30383), (14, 30386), (15, 30431), (17, 30449),

Gene: Purplicious_53 Start: 29370, Stop: 29906, Start Num: 2
Candidate Starts for Purplicious_53:
(1, 29322), (Start: 2 @29370 has 7 MA's), (4, 29475), (7, 29652), (8, 29676), (9, 29697), (12, 29793), (13, 29802), (14, 29805), (15, 29850),

Gene: Soos_50 Start: 29331, Stop: 29867, Start Num: 2
Candidate Starts for Soos_50:
(1, 29283), (Start: 2 @29331 has 7 MA's), (4, 29436), (7, 29613), (8, 29637), (9, 29658), (12, 29754), (13, 29763), (14, 29766), (15, 29811), (16, 29823),

Gene: Stillion_53 Start: 29928, Stop: 30464, Start Num: 2
Candidate Starts for Stillion_53:
(1, 29880), (Start: 2 @29928 has 7 MA's), (4, 30033), (7, 30210), (8, 30234), (9, 30255), (12, 30351), (13, 30360), (14, 30363), (15, 30408),

Gene: Sting_53 Start: 29770, Stop: 30306, Start Num: 2
Candidate Starts for Sting_53:
(1, 29722), (Start: 2 @29770 has 7 MA's), (4, 29875), (7, 30052), (8, 30076), (9, 30097), (12, 30193), (13, 30202), (14, 30205), (15, 30250), (16, 30262),

Gene: Tonitrus_41 Start: 27832, Stop: 28347, Start Num: 3
Candidate Starts for Tonitrus_41:
(Start: 3 @27832 has 1 MA's), (5, 27979), (6, 28000), (8, 28105), (9, 28126), (10, 28141), (11, 28186), (13, 28231), (14, 28234), (15, 28279), (16, 28291),