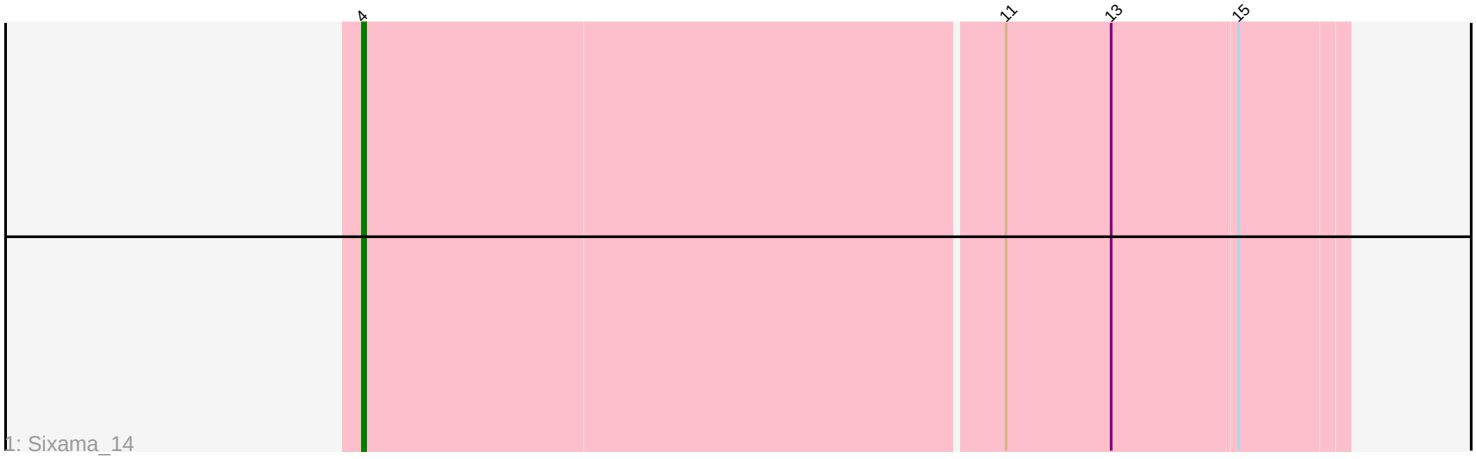
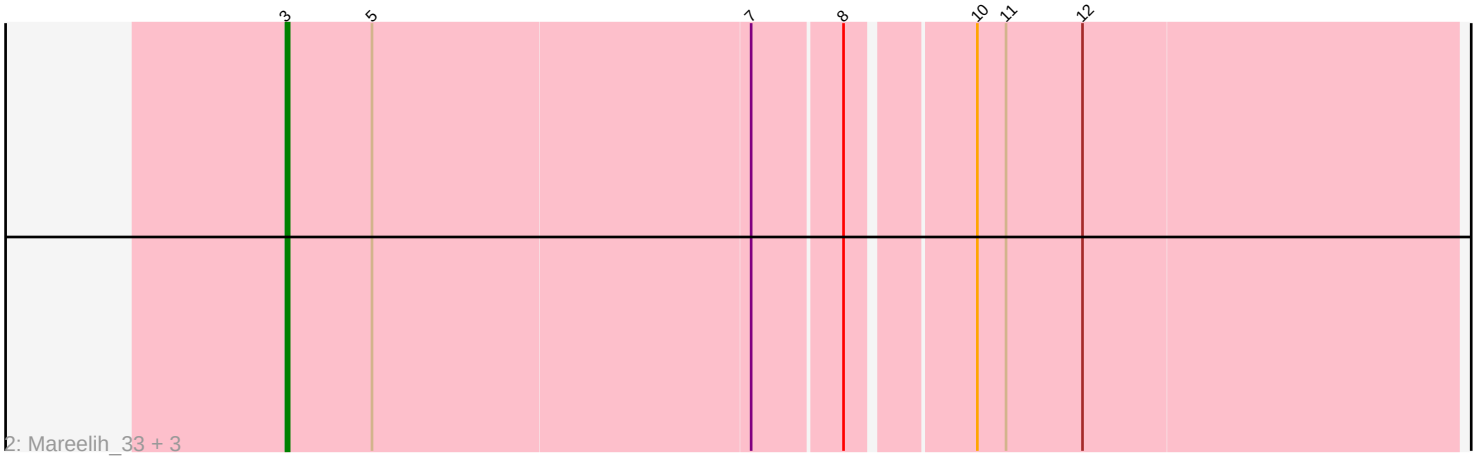
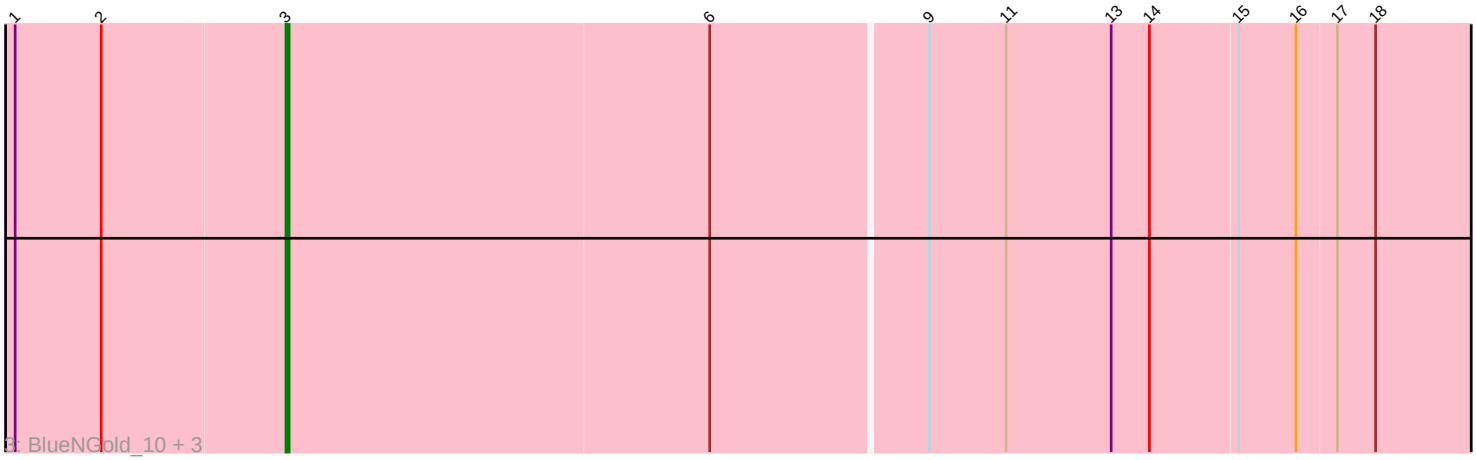
Pham 329705


4
11
13
15
1: Sixama_14


3
5
7
8
10
11
12
2: Mareelih_33 + 3


1
2
3
6
9
11
13
14
15
16
17
18
3: BlueNGold_10 + 3

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 329705 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329705 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sixama_14
• Track 2 : Mareelih_33, BlueNGold_33, Forza_34, Boopy_35
• Track 3 : BlueNGold_10, Forza_11, Boopy_11, Mareelih_9

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_10, BlueNGold_33, Boopy_11, Boopy_35, Forza_11, Forza_34, Mareelih_33, Mareelih_9,

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

Genes that do not have the "Most Annotated" start:
• Sixama_14,

Summary by start number:

Start 3:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_10 (DS), BlueNGold_33 (DS), Boopy_11 (DS), Boopy_35 (DS), Forza_11 (DS), Forza_34 (DS), Mareelih_33 (DS), Mareelih_9 (DS),

Start 4:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sixama_14 (DS),

Summary by clusters:

There is one cluster represented in this pham: DS

Info for manual annotations of cluster DS:
•Start number 3 was manually annotated 8 times for cluster DS.
•Start number 4 was manually annotated 1 time for cluster DS.

Gene Information:

Gene: BlueNGold_10 Start: 4690, Stop: 4292, Start Num: 3
Candidate Starts for BlueNGold_10:
(1, 4774), (2, 4747), (Start: 3 @4690 has 8 MA's), (6, 4558), (9, 4492), (11, 4468), (13, 4435), (14, 4423), (15, 4396), (16, 4378), (17, 4366), (18, 4354),

Gene: BlueNGold_33 Start: 11811, Stop: 11455, Start Num: 3
Candidate Starts for BlueNGold_33:
(Start: 3 @11811 has 8 MA's), (5, 11784), (7, 11667), (8, 11640), (10, 11604), (11, 11595), (12, 11571),

Gene: Boopy_11 Start: 4701, Stop: 4303, Start Num: 3
Candidate Starts for Boopy_11:
(1, 4785), (2, 4758), (Start: 3 @4701 has 8 MA's), (6, 4569), (9, 4503), (11, 4479), (13, 4446), (14, 4434), (15, 4407), (16, 4389), (17, 4377), (18, 4365),

Gene: Boopy_35 Start: 11823, Stop: 11467, Start Num: 3
Candidate Starts for Boopy_35:
(Start: 3 @11823 has 8 MA's), (5, 11796), (7, 11679), (8, 11652), (10, 11616), (11, 11607), (12, 11583),

Gene: Forza_11 Start: 4741, Stop: 4343, Start Num: 3
Candidate Starts for Forza_11:
(1, 4825), (2, 4798), (Start: 3 @4741 has 8 MA's), (6, 4609), (9, 4543), (11, 4519), (13, 4486), (14, 4474), (15, 4447), (16, 4429), (17, 4417), (18, 4405),

Gene: Forza_34 Start: 11739, Stop: 11383, Start Num: 3
Candidate Starts for Forza_34:
(Start: 3 @11739 has 8 MA's), (5, 11712), (7, 11595), (8, 11568), (10, 11532), (11, 11523), (12, 11499),

Gene: Mareelih_33 Start: 11268, Stop: 10912, Start Num: 3
Candidate Starts for Mareelih_33:
(Start: 3 @11268 has 8 MA's), (5, 11241), (7, 11124), (8, 11097), (10, 11061), (11, 11052), (12, 11028),

Gene: Mareelih_9 Start: 4146, Stop: 3748, Start Num: 3
Candidate Starts for Mareelih_9:
(1, 4230), (2, 4203), (Start: 3 @4146 has 8 MA's), (6, 4014), (9, 3948), (11, 3924), (13, 3891), (14, 3879), (15, 3852), (16, 3834), (17, 3822), (18, 3810),

Gene: Sixama_14 Start: 5658, Stop: 5356, Start Num: 4
Candidate Starts for Sixama_14:
(Start: 4 @5658 has 1 MA's), (11, 5460), (13, 5427), (15, 5388),