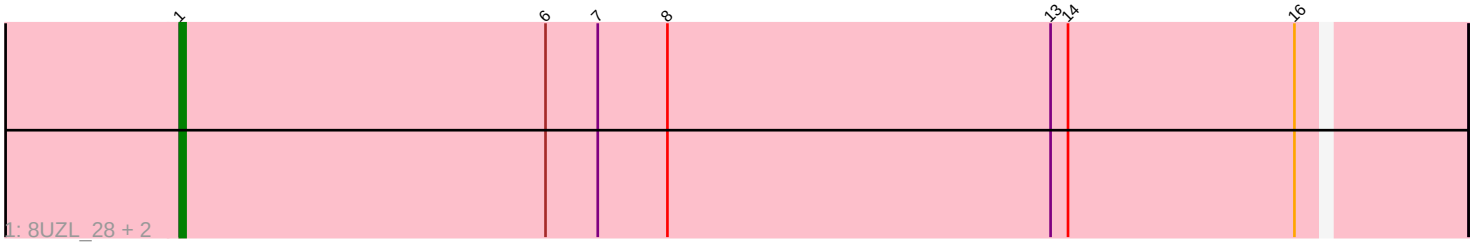
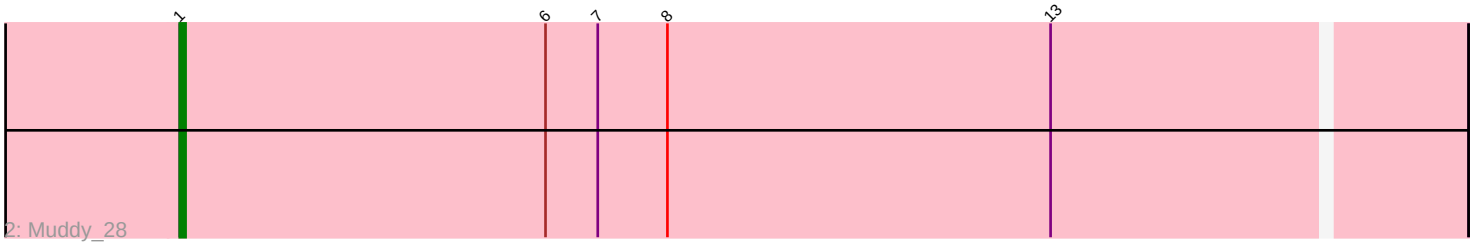
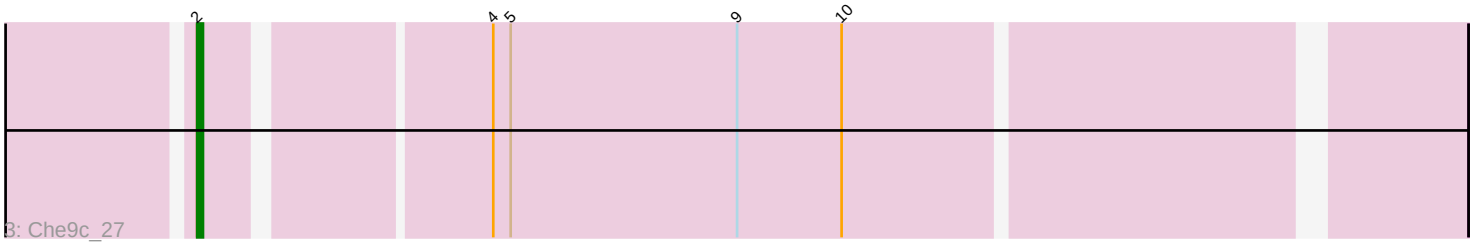
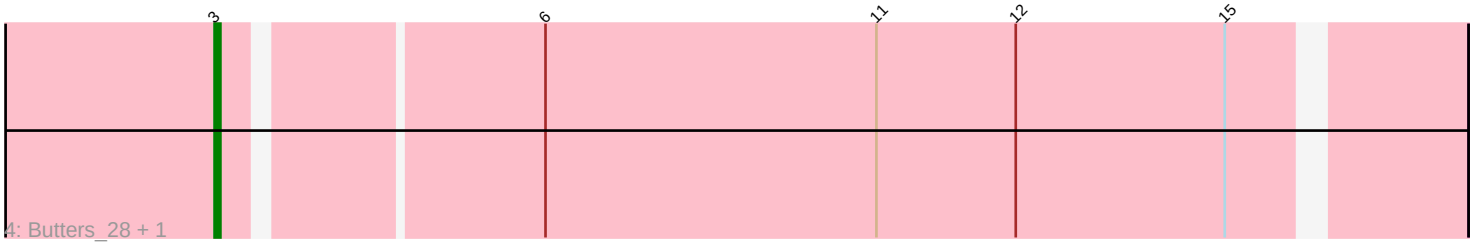
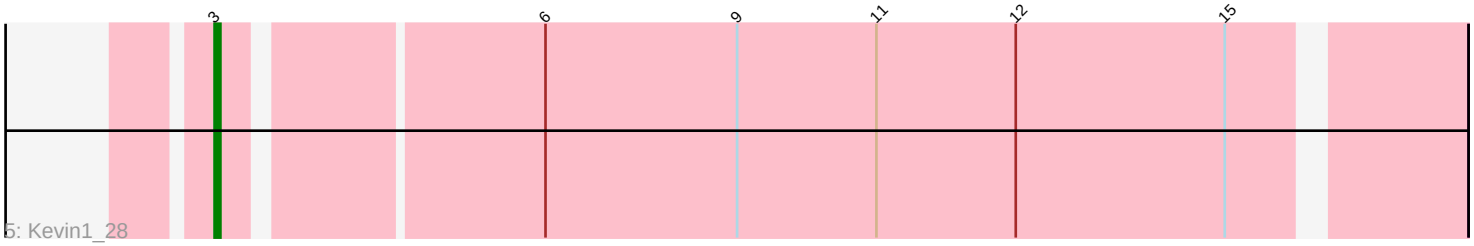
Pham 198573

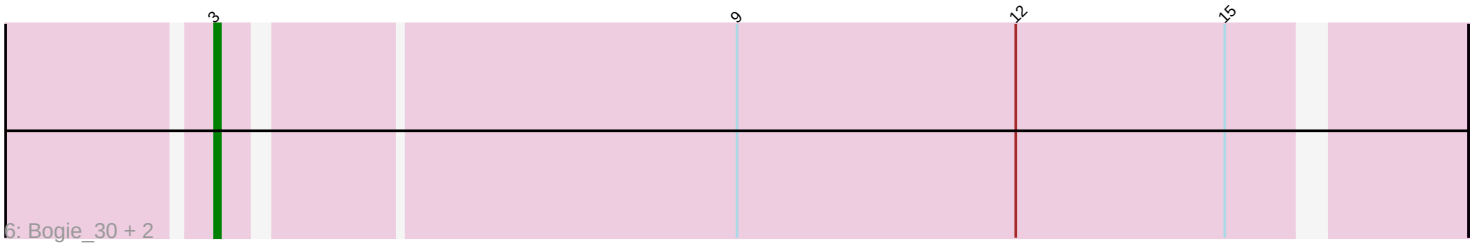

1
6
7
8
13
14
16
1: 8UZL_28 + 2


1
6
7
8
13
2: Muddy_28


2
4
5
9
10
3: Che9c_27


3
6
11
12
15
4: Butters_28 + 1


3
6
9
11
12
15
5: Kevin1_28


3
9
12
15
6: Bogie_30 + 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 198573 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198573 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : 8UZL_28, FF47_28, Maco6_26
• Track 2 : Muddy_28
• Track 3 : Che9c_27
• Track 4 : Butters_28, Rubeelu_28
• Track 5 : Kevin1_28
• Track 6 : Bogie_30, Island3_31, Brujita_31

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

Genes that call this "Most Annotated" start:
• Bogie_30, Brujita_31, Butters_28, Island3_31, Kevin1_28, Rubeelu_28,

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

Genes that do not have the "Most Annotated" start:
• 8UZL_28, Che9c_27, FF47_28, Maco6_26, Muddy_28,

Summary by start number:

Start 1:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_28 (AB), FF47_28 (AB), Maco6_26 (AB), Muddy_28 (AB),

Start 2:
• Found in 1 of 11 (9.1%) 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: Che9c_27 (I2),

Start 3:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bogie_30 (P1), Brujita_31 (I1), Butters_28 (N), Island3_31 (I1), Kevin1_28 (N), Rubeelu_28 (N),

Summary by clusters:

There are 5 clusters represented in this pham: I1, P1, I2, AB, N,

Info for manual annotations of cluster AB:
•Start number 1 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster I1:
•Start number 3 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 2 was manually annotated 1 time for cluster I2.

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

Info for manual annotations of cluster P1:
•Start number 3 was manually annotated 1 time for cluster P1.

Gene Information:

Gene: 8UZL_28 Start: 24083, Stop: 24301, Start Num: 1
Candidate Starts for 8UZL_28:
(Start: 1 @24083 has 2 MA's), (6, 24146), (7, 24155), (8, 24167), (13, 24233), (14, 24236), (16, 24275),

Gene: Bogie_30 Start: 27068, Stop: 27271, Start Num: 3
Candidate Starts for Bogie_30:
(Start: 3 @27068 has 6 MA's), (9, 27152), (12, 27200), (15, 27236),

Gene: Brujita_31 Start: 27423, Stop: 27626, Start Num: 3
Candidate Starts for Brujita_31:
(Start: 3 @27423 has 6 MA's), (9, 27507), (12, 27555), (15, 27591),

Gene: Butters_28 Start: 23934, Stop: 24137, Start Num: 3
Candidate Starts for Butters_28:
(Start: 3 @23934 has 6 MA's), (6, 23985), (11, 24042), (12, 24066), (15, 24102),

Gene: Che9c_27 Start: 25454, Stop: 25657, Start Num: 2
Candidate Starts for Che9c_27:
(Start: 2 @25454 has 1 MA's), (4, 25499), (5, 25502), (9, 25541), (10, 25559),

Gene: FF47_28 Start: 24010, Stop: 24228, Start Num: 1

Candidate Starts for FF47_28:
(Start: 1 @24010 has 2 MA's), (6, 24073), (7, 24082), (8, 24094), (13, 24160), (14, 24163), (16, 24202),

Gene: Island3_31 Start: 27423, Stop: 27626, Start Num: 3
Candidate Starts for Island3_31:
(Start: 3 @27423 has 6 MA's), (9, 27507), (12, 27555), (15, 27591),

Gene: Kevin1_28 Start: 23931, Stop: 24134, Start Num: 3
Candidate Starts for Kevin1_28:
(Start: 3 @23931 has 6 MA's), (6, 23982), (9, 24015), (11, 24039), (12, 24063), (15, 24099),

Gene: Maco6_26 Start: 23344, Stop: 23565, Start Num: 1
Candidate Starts for Maco6_26:
(Start: 1 @23344 has 2 MA's), (6, 23407), (7, 23416), (8, 23428), (13, 23494), (14, 23497), (16, 23536),

Gene: Muddy_28 Start: 24291, Stop: 24509, Start Num: 1
Candidate Starts for Muddy_28:
(Start: 1 @24291 has 2 MA's), (6, 24354), (7, 24363), (8, 24375), (13, 24441),

Gene: Rubeelu_28 Start: 23934, Stop: 24137, Start Num: 3
Candidate Starts for Rubeelu_28:
(Start: 3 @23934 has 6 MA's), (6, 23985), (11, 24042), (12, 24066), (15, 24102),