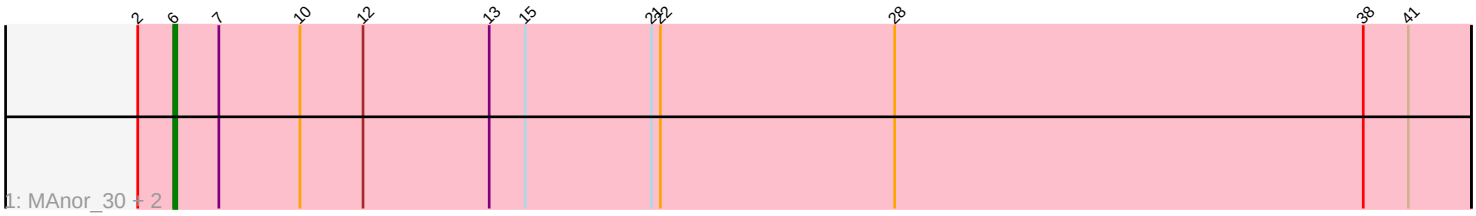
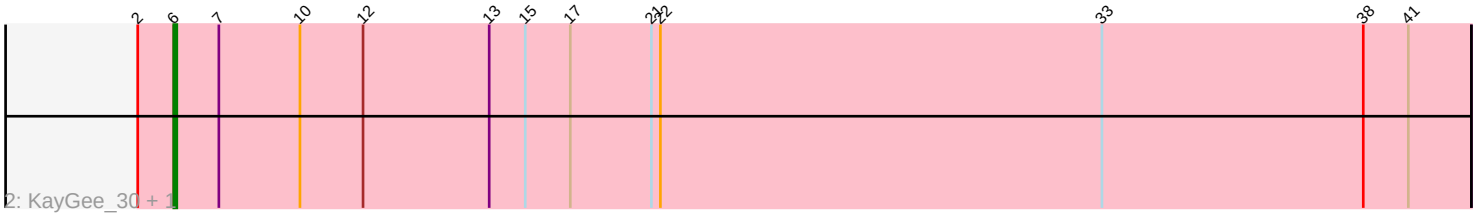
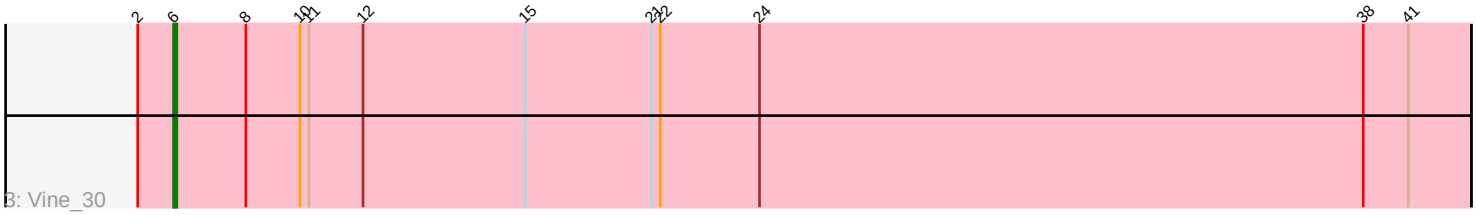
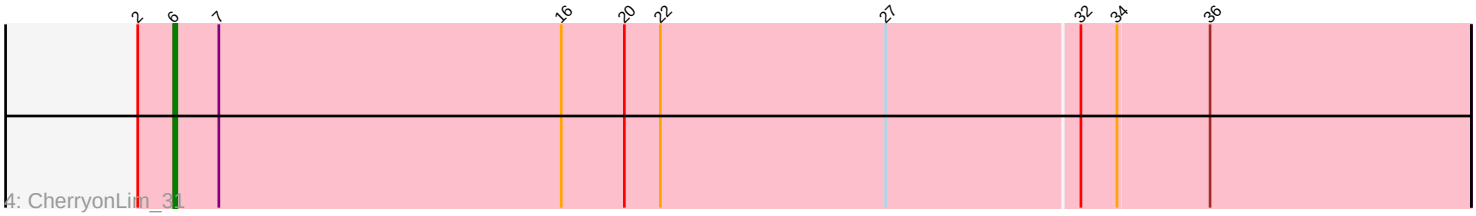
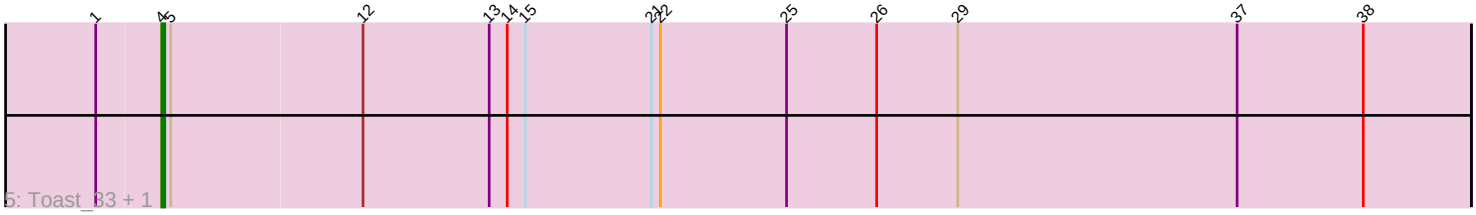
Pham 195876

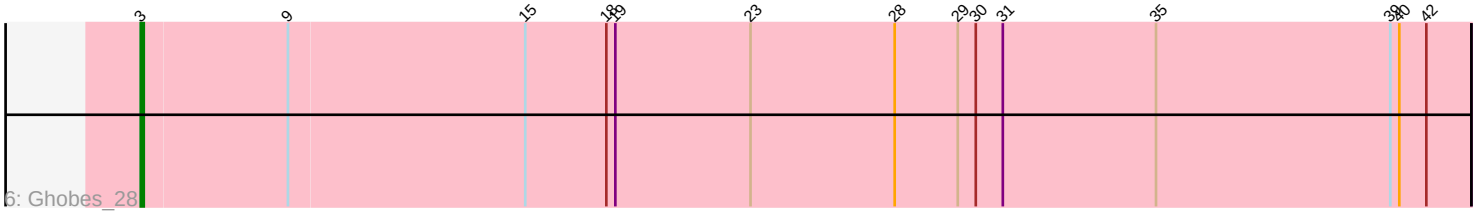

2
6
7
10
12
13
15
21
22
28
38
41
1: MAnor_30 + 2

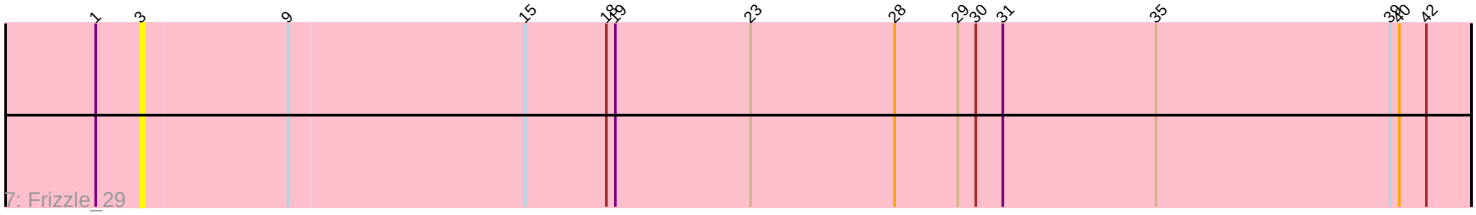

2
6
7
10
12
13
15
17
21
22
33
38
41
2: KayGee_30 + 1


2
6
8
10
11
12
15
21
22
24
38
41
3: Vine_30


2
6
7
16
20
22
27
32
34
36
4: CherryonLim_31


1
4
5
12
13
14
15
21
22
25
26
29
37
38
5: Toast_33 + 1


3
9
15
18
19
23
28
29
30
31
35
39
40
42
6: Ghobes_28


1
3
9
15
18
19
23
28
29
30
31
35
39
40
42
7: Frizzle_29

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 195876 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195876 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MAnor_30, Pons_30, Mayweather_31
• Track 2 : KayGee_30, Elinal_31
• Track 3 : Vine_30
• Track 4 : CherryonLim_31
• Track 5 : Toast_33, PCoral7_33
• Track 6 : Ghobes_28
• Track 7 : Frizzle_29

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryonLim_31, Elinal_31, KayGee_30, MAnor_30, Mayweather_31, Pons_30, Vine_30,

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

Genes that do not have the "Most Annotated" start:
• Frizzle_29, Ghobes_28, PCoral7_33, Toast_33,

Summary by start number:

Start 3:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frizzle_29 (DA), Ghobes_28 (DA),

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: PCoral7_33 (CV), Toast_33 (CV),

Start 6:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryonLim_31 (CT), Elinal_31 (CT), KayGee_30 (CT), MAnor_30 (CT), Mayweather_31 (CT), Pons_30 (CT), Vine_30 (CT),

Summary by clusters:

There are 3 clusters represented in this pham: DA, CV, CT,

Info for manual annotations of cluster CT:
•Start number 6 was manually annotated 7 times for cluster CT.

Info for manual annotations of cluster CV:
•Start number 4 was manually annotated 2 times for cluster CV.

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

Gene Information:

Gene: CherryonLim_31 Start: 25039, Stop: 25467, Start Num: 6
Candidate Starts for CherryonLim_31:
(2, 25027), (Start: 6 @25039 has 7 MA's), (7, 25054), (16, 25168), (20, 25189), (22, 25201), (27, 25276), (32, 25339), (34, 25351), (36, 25381),

Gene: Elinal_31 Start: 24276, Stop: 24707, Start Num: 6
Candidate Starts for Elinal_31:
(2, 24264), (Start: 6 @24276 has 7 MA's), (7, 24291), (10, 24318), (12, 24339), (13, 24381), (15, 24393), (17, 24408), (21, 24435), (22, 24438), (33, 24585), (38, 24672), (41, 24687),

Gene: Frizzle_29 Start: 24501, Stop: 24941, Start Num: 3
Candidate Starts for Frizzle_29:
(1, 24486), (Start: 3 @24501 has 1 MA's), (9, 24549), (15, 24627), (18, 24654), (19, 24657), (23, 24702), (28, 24750), (29, 24771), (30, 24777), (31, 24786), (35, 24837), (39, 24915), (40, 24918), (42, 24927),

Gene: Ghobes_28 Start: 24501, Stop: 24941, Start Num: 3
Candidate Starts for Ghobes_28:
(Start: 3 @24501 has 1 MA's), (9, 24549), (15, 24627), (18, 24654), (19, 24657), (23, 24702), (28, 24750), (29, 24771), (30, 24777), (31, 24786), (35, 24837), (39, 24915), (40, 24918), (42, 24927),

Gene: KayGee_30 Start: 24276, Stop: 24707, Start Num: 6
Candidate Starts for KayGee_30:
(2, 24264), (Start: 6 @24276 has 7 MA's), (7, 24291), (10, 24318), (12, 24339), (13, 24381), (15, 24393), (17, 24408), (21, 24435), (22, 24438), (33, 24585), (38, 24672), (41, 24687),

Gene: MAnor_30 Start: 24302, Stop: 24733, Start Num: 6
Candidate Starts for MAnor_30:
(2, 24290), (Start: 6 @24302 has 7 MA's), (7, 24317), (10, 24344), (12, 24365), (13, 24407), (15, 24419), (21, 24461), (22, 24464), (28, 24542), (38, 24698), (41, 24713),

Gene: Mayweather_31 Start: 24918, Stop: 25349, Start Num: 6
Candidate Starts for Mayweather_31:
(2, 24906), (Start: 6 @24918 has 7 MA's), (7, 24933), (10, 24960), (12, 24981), (13, 25023), (15, 25035), (21, 25077), (22, 25080), (28, 25158), (38, 25314), (41, 25329),

Gene: PCoral7_33 Start: 27814, Stop: 28248, Start Num: 4
Candidate Starts for PCoral7_33:
(1, 27793), (Start: 4 @27814 has 2 MA's), (5, 27817), (12, 27880), (13, 27922), (14, 27928), (15, 27934), (21, 27976), (22, 27979), (25, 28021), (26, 28051), (29, 28078), (37, 28171), (38, 28213),

Gene: Pons_30 Start: 24291, Stop: 24722, Start Num: 6
Candidate Starts for Pons_30:
(2, 24279), (Start: 6 @24291 has 7 MA's), (7, 24306), (10, 24333), (12, 24354), (13, 24396), (15, 24408), (21, 24450), (22, 24453), (28, 24531), (38, 24687), (41, 24702),

Gene: Toast_33 Start: 27814, Stop: 28248, Start Num: 4
Candidate Starts for Toast_33:
(1, 27793), (Start: 4 @27814 has 2 MA's), (5, 27817), (12, 27880), (13, 27922), (14, 27928), (15, 27934), (21, 27976), (22, 27979), (25, 28021), (26, 28051), (29, 28078), (37, 28171), (38, 28213),

Gene: Vine_30 Start: 24262, Stop: 24693, Start Num: 6
Candidate Starts for Vine_30:
(2, 24250), (Start: 6 @24262 has 7 MA's), (8, 24286), (10, 24304), (11, 24307), (12, 24325), (15, 24379), (21, 24421), (22, 24424), (24, 24457), (38, 24658), (41, 24673),