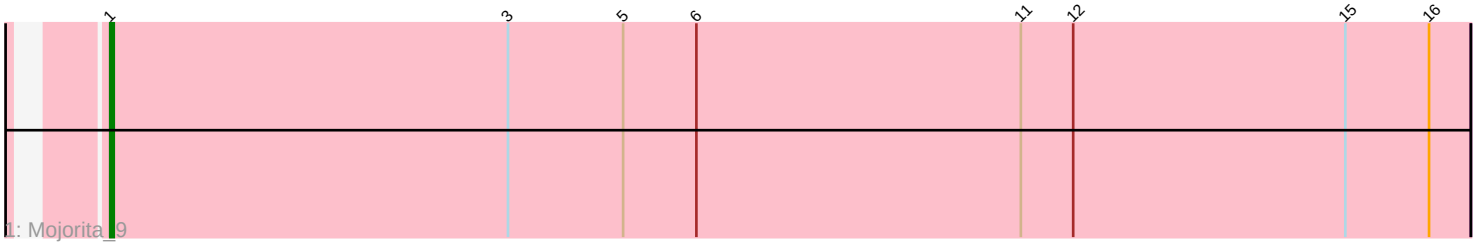
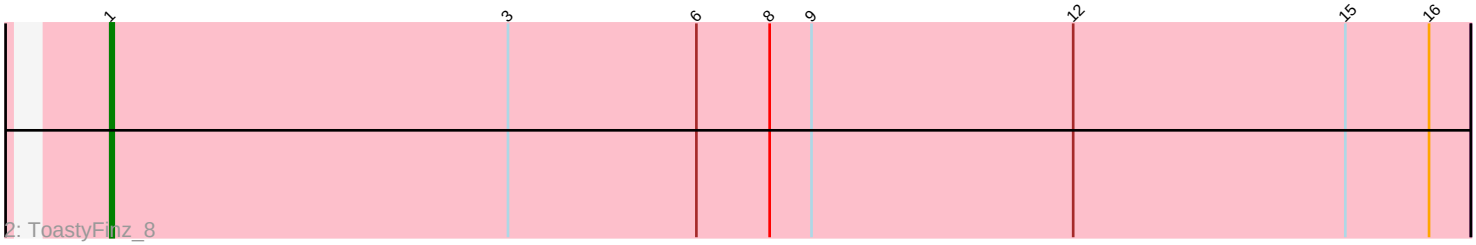
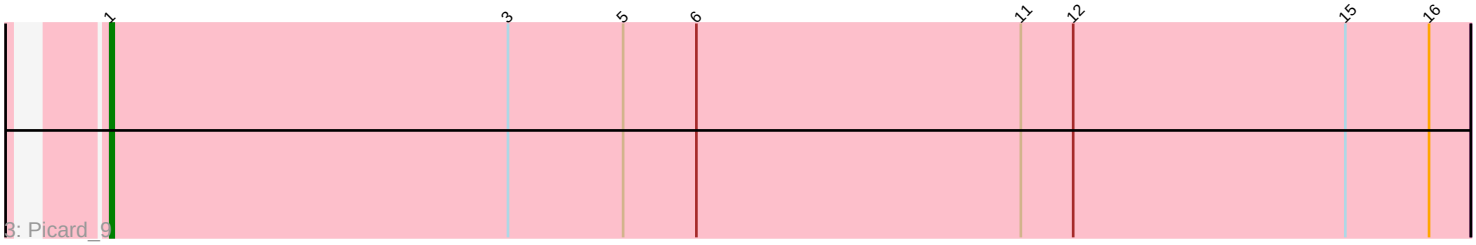
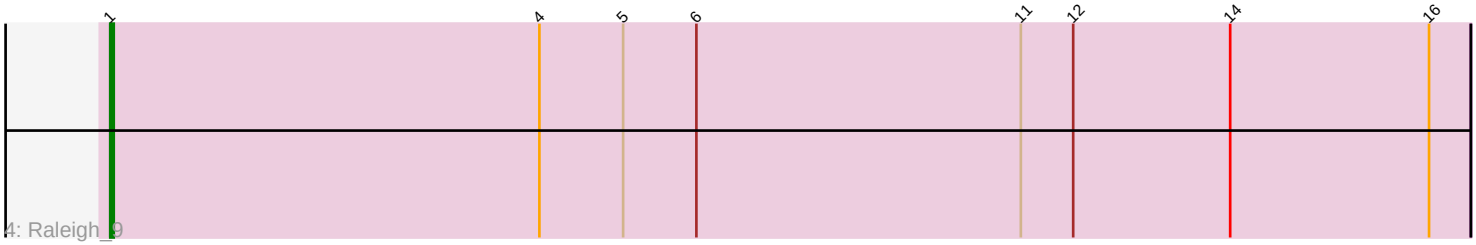
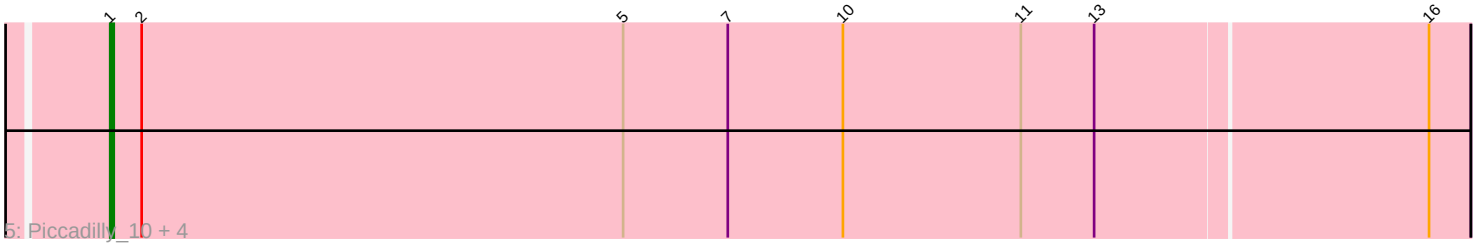
Pham 223547

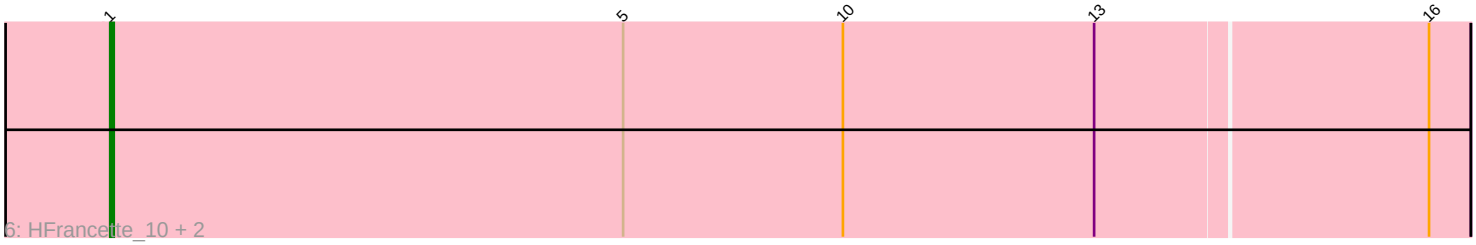

1
3
5
6
11
12
15
16
1: Mojorita_9


1
3
6
8
9
12
15
16
2: ToastyFinz_8


1
3
5
6
11
12
15
16
3: Picard_9


1
4
5
6
11
12
14
16
4: Raleigh_9


1
2
5
7
10
11
13
16
5: Piccadilly_10 + 4


1
5
10
13
16
6: HFrancette_10 + 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 223547 Report

This analysis was run 03/28/25 on database version 593.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 223547 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mojorita_9
• Track 2 : ToastyFinz_8
• Track 3 : Picard_9
• Track 4 : Raleigh_9
• Track 5 : Piccadilly_10, Cumberbatch_10, AxeJC_10, Eastland_10, Eklok_10
• Track 6 : HFrancette_10, Vondra_10, Ignacio_10

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_10, Cumberbatch_10, Eastland_10, Eklok_10, HFrancette_10, Ignacio_10, Mojorita_9, Picard_9, Piccadilly_10, Raleigh_9, ToastyFinz_8, Vondra_10,

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 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_10 (BP), Cumberbatch_10 (BP), Eastland_10 (BP), Eklok_10 (BP), HFrancette_10 (BP), Ignacio_10 (BP), Mojorita_9

(BC1), Picard_9 (BC1), Piccadilly_10 (BP), Raleigh_9 (BC2), ToastyFinz_8 (BC1), Vondra_10 (BP),

Summary by clusters:

There are 3 clusters represented in this pham: BP, BC1, BC2,

Info for manual annotations of cluster BC1:
•Start number 1 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 1 was manually annotated 1 time for cluster BC2.

Info for manual annotations of cluster BP:
•Start number 1 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_10 Start: 7281, Stop: 7667, Start Num: 1
Candidate Starts for AxeJC_10:
(Start: 1 @7281 has 12 MA's), (2, 7290), (5, 7428), (7, 7458), (10, 7491), (11, 7542), (13, 7563), (16, 7656),

Gene: Cumberbatch_10 Start: 7268, Stop: 7654, Start Num: 1
Candidate Starts for Cumberbatch_10:
(Start: 1 @7268 has 12 MA's), (2, 7277), (5, 7415), (7, 7445), (10, 7478), (11, 7529), (13, 7550), (16, 7643),

Gene: Eastland_10 Start: 7269, Stop: 7655, Start Num: 1
Candidate Starts for Eastland_10:
(Start: 1 @7269 has 12 MA's), (2, 7278), (5, 7416), (7, 7446), (10, 7479), (11, 7530), (13, 7551), (16, 7644),

Gene: Eklok_10 Start: 7281, Stop: 7667, Start Num: 1
Candidate Starts for Eklok_10:
(Start: 1 @7281 has 12 MA's), (2, 7290), (5, 7428), (7, 7458), (10, 7491), (11, 7542), (13, 7563), (16, 7656),

Gene: HFrancette_10 Start: 7277, Stop: 7663, Start Num: 1
Candidate Starts for HFrancette_10:
(Start: 1 @7277 has 12 MA's), (5, 7424), (10, 7487), (13, 7559), (16, 7652),

Gene: Ignacio_10 Start: 7277, Stop: 7663, Start Num: 1
Candidate Starts for Ignacio_10:
(Start: 1 @7277 has 12 MA's), (5, 7424), (10, 7487), (13, 7559), (16, 7652),

Gene: Mojorita_9 Start: 7446, Stop: 7835, Start Num: 1
Candidate Starts for Mojorita_9:
(Start: 1 @7446 has 12 MA's), (3, 7560), (5, 7593), (6, 7614), (11, 7707), (12, 7722), (15, 7800), (16, 7824),

Gene: Picard_9 Start: 7446, Stop: 7835, Start Num: 1
Candidate Starts for Picard_9:
(Start: 1 @7446 has 12 MA's), (3, 7560), (5, 7593), (6, 7614), (11, 7707), (12, 7722), (15, 7800), (16, 7824),

Gene: Piccadilly_10 Start: 7268, Stop: 7654, Start Num: 1
Candidate Starts for Piccadilly_10:
(Start: 1 @7268 has 12 MA's), (2, 7277), (5, 7415), (7, 7445), (10, 7478), (11, 7529), (13, 7550), (16, 7643),

Gene: Raleigh_9 Start: 7565, Stop: 7954, Start Num: 1
Candidate Starts for Raleigh_9:
(Start: 1 @7565 has 12 MA's), (4, 7688), (5, 7712), (6, 7733), (11, 7826), (12, 7841), (14, 7886), (16, 7943),

Gene: ToastyFinz_8 Start: 7224, Stop: 7613, Start Num: 1
Candidate Starts for ToastyFinz_8:
(Start: 1 @7224 has 12 MA's), (3, 7338), (6, 7392), (8, 7413), (9, 7425), (12, 7500), (15, 7578), (16, 7602),

Gene: Vondra_10 Start: 7277, Stop: 7663, Start Num: 1
Candidate Starts for Vondra_10:
(Start: 1 @7277 has 12 MA's), (5, 7424), (10, 7487), (13, 7559), (16, 7652),