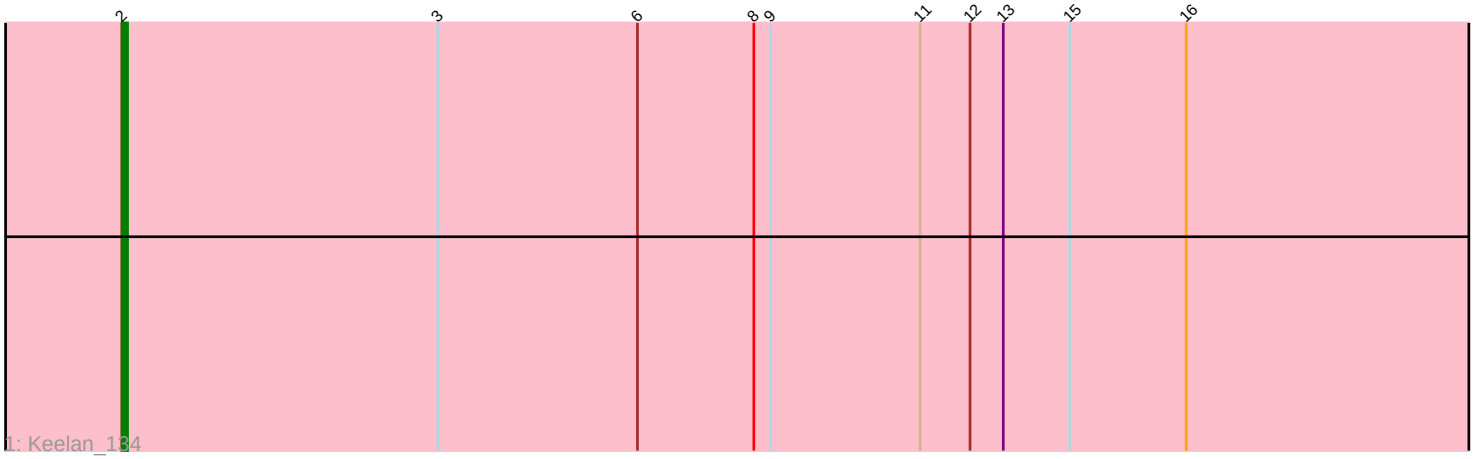
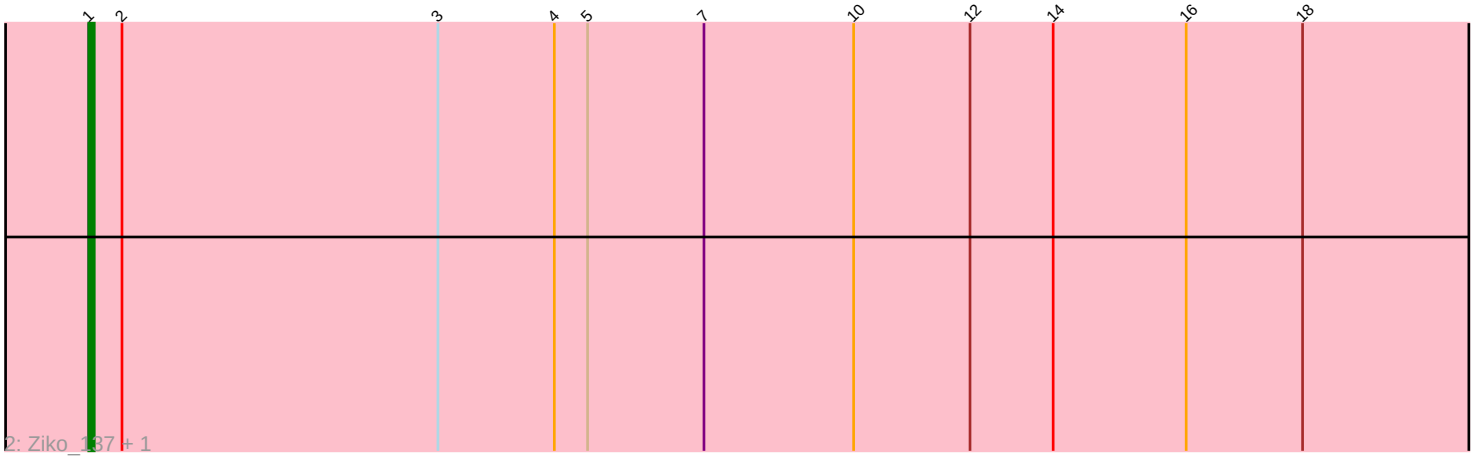
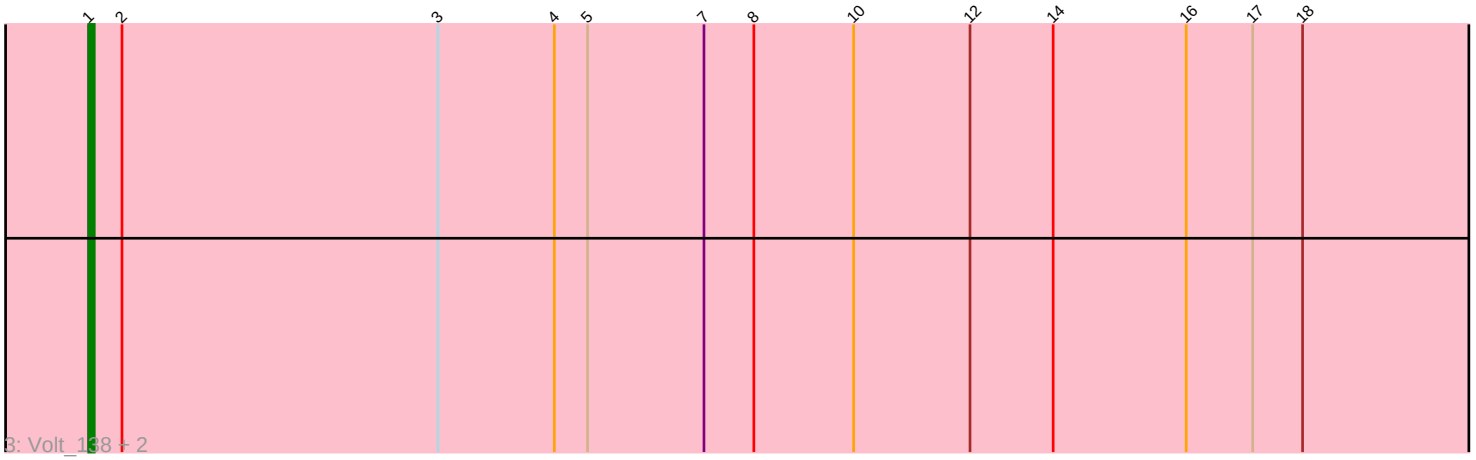
Pham 302154


2
3
6
8
9
11
12
13
15
16
1: Keelan_134


1
2
3
4
5
7
10
12
14
16
18
2: Ziko_137 + 1


1
2
3
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5
7
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16
17
18
3: Volt_138 + 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 302154 Report

This analysis was run 06/08/26 on database version 649.

Pham number 302154 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Keelan_134
• Track 2 : Ziko_137, Guey18_138
• Track 3 : Volt_138, Fryberger_133, Ronaldo_135

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

Genes that call this "Most Annotated" start:
• Fryberger_133, Guey18_138, Ronaldo_135, Volt_138, Ziko_137,

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

Genes that do not have the "Most Annotated" start:
• Keelan_134,

Summary by start number:

Start 1:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_133 (DP), Guey18_138 (DP), Ronaldo_135 (DP), Volt_138 (DP), Ziko_137 (DP),

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Keelan_134 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:
•Start number 1 was manually annotated 5 times for cluster DP.
•Start number 2 was manually annotated 1 time for cluster DP.

Gene Information:

Gene: Fryberger_133 Start: 63596, Stop: 63859, Start Num: 1
Candidate Starts for Fryberger_133:
(Start: 1 @63596 has 5 MA's), (Start: 2 @63602 has 1 MA's), (3, 63659), (4, 63680), (5, 63686), (7, 63707), (8, 63716), (10, 63734), (12, 63755), (14, 63770), (16, 63794), (17, 63806), (18, 63815),

Gene: Guey18_138 Start: 64810, Stop: 65070, Start Num: 1
Candidate Starts for Guey18_138:
(Start: 1 @64810 has 5 MA's), (Start: 2 @64816 has 1 MA's), (3, 64873), (4, 64894), (5, 64900), (7, 64921), (10, 64948), (12, 64969), (14, 64984), (16, 65008), (18, 65029),

Gene: Keelan_134 Start: 64318, Stop: 64569, Start Num: 2
Candidate Starts for Keelan_134:
(Start: 2 @64318 has 1 MA's), (3, 64375), (6, 64411), (8, 64432), (9, 64435), (11, 64462), (12, 64471), (13, 64477), (15, 64489), (16, 64510),

Gene: Ronaldo_135 Start: 64501, Stop: 64764, Start Num: 1
Candidate Starts for Ronaldo_135:
(Start: 1 @64501 has 5 MA's), (Start: 2 @64507 has 1 MA's), (3, 64564), (4, 64585), (5, 64591), (7, 64612), (8, 64621), (10, 64639), (12, 64660), (14, 64675), (16, 64699), (17, 64711), (18, 64720),

Gene: Volt_138 Start: 64665, Stop: 64928, Start Num: 1
Candidate Starts for Volt_138:
(Start: 1 @64665 has 5 MA's), (Start: 2 @64671 has 1 MA's), (3, 64728), (4, 64749), (5, 64755), (7, 64776), (8, 64785), (10, 64803), (12, 64824), (14, 64839), (16, 64863), (17, 64875), (18, 64884),

Gene: Ziko_137 Start: 64772, Stop: 65032, Start Num: 1
Candidate Starts for Ziko_137:
(Start: 1 @64772 has 5 MA's), (Start: 2 @64778 has 1 MA's), (3, 64835), (4, 64856), (5, 64862), (7, 64883), (10, 64910), (12, 64931), (14, 64946), (16, 64970), (18, 64991),