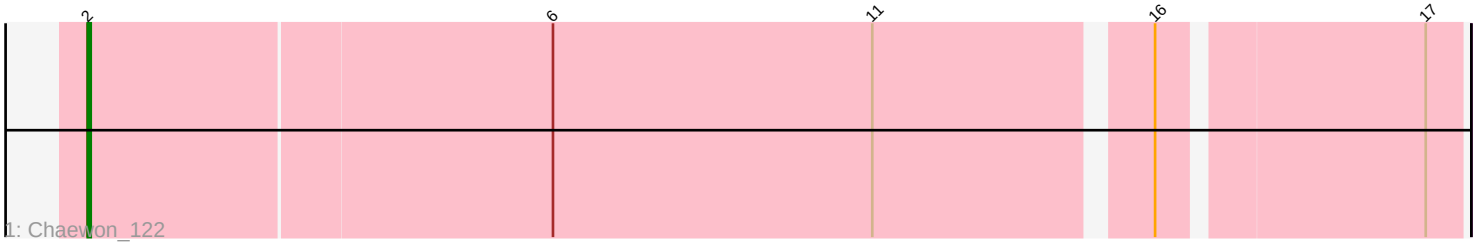
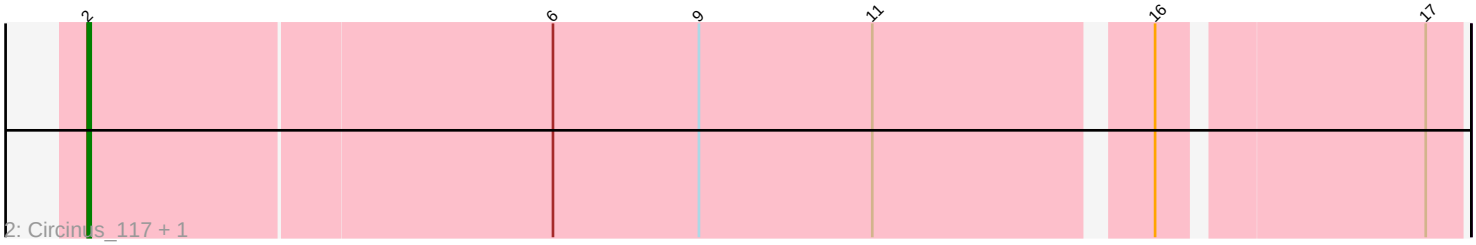
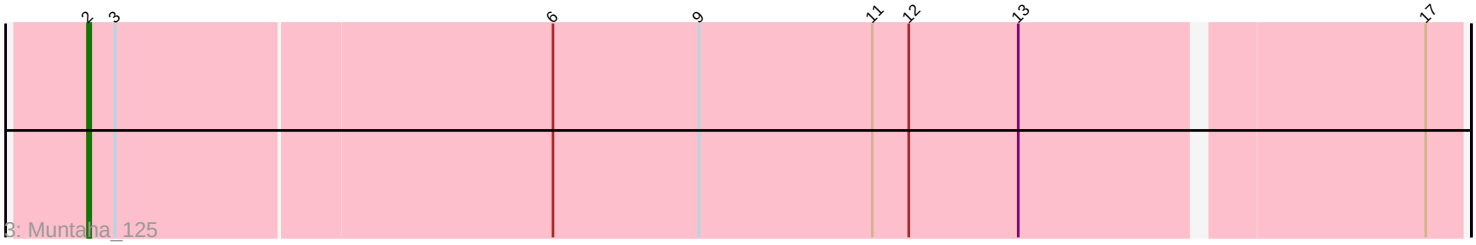
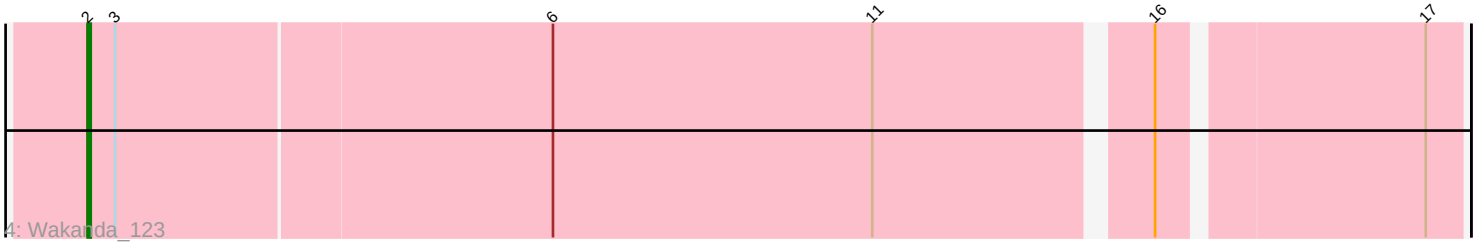
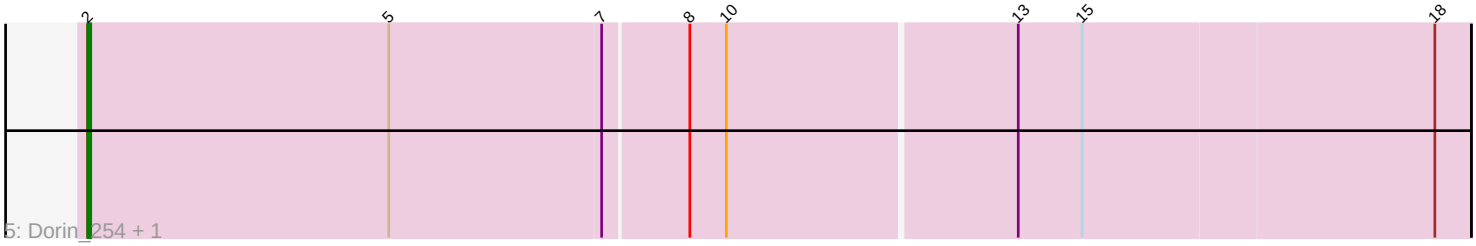
Pham 309917

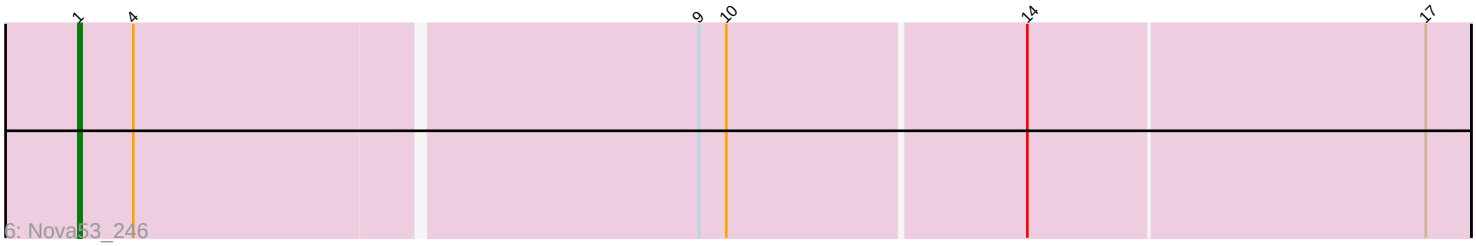

2
6
11
16
17
1: Chaewon_122


2
6
9
11
16
17
2: Circinus_117 + 1


2
3
6
9
11
12
13
17
3: Muntaha_125


2
3
6
11
16
17
4: Wakanda_123


2
5
7
8
10
13
15
18
5: Dorin_254 + 1


1
4
9
10
14
17
6: Nova53_246

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 309917 Report

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

Pham number 309917 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Chaewon_122
• Track 2 : Circinus_117, BillNye_116
• Track 3 : Muntaha_125
• Track 4 : Wakanda_123
• Track 5 : Dorin_254, Francesca_255
• Track 6 : Nova53_246

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillNye_116, Chaewon_122, Circinus_117, Dorin_254, Francesca_255, Muntaha_125, Wakanda_123,

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

Genes that do not have the "Most Annotated" start:
• Nova53_246,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_246 (CG),

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BillNye_116 (BK2), Chaewon_122 (BK2), Circinus_117 (BK2), Dorin_254 (CG), Francesca_255 (CG), Muntaha_125 (BK2), Wakanda_123 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: CG, BK2,

Info for manual annotations of cluster BK2:
•Start number 2 was manually annotated 5 times for cluster BK2.

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

Gene Information:

Gene: BillNye_116 Start: 74723, Stop: 75154, Start Num: 2
Candidate Starts for BillNye_116:
(Start: 2 @74723 has 7 MA's), (6, 74873), (9, 74921), (11, 74978), (16, 75062), (17, 75143),

Gene: Chaewon_122 Start: 74650, Stop: 75081, Start Num: 2
Candidate Starts for Chaewon_122:
(Start: 2 @74650 has 7 MA's), (6, 74800), (11, 74905), (16, 74989), (17, 75070),

Gene: Circinus_117 Start: 74712, Stop: 75143, Start Num: 2
Candidate Starts for Circinus_117:
(Start: 2 @74712 has 7 MA's), (6, 74862), (9, 74910), (11, 74967), (16, 75051), (17, 75132),

Gene: Dorin_254 Start: 126422, Stop: 126868, Start Num: 2
Candidate Starts for Dorin_254:
(Start: 2 @126422 has 7 MA's), (5, 126521), (7, 126590), (8, 126617), (10, 126629), (13, 126722), (15, 126743), (18, 126857),

Gene: Francesca_255 Start: 127065, Stop: 127511, Start Num: 2
Candidate Starts for Francesca_255:
(Start: 2 @127065 has 7 MA's), (5, 127164), (7, 127233), (8, 127260), (10, 127272), (13, 127365), (15, 127386), (18, 127500),

Gene: Muntaha_125 Start: 73731, Stop: 74171, Start Num: 2
Candidate Starts for Muntaha_125:
(Start: 2 @73731 has 7 MA's), (3, 73740), (6, 73881), (9, 73929), (11, 73986), (12, 73998), (13, 74034), (17, 74160),

Gene: Nova53_246 Start: 125057, Stop: 125503, Start Num: 1
Candidate Starts for Nova53_246:
(Start: 1 @125057 has 1 MA's), (4, 125075), (9, 125255), (10, 125264), (14, 125360), (17, 125489),

Gene: Wakanda_123 Start: 73573, Stop: 74004, Start Num: 2
Candidate Starts for Wakanda_123:
(Start: 2 @73573 has 7 MA's), (3, 73582), (6, 73723), (11, 73828), (16, 73912), (17, 73993),