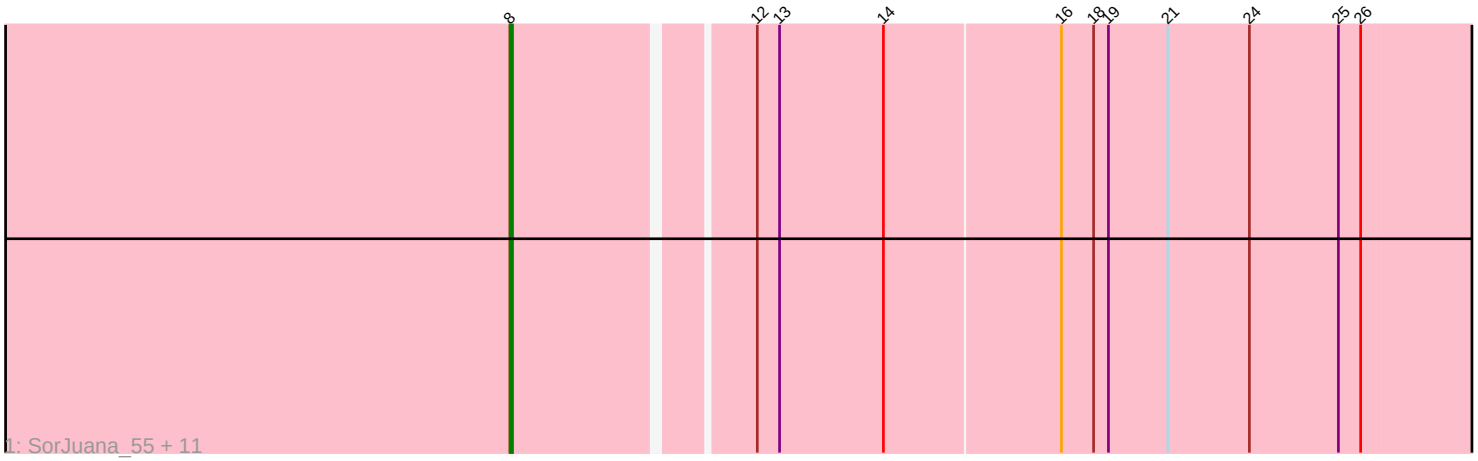
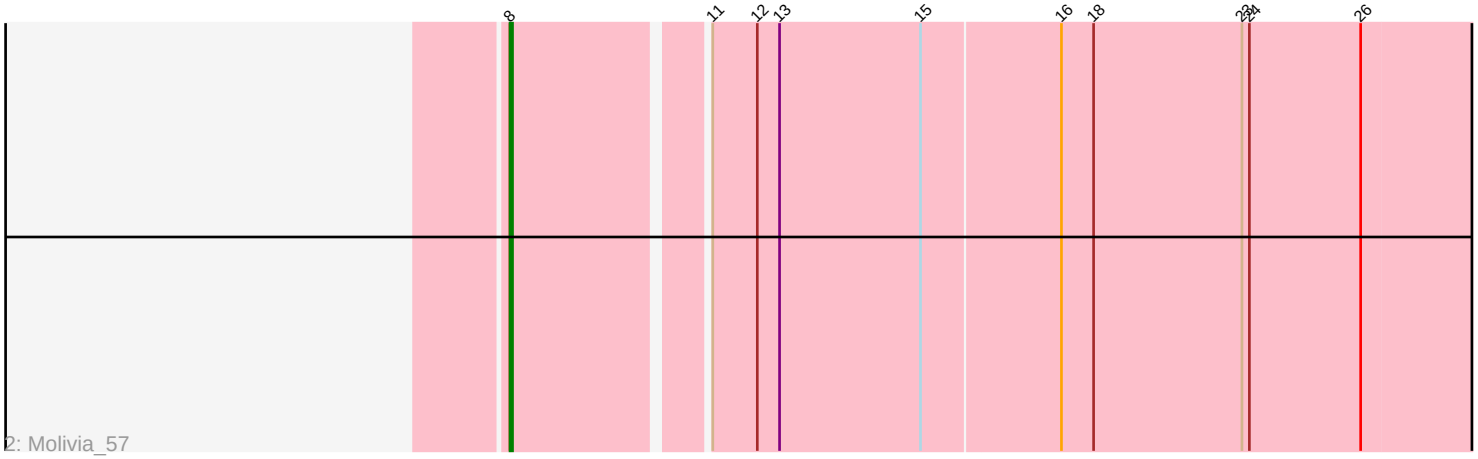
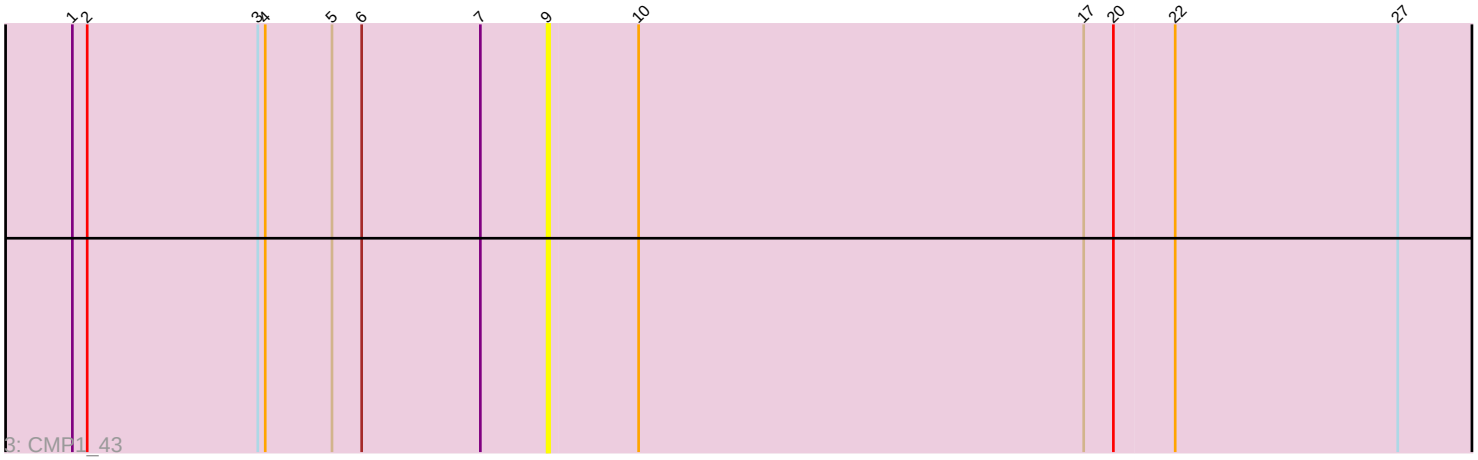
Pham 309552


8
12
13
14
16
18
19
21
24
25
26
1: SorJuana_55 + 11


8
11
12
13
15
16
18
22
24
26
2: Molivia_57


1
2
3
4
5
6
7
9
10
17
20
22
27
3: CMP1_43

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 309552 Report

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

Pham number 309552 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : SorJuana_55, Anansi_55, Yeezus_56, Jaek_56, Heylee_58, Ichor_56, Amavida_57, Amigo_56, Boersma_58, Thunderclap_55, Rings_56, Gorgeous_55
• Track 2 : Molivia_57
• Track 3 : CMP1_43

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_57, Amigo_56, Anansi_55, Boersma_58, Gorgeous_55, Heylee_58, Ichor_56, Jaek_56, Molivia_57, Rings_56, SorJuana_55, Thunderclap_55, Yeezus_56,

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

Genes that do not have the "Most Annotated" start:
• CMP1_43,

Summary by start number:

Start 8:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_57 (AQ), Amigo_56 (AQ), Anansi_55 (AQ), Boersma_58 (AQ), Gorgeous_55 (AQ), Heylee_58 (AQ), Ichor_56 (AQ), Jaek_56 (AQ), Molivia_57 (AQ), Rings_56 (AQ), SorJuana_55 (AQ), Thunderclap_55 (AQ), Yeezus_56 (AQ),

Start 9:
• Found in 1 of 14 (7.1%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CMP1_43 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: AQ, singleton,

Info for manual annotations of cluster AQ:
•Start number 8 was manually annotated 13 times for cluster AQ.

Gene Information:

Gene: Amavida_57 Start: 37044, Stop: 36664, Start Num: 8
Candidate Starts for Amavida_57:
(Start: 8 @37044 has 13 MA's), (12, 36954), (13, 36945), (14, 36903), (16, 36834), (18, 36822), (19, 36816), (21, 36792), (24, 36759), (25, 36723), (26, 36714),

Gene: Amigo_56 Start: 37259, Stop: 36879, Start Num: 8
Candidate Starts for Amigo_56:
(Start: 8 @37259 has 13 MA's), (12, 37169), (13, 37160), (14, 37118), (16, 37049), (18, 37037), (19, 37031), (21, 37007), (24, 36974), (25, 36938), (26, 36929),

Gene: Anansi_55 Start: 36866, Stop: 36486, Start Num: 8
Candidate Starts for Anansi_55:
(Start: 8 @36866 has 13 MA's), (12, 36776), (13, 36767), (14, 36725), (16, 36656), (18, 36644), (19, 36638), (21, 36614), (24, 36581), (25, 36545), (26, 36536),

Gene: Boersma_58 Start: 37259, Stop: 36879, Start Num: 8
Candidate Starts for Boersma_58:
(Start: 8 @37259 has 13 MA's), (12, 37169), (13, 37160), (14, 37118), (16, 37049), (18, 37037), (19, 37031), (21, 37007), (24, 36974), (25, 36938), (26, 36929),

Gene: CMP1_43 Start: 40323, Stop: 39946, Start Num: 9
Candidate Starts for CMP1_43:
(1, 40515), (2, 40509), (3, 40440), (4, 40437), (5, 40410), (6, 40398), (7, 40350), (9, 40323), (10, 40287), (17, 40107), (20, 40095), (22, 40071), (27, 39981),

Gene: Gorgeous_55 Start: 36866, Stop: 36486, Start Num: 8
Candidate Starts for Gorgeous_55:
(Start: 8 @36866 has 13 MA's), (12, 36776), (13, 36767), (14, 36725), (16, 36656), (18, 36644), (19, 36638), (21, 36614), (24, 36581), (25, 36545), (26, 36536),

Gene: Heylee_58 Start: 37044, Stop: 36664, Start Num: 8
Candidate Starts for Heylee_58:
(Start: 8 @37044 has 13 MA's), (12, 36954), (13, 36945), (14, 36903), (16, 36834), (18, 36822), (19, 36816), (21, 36792), (24, 36759), (25, 36723), (26, 36714),

Gene: Ichor_56 Start: 37259, Stop: 36879, Start Num: 8
Candidate Starts for Ichor_56:

(Start: 8 @37259 has 13 MA's), (12, 37169), (13, 37160), (14, 37118), (16, 37049), (18, 37037), (19, 37031), (21, 37007), (24, 36974), (25, 36938), (26, 36929),

Gene: Jaek_56 Start: 37259, Stop: 36879, Start Num: 8
Candidate Starts for Jaek_56:
(Start: 8 @37259 has 13 MA's), (12, 37169), (13, 37160), (14, 37118), (16, 37049), (18, 37037), (19, 37031), (21, 37007), (24, 36974), (25, 36938), (26, 36929),

Gene: Molivia_57 Start: 35685, Stop: 35308, Start Num: 8
Candidate Starts for Molivia_57:
(Start: 8 @35685 has 13 MA's), (11, 35613), (12, 35595), (13, 35586), (15, 35529), (16, 35475), (18, 35463), (23, 35403), (24, 35400), (26, 35355),

Gene: Rings_56 Start: 37307, Stop: 36927, Start Num: 8
Candidate Starts for Rings_56:
(Start: 8 @37307 has 13 MA's), (12, 37217), (13, 37208), (14, 37166), (16, 37097), (18, 37085), (19, 37079), (21, 37055), (24, 37022), (25, 36986), (26, 36977),

Gene: SorJuana_55 Start: 36866, Stop: 36486, Start Num: 8
Candidate Starts for SorJuana_55:
(Start: 8 @36866 has 13 MA's), (12, 36776), (13, 36767), (14, 36725), (16, 36656), (18, 36644), (19, 36638), (21, 36614), (24, 36581), (25, 36545), (26, 36536),

Gene: Thunderclap_55 Start: 37288, Stop: 36908, Start Num: 8
Candidate Starts for Thunderclap_55:
(Start: 8 @37288 has 13 MA's), (12, 37198), (13, 37189), (14, 37147), (16, 37078), (18, 37066), (19, 37060), (21, 37036), (24, 37003), (25, 36967), (26, 36958),

Gene: Yeezus_56 Start: 37258, Stop: 36878, Start Num: 8
Candidate Starts for Yeezus_56:
(Start: 8 @37258 has 13 MA's), (12, 37168), (13, 37159), (14, 37117), (16, 37048), (18, 37036), (19, 37030), (21, 37006), (24, 36973), (25, 36937), (26, 36928),