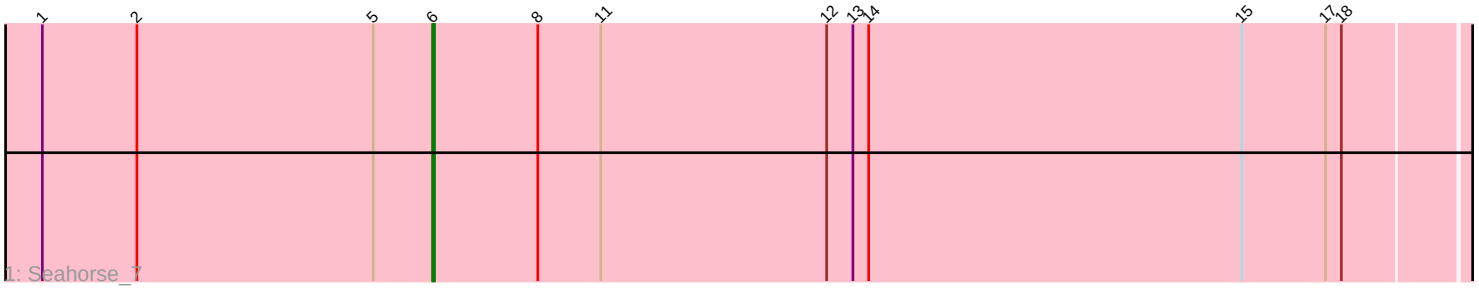
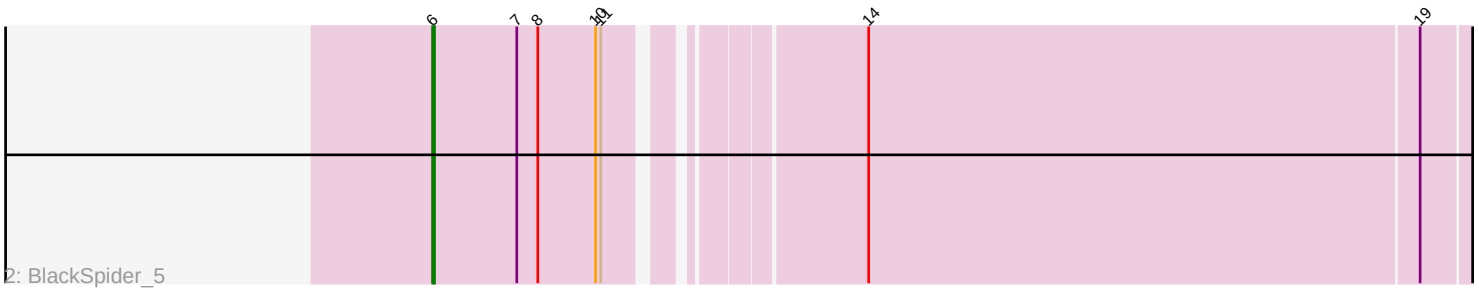
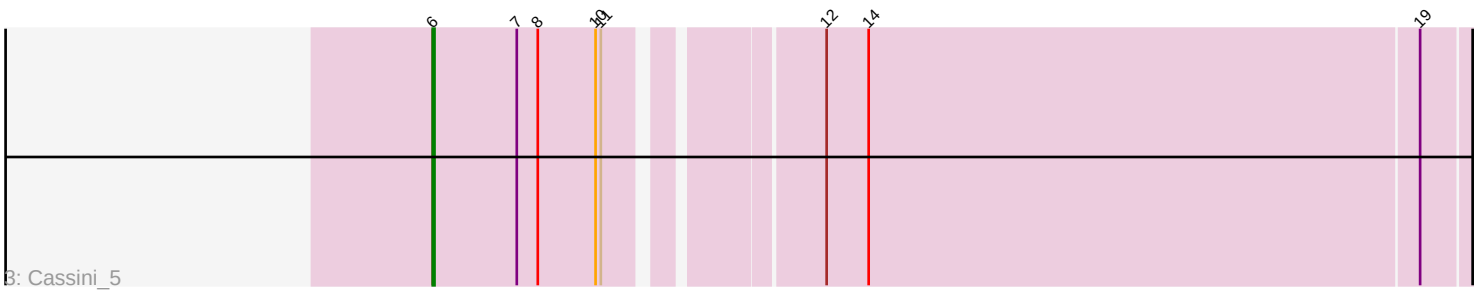
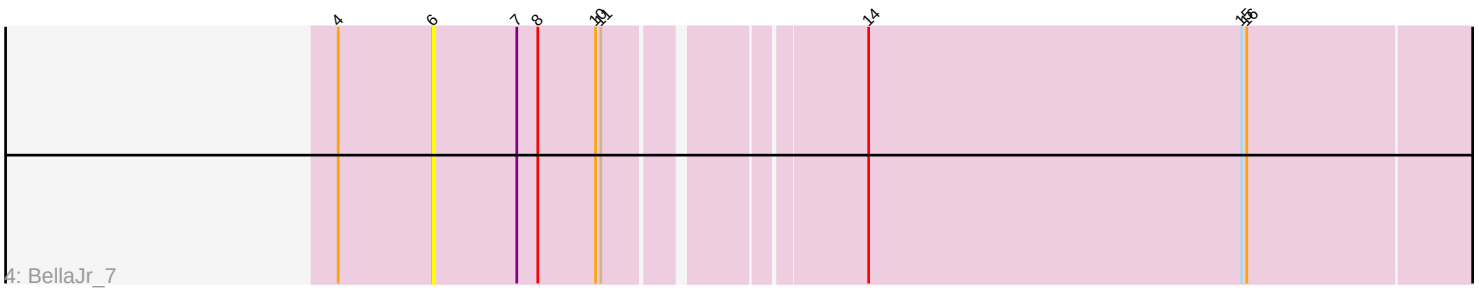
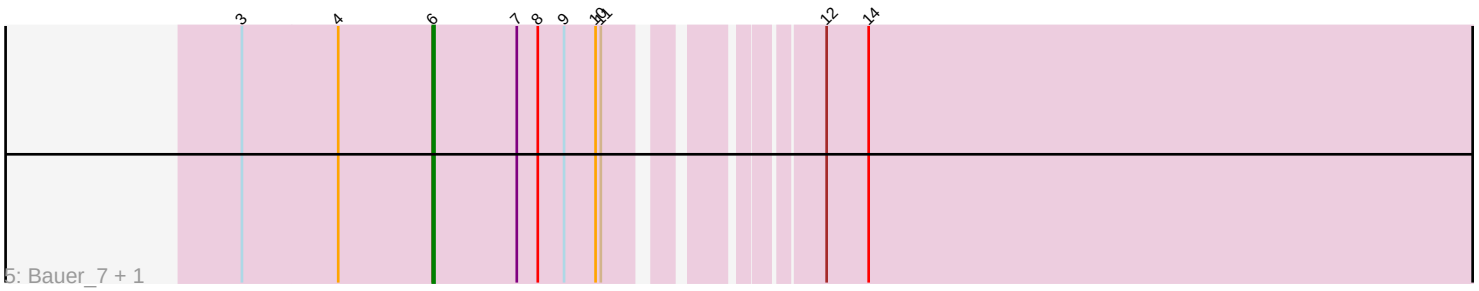
Pham 346566


1
2
5
6
8
11
12
13
14
15
17
18
1: Seahorse_7


6
7
8
10
11
14
19
2: BlackSpider_5


6
7
8
10
11
12
14
19
3: Cassini_5


4
6
7
8
10
11
14
15
16
4: BellaJr_7


3
4
6
7
8
9
10
11
12
14
5: Bauer_7 + 1

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 346566 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346566 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Seahorse_7
• Track 2 : BlackSpider_5
• Track 3 : Cassini_5
• Track 4 : BellaJr_7
• Track 5 : Bauer_7, Zucker_6

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

Genes that call this "Most Annotated" start:
• Bauer_7, BellaJr_7, BlackSpider_5, Cassini_5, Seahorse_7, Zucker_6,

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 6:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_7 (FN), BellaJr_7 (FN), BlackSpider_5 (FN), Cassini_5 (FN), Seahorse_7 (AY), Zucker_6 (FN),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:

•Start number 6 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FN:
•Start number 6 was manually annotated 4 times for cluster FN.

Gene Information:

Gene: Bauer_7 Start: 5263, Stop: 5898, Start Num: 6
Candidate Starts for Bauer_7:
(3, 5155), (4, 5209), (Start: 6 @5263 has 5 MA's), (7, 5311), (8, 5323), (9, 5338), (10, 5356), (11, 5359), (12, 5455), (14, 5479),

Gene: BellaJr_7 Start: 5317, Stop: 5961, Start Num: 6
Candidate Starts for BellaJr_7:
(4, 5263), (Start: 6 @5317 has 5 MA's), (7, 5365), (8, 5377), (10, 5410), (11, 5413), (14, 5545), (15, 5758), (16, 5761),

Gene: BlackSpider_5 Start: 4325, Stop: 4957, Start Num: 6
Candidate Starts for BlackSpider_5:
(Start: 6 @4325 has 5 MA's), (7, 4373), (8, 4385), (10, 4418), (11, 4421), (14, 4544), (19, 4856),

Gene: Cassini_5 Start: 4290, Stop: 4931, Start Num: 6
Candidate Starts for Cassini_5:
(Start: 6 @4290 has 5 MA's), (7, 4338), (8, 4350), (10, 4383), (11, 4386), (12, 4491), (14, 4515), (19, 4827),

Gene: Seahorse_7 Start: 5084, Stop: 5734, Start Num: 6
Candidate Starts for Seahorse_7:
(1, 4862), (2, 4916), (5, 5051), (Start: 6 @5084 has 5 MA's), (8, 5144), (11, 5180), (12, 5309), (13, 5324), (14, 5333), (15, 5546), (17, 5594), (18, 5603),

Gene: Zucker_6 Start: 4575, Stop: 5210, Start Num: 6
Candidate Starts for Zucker_6:
(3, 4467), (4, 4521), (Start: 6 @4575 has 5 MA's), (7, 4623), (8, 4635), (9, 4650), (10, 4668), (11, 4671), (12, 4767), (14, 4791),