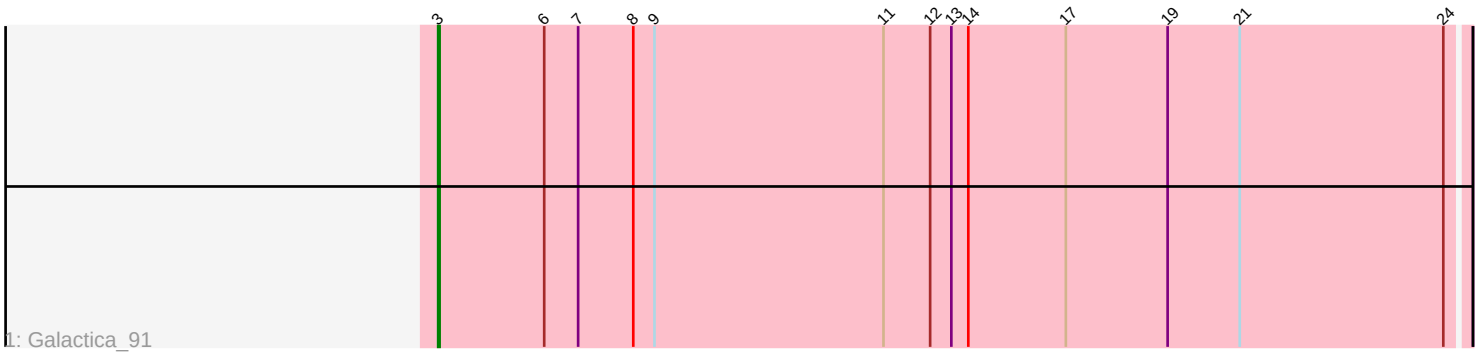
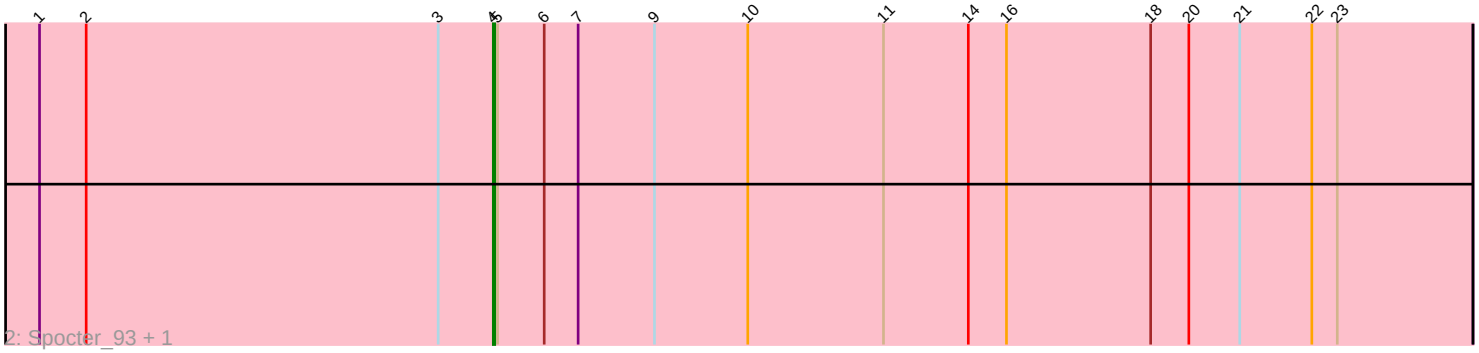
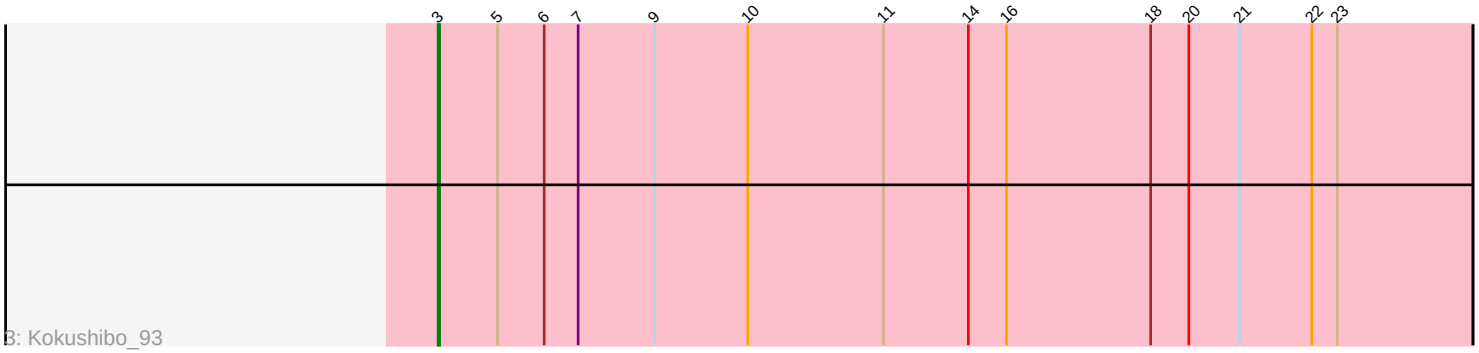
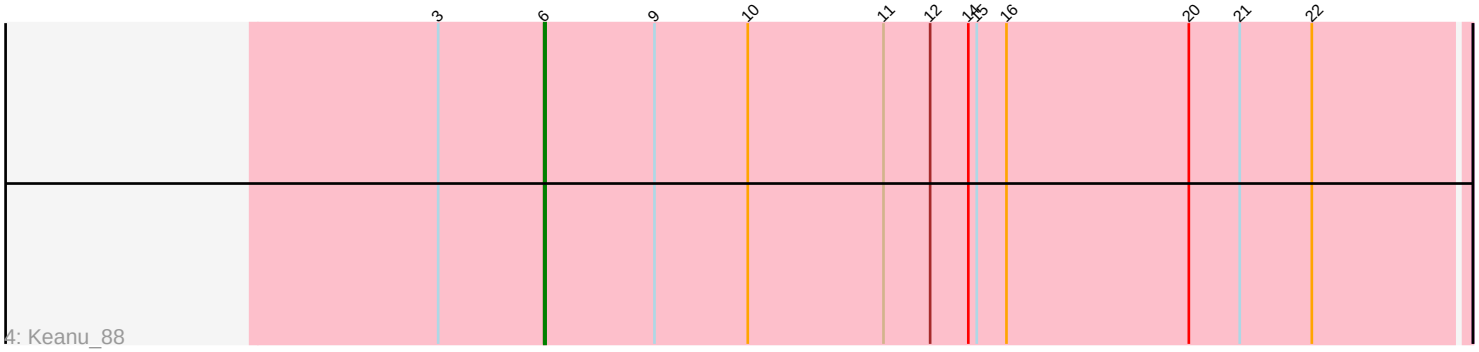
Pham 342956


3
6
7
8
9
11
12
13
14
17
19
21
24
1: Galactica_91


1
2
3
5
6
7
9
10
11
14
16
18
20
21
22
23
2: Spocter_93 + 1


3
5
6
7
9
10
11
14
16
18
20
21
22
23
3: Kokushibo_93


3
6
9
10
11
12
14
15
16
20
21
22
4: Keanu_88

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 342956 Report

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

Pham number 342956 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Galactica_91
• Track 2 : Spocter_93, Hiyaa_93
• Track 3 : Kokushibo_93
• Track 4 : Keanu_88

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hiyaa_93, Spocter_93,

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

Genes that do not have the "Most Annotated" start:
• Galactica_91, Keanu_88, Kokushibo_93,

Summary by start number:

Start 3:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Galactica_91 (BQ), Kokushibo_93 (BQ),

Start 4:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hiyaa_93 (BQ), Spocter_93 (BQ),

Start 6:

• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Keanu_88 (BQ),

Summary by clusters:

There is one cluster represented in this pham: BQ

Info for manual annotations of cluster BQ:
•Start number 3 was manually annotated 2 times for cluster BQ.
•Start number 4 was manually annotated 2 times for cluster BQ.
•Start number 6 was manually annotated 1 time for cluster BQ.

Gene Information:

Gene: Galactica_91 Start: 62919, Stop: 63644, Start Num: 3
Candidate Starts for Galactica_91:
(Start: 3 @62919 has 2 MA's), (Start: 6 @62994 has 1 MA's), (7, 63018), (8, 63057), (9, 63072), (11, 63234), (12, 63267), (13, 63282), (14, 63294), (17, 63363), (19, 63435), (21, 63486), (24, 63630),

Gene: Hiyaa_93 Start: 63765, Stop: 64457, Start Num: 4
Candidate Starts for Hiyaa_93:
(1, 63444), (2, 63477), (Start: 3 @63726 has 2 MA's), (Start: 4 @63765 has 2 MA's), (5, 63768), (Start: 6 @63801 has 1 MA's), (7, 63825), (9, 63879), (10, 63945), (11, 64041), (14, 64101), (16, 64128), (18, 64230), (20, 64257), (21, 64293), (22, 64344), (23, 64362),

Gene: Keanu_88 Start: 62948, Stop: 63598, Start Num: 6
Candidate Starts for Keanu_88:
(Start: 3 @62873 has 2 MA's), (Start: 6 @62948 has 1 MA's), (9, 63026), (10, 63092), (11, 63188), (12, 63221), (14, 63248), (15, 63254), (16, 63275), (20, 63404), (21, 63440), (22, 63491),

Gene: Kokushibo_93 Start: 63743, Stop: 64474, Start Num: 3
Candidate Starts for Kokushibo_93:
(Start: 3 @63743 has 2 MA's), (5, 63785), (Start: 6 @63818 has 1 MA's), (7, 63842), (9, 63896), (10, 63962), (11, 64058), (14, 64118), (16, 64145), (18, 64247), (20, 64274), (21, 64310), (22, 64361), (23, 64379),

Gene: Spocter_93 Start: 64126, Stop: 64818, Start Num: 4
Candidate Starts for Spocter_93:
(1, 63805), (2, 63838), (Start: 3 @64087 has 2 MA's), (Start: 4 @64126 has 2 MA's), (5, 64129), (Start: 6 @64162 has 1 MA's), (7, 64186), (9, 64240), (10, 64306), (11, 64402), (14, 64462), (16, 64489), (18, 64591), (20, 64618), (21, 64654), (22, 64705), (23, 64723),