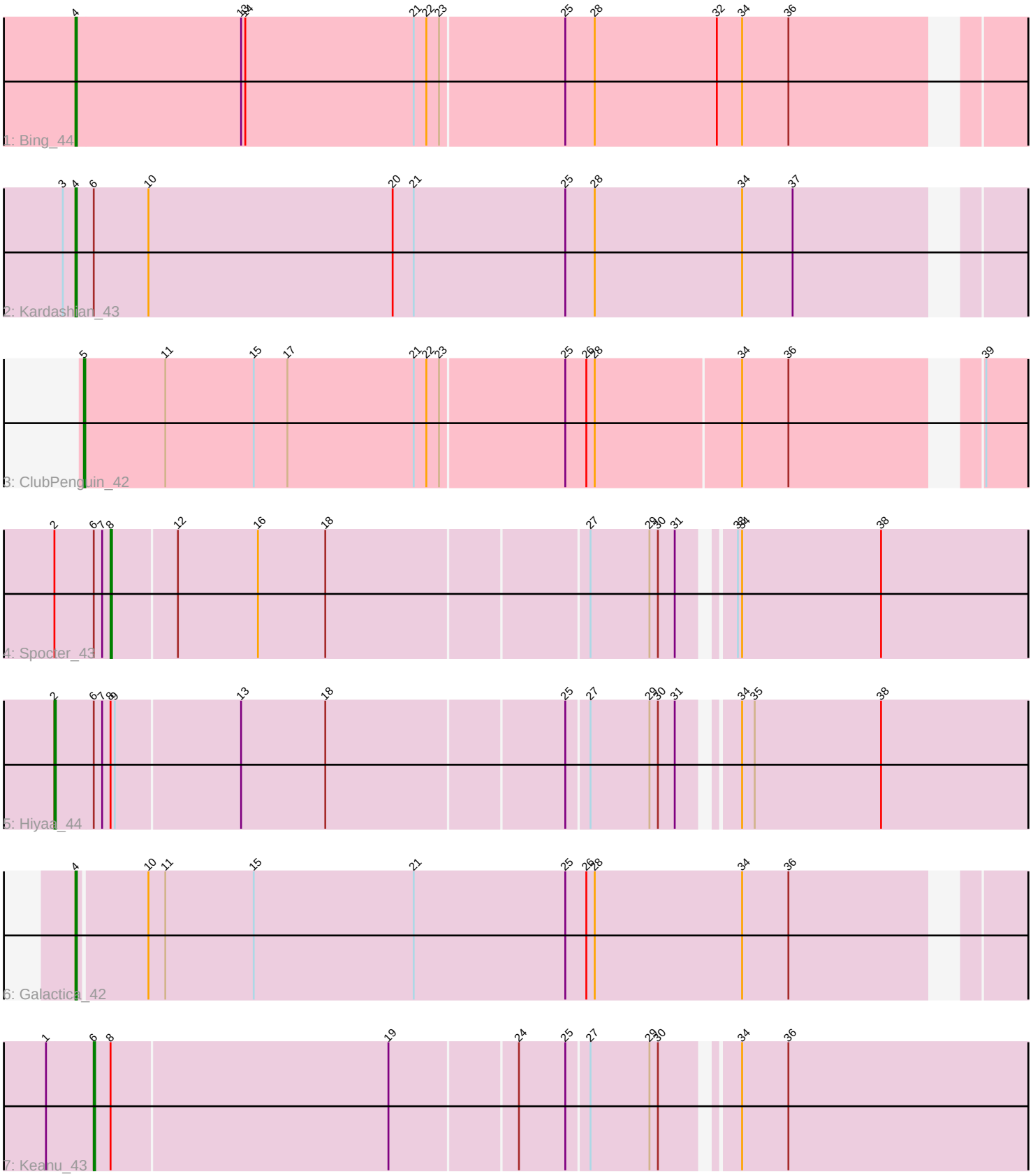
Pham 197170


1: Bing_44
2: Kardashian_43
3: ClubPenguin_42
4: Spocter_43
5: Hiyaa_44
6: Galactica_42
7: Keanu_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 197170 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197170 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bing_44
• Track 2 : Kardashian_43
• Track 3 : ClubPenguin_42
• Track 4 : Spocter_43
• Track 5 : Hiyaa_44
• Track 6 : Galactica_42
• Track 7 : Keanu_43

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bing_44, Galactica_42, Kardashian_43,

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

Genes that do not have the "Most Annotated" start:
• ClubPenguin_42, Hiyaa_44, Keanu_43, Spocter_43,

Summary by start number:

Start 2:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hiyaa_44 (BQ),

Start 4:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bing_44 (BI5), Galactica_42 (BQ), Kardashian_43 (BI6),

Start 5:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ClubPenguin_42 (BI7),

Start 6:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Keanu_43 (BQ),

Start 8:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Spocter_43 (BQ),

Summary by clusters:

There are 4 clusters represented in this pham: BI6, BI7, BI5, BQ,

Info for manual annotations of cluster BI5:
•Start number 4 was manually annotated 1 time for cluster BI5.

Info for manual annotations of cluster BI6:
•Start number 4 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:
•Start number 5 was manually annotated 1 time for cluster BI7.

Info for manual annotations of cluster BQ:
•Start number 2 was manually annotated 1 time for cluster BQ.
•Start number 4 was manually annotated 1 time for cluster BQ.
•Start number 6 was manually annotated 1 time for cluster BQ.
•Start number 8 was manually annotated 1 time for cluster BQ.

Gene Information:

Gene: Bing_44 Start: 29532, Stop: 30185, Start Num: 4
Candidate Starts for Bing_44:
(Start: 4 @29532 has 3 MA's), (13, 29649), (14, 29652), (21, 29772), (22, 29781), (23, 29790), (25, 29877), (28, 29898), (32, 29985), (34, 30003), (36, 30036),

Gene: ClubPenguin_42 Start: 28804, Stop: 29448, Start Num: 5
Candidate Starts for ClubPenguin_42:
(Start: 5 @28804 has 1 MA's), (11, 28861), (15, 28924), (17, 28948), (21, 29038), (22, 29047), (23, 29056), (25, 29143), (26, 29158), (28, 29164), (34, 29266), (36, 29299), (39, 29413),

Gene: Galactica_42 Start: 30036, Stop: 30689, Start Num: 4
Candidate Starts for Galactica_42:
(Start: 4 @30036 has 3 MA's), (10, 30084), (11, 30096), (15, 30159), (21, 30273), (25, 30381), (26, 30396), (28, 30402), (34, 30507), (36, 30540),

Gene: Hiyaa_44 Start: 31405, Stop: 32076, Start Num: 2
Candidate Starts for Hiyaa_44:
(Start: 2 @31405 has 1 MA's), (Start: 6 @31432 has 1 MA's), (7, 31438), (Start: 8 @31444 has 1 MA's), (9, 31447), (13, 31534), (18, 31594), (25, 31759), (27, 31774), (29, 31816), (30, 31822), (31, 31834), (34, 31867), (35, 31876), (38, 31966),

Gene: Kardashian_43 Start: 30111, Stop: 30767, Start Num: 4
Candidate Starts for Kardashian_43:
(3, 30102), (Start: 4 @30111 has 3 MA's), (Start: 6 @30123 has 1 MA's), (10, 30162), (20, 30336), (21, 30351), (25, 30459), (28, 30480), (34, 30585), (37, 30621),

Gene: Keanu_43 Start: 31141, Stop: 31785, Start Num: 6
Candidate Starts for Keanu_43:
(1, 31108), (Start: 6 @31141 has 1 MA's), (Start: 8 @31153 has 1 MA's), (19, 31348), (24, 31435), (25, 31468), (27, 31483), (29, 31525), (30, 31531), (34, 31576), (36, 31609),

Gene: Spocter_43 Start: 31367, Stop: 31999, Start Num: 8
Candidate Starts for Spocter_43:
(Start: 2 @31328 has 1 MA's), (Start: 6 @31355 has 1 MA's), (7, 31361), (Start: 8 @31367 has 1 MA's), (12, 31412), (16, 31469), (18, 31517), (27, 31697), (29, 31739), (30, 31745), (31, 31757), (33, 31787), (34, 31790), (38, 31889),