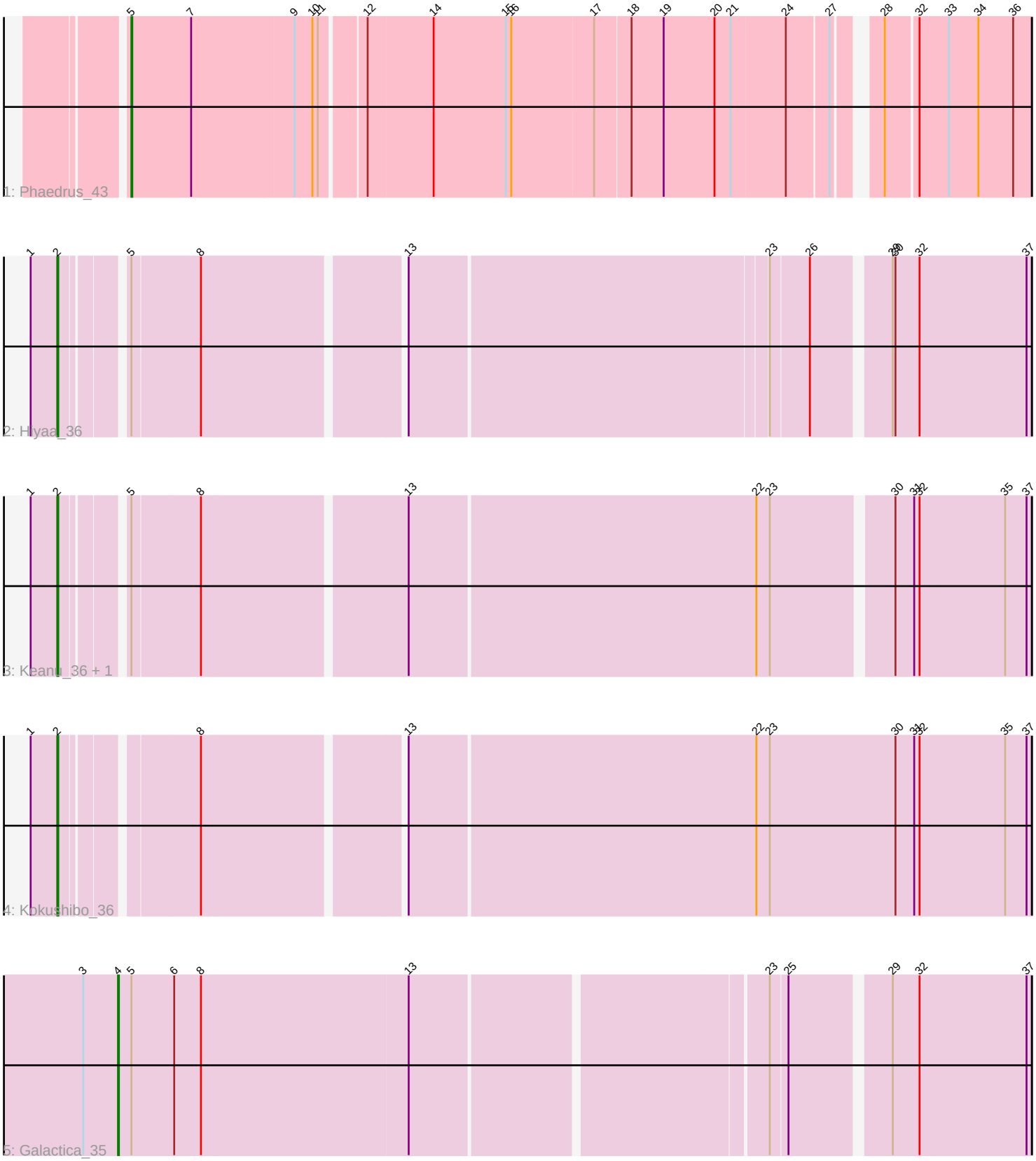
Pham 344773


1: Phaedrus_43
2: Hiyaa_36
3: Keanu_36 + 1
4: Kokushibo_36
5: Galactica_35

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 344773 Report

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

Pham number 344773 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phaedrus_43
• Track 2 : Hiyaa_36
• Track 3 : Keanu_36, Spocter_35
• Track 4 : Kokushibo_36
• Track 5 : Galactica_35

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hiyaa_36, Keanu_36, Kokushibo_36, Spocter_35,

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

Genes that do not have the "Most Annotated" start:
• Galactica_35, Phaedrus_43,

Summary by start number:

Start 2:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hiyaa_36 (BQ), Keanu_36 (BQ), Kokushibo_36 (BQ), Spocter_35 (BQ),

Start 4:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_35 (BQ),

Start 5:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Phaedrus_43 (B3),

Summary by clusters:

There are 2 clusters represented in this pham: BQ, B3,

Info for manual annotations of cluster B3:
•Start number 5 was manually annotated 1 time for cluster B3.

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

Gene Information:

Gene: Galactica_35 Start: 25932, Stop: 26900, Start Num: 4
Candidate Starts for Galactica_35:
(3, 25893), (Start: 4 @25932 has 1 MA's), (Start: 5 @25947 has 1 MA's), (6, 25992), (8, 26022), (13, 26250), (23, 26625), (25, 26643), (29, 26745), (32, 26775), (37, 26895),

Gene: Hiyaa_36 Start: 27139, Stop: 28143, Start Num: 2
Candidate Starts for Hiyaa_36:
(1, 27109), (Start: 2 @27139 has 4 MA's), (Start: 5 @27199 has 1 MA's), (8, 27271), (13, 27481), (23, 27868), (26, 27910), (29, 27988), (30, 27991), (32, 28018), (37, 28138),

Gene: Keanu_36 Start: 26959, Stop: 27984, Start Num: 2
Candidate Starts for Keanu_36:
(1, 26929), (Start: 2 @26959 has 4 MA's), (Start: 5 @27019 has 1 MA's), (8, 27091), (13, 27310), (22, 27691), (23, 27706), (30, 27832), (31, 27853), (32, 27859), (35, 27955), (37, 27979),

Gene: Kokushibo_36 Start: 27062, Stop: 28093, Start Num: 2
Candidate Starts for Kokushibo_36:
(1, 27032), (Start: 2 @27062 has 4 MA's), (8, 27194), (13, 27404), (22, 27785), (23, 27800), (30, 27941), (31, 27962), (32, 27968), (35, 28064), (37, 28088),

Gene: Phaedrus_43 Start: 40373, Stop: 39429, Start Num: 5
Candidate Starts for Phaedrus_43:
(Start: 5 @40373 has 1 MA's), (7, 40307), (9, 40196), (10, 40178), (11, 40172), (12, 40127), (14, 40055), (15, 39974), (16, 39968), (17, 39878), (18, 39839), (19, 39803), (20, 39746), (21, 39728), (24, 39668), (27, 39623), (28, 39587), (32, 39554), (33, 39521), (34, 39488), (36, 39449),

Gene: Spocter_35 Start: 27035, Stop: 28066, Start Num: 2
Candidate Starts for Spocter_35:
(1, 27005), (Start: 2 @27035 has 4 MA's), (Start: 5 @27095 has 1 MA's), (8, 27167), (13, 27377), (22, 27758), (23, 27773), (30, 27914), (31, 27935), (32, 27941), (35, 28037), (37, 28061),