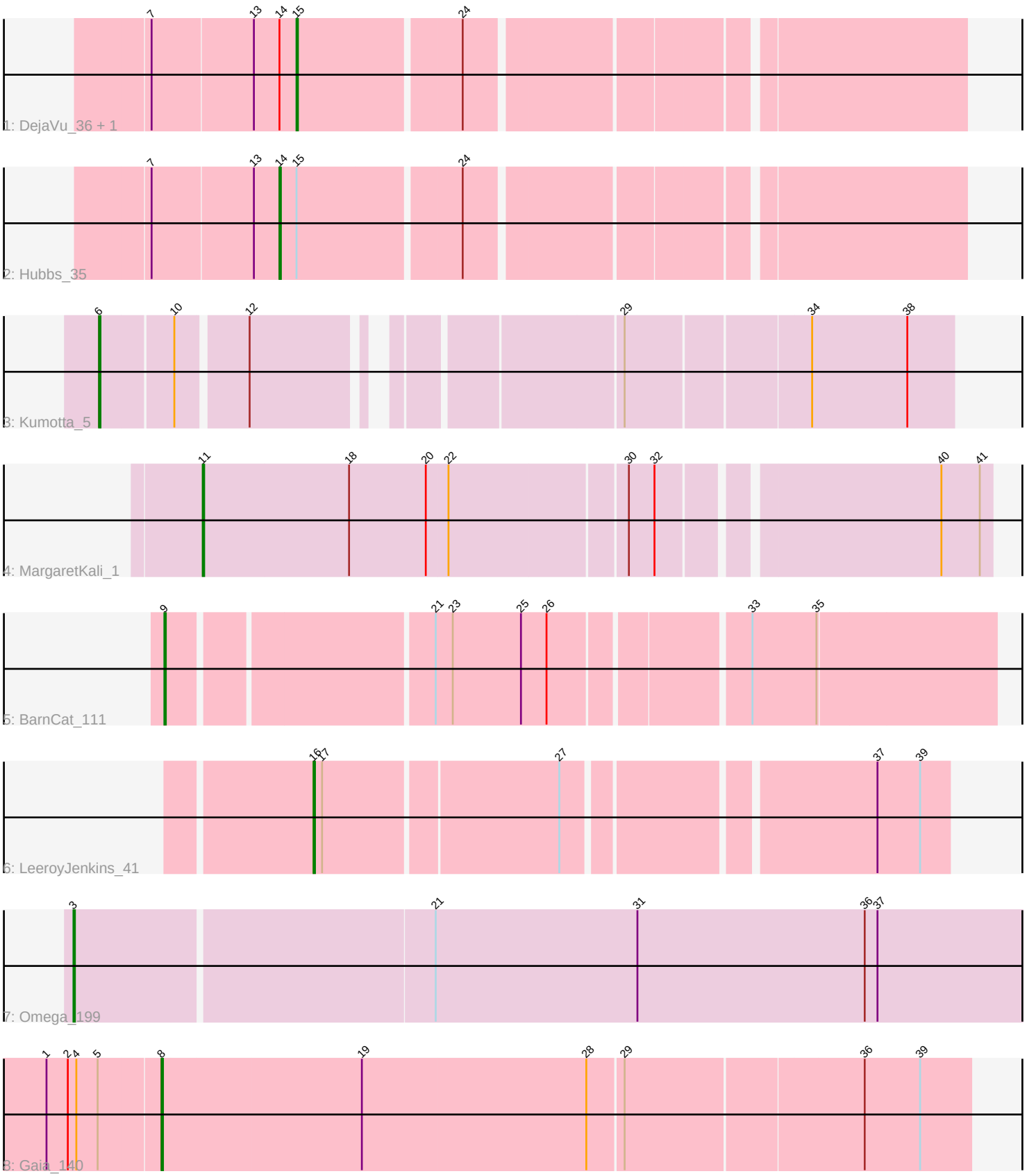
Pham 225123


7
13
14
15
24
1: DejaVu_36 + 1
7
13
14
15
24
2: Hubbs_35
6
10
12
29
34
38
3: Kumotta_5
11
18
20
22
30
32
40
41
4: MargaretKali_1
9
21
23
25
26
33
35
5: BarnCat_111
16
17
27
37
39
6: LeeroyJenkins_41
3
21
31
36
37
7: Omega_199
1
2
4
5
8
19
28
29
36
39
8: Gaia_140

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 225123 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225123 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DejaVu_36, Roman_35
• Track 2 : Hubbs_35
• Track 3 : Kumotta_5
• Track 4 : MargaretKali_1
• Track 5 : BarnCat_111
• Track 6 : LeeroyJenkins_41
• Track 7 : Omega_199
• Track 8 : Gaia_140

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

The start number called the most often in the published annotations is 15, it was called in 2 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DejaVu_36, Roman_35,

Genes that have the "Most Annotated" start but do not call it:
• Hubbs_35,

Genes that do not have the "Most Annotated" start:
• BarnCat_111, Gaia_140, Kumotta_5, LeeroyJenkins_41, MargaretKali_1, Omega_199,

Summary by start number:

Start 3:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Omega_199 (J),

Start 6:
• Found in 1 of 9 (11.1%) of genes in pham

• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_5 (FB),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_140 (X),

Start 9:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_111 (GB),

Start 11:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MargaretKali_1 (FB),

Start 14:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hubbs_35 (ED1),

Start 15:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DejaVu_36 (ED1), Roman_35 (ED1),

Start 16:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LeeroyJenkins_41 (GB),

Summary by clusters:

There are 5 clusters represented in this pham: X, FB, ED1, GB, J,

Info for manual annotations of cluster ED1:
•Start number 14 was manually annotated 1 time for cluster ED1.
•Start number 15 was manually annotated 2 times for cluster ED1.

Info for manual annotations of cluster FB:
•Start number 6 was manually annotated 1 time for cluster FB.
•Start number 11 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster GB:

•Start number 9 was manually annotated 1 time for cluster GB.
•Start number 16 was manually annotated 1 time for cluster GB.

Info for manual annotations of cluster J:
•Start number 3 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster X:
•Start number 8 was manually annotated 1 time for cluster X.

Gene Information:

Gene: BarnCat_111 Start: 57019, Stop: 57567, Start Num: 9
Candidate Starts for BarnCat_111:
(Start: 9 @57019 has 1 MA's), (21, 57193), (23, 57205), (25, 57253), (26, 57271), (33, 57400), (35, 57445),

Gene: DejaVu_36 Start: 15500, Stop: 15066, Start Num: 15
Candidate Starts for DejaVu_36:
(7, 15599), (13, 15530), (Start: 14 @15512 has 1 MA's), (Start: 15 @15500 has 2 MA's), (24, 15392),

Gene: Gaia_140 Start: 75742, Stop: 76296, Start Num: 8
Candidate Starts for Gaia_140:
(1, 75664), (2, 75679), (4, 75685), (5, 75700), (Start: 8 @75742 has 1 MA's), (19, 75880), (28, 76036), (29, 76060), (36, 76222), (39, 76261),

Gene: Hubbs_35 Start: 15724, Stop: 15278, Start Num: 14
Candidate Starts for Hubbs_35:
(7, 15811), (13, 15742), (Start: 14 @15724 has 1 MA's), (Start: 15 @15712 has 2 MA's), (24, 15604),

Gene: Kumotta_5 Start: 4506, Stop: 5042, Start Num: 6
Candidate Starts for Kumotta_5:
(Start: 6 @4506 has 1 MA's), (10, 4554), (12, 4599), (29, 4821), (34, 4944), (38, 5010),

Gene: LeeroyJenkins_41 Start: 21889, Stop: 21473, Start Num: 16
Candidate Starts for LeeroyJenkins_41:
(Start: 16 @21889 has 1 MA's), (17, 21883), (27, 21724), (37, 21523), (39, 21493),

Gene: MargaretKali_1 Start: 50, Stop: 577, Start Num: 11
Candidate Starts for MargaretKali_1:
(Start: 11 @50 has 1 MA's), (18, 152), (20, 206), (22, 221), (30, 341), (32, 359), (40, 542), (41, 569),

Gene: Omega_199 Start: 97671, Stop: 98360, Start Num: 3
Candidate Starts for Omega_199:
(Start: 3 @97671 has 1 MA's), (21, 97917), (31, 98058), (36, 98217), (37, 98226),

Gene: Roman_35 Start: 15559, Stop: 15125, Start Num: 15
Candidate Starts for Roman_35:
(7, 15658), (13, 15589), (Start: 14 @15571 has 1 MA's), (Start: 15 @15559 has 2 MA's), (24, 15451),