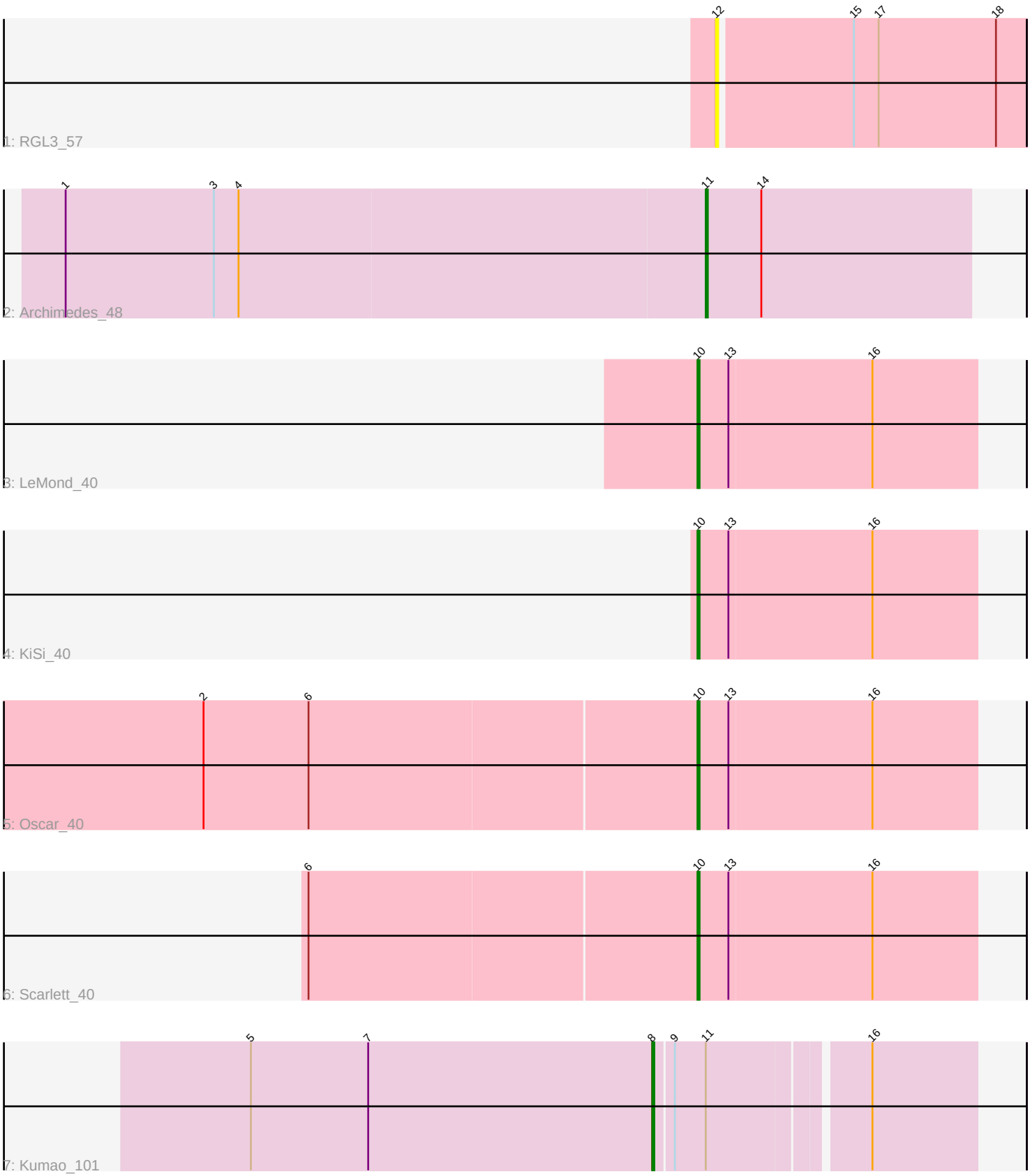
Pham 284541


12
15
17
18
1: RGL3_57
1
3
4
11
14
2: Archimedes_48
10
13
16
3: LeMond_40
10
13
16
4: KiSi_40
2
6
10
13
16
5: Oscar_40
6
10
13
16
6: Scarlett_40
5
7
8
9
11
16
7: Kumao_101

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 284541 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284541 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : RGL3_57
• Track 2 : Archimedes_48
• Track 3 : LeMond_40
• Track 4 : KiSi_40
• Track 5 : Oscar_40
• Track 6 : Scarlett_40
• Track 7 : Kumao_101

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• KiSi_40, LeMond_40, Oscar_40, Scarlett_40,

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

Genes that do not have the "Most Annotated" start:
• Archimedes_48, Kumao_101, RGL3_57,

Summary by start number:

Start 8:
• Found in 1 of 7 (14.3%) 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: Kumao_101 (singleton),

Start 10:
• Found in 4 of 7 (57.1%) 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: KiSi_40 (K1), LeMond_40 (K1), Oscar_40 (K1), Scarlett_40 (K1),

Start 11:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Archimedes_48 (DA),

Start 12:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RGL3_57 (CA),

Summary by clusters:

There are 4 clusters represented in this pham: K1, singleton, CA, DA,

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

Info for manual annotations of cluster K1:
•Start number 10 was manually annotated 4 times for cluster K1.

Gene Information:

Gene: Archimedes_48 Start: 39524, Stop: 39652, Start Num: 11
Candidate Starts for Archimedes_48:
(1, 39215), (3, 39287), (4, 39299), (Start: 11 @39524 has 1 MA's), (14, 39551),

Gene: KiSi_40 Start: 30379, Stop: 30513, Start Num: 10
Candidate Starts for KiSi_40:
(Start: 10 @30379 has 4 MA's), (13, 30394), (16, 30463),

Gene: Kumao_101 Start: 62800, Stop: 62654, Start Num: 8
Candidate Starts for Kumao_101:
(5, 62995), (7, 62938), (Start: 8 @62800 has 1 MA's), (9, 62791), (Start: 11 @62776 has 1 MA's), (16, 62704),

Gene: LeMond_40 Start: 30450, Stop: 30584, Start Num: 10
Candidate Starts for LeMond_40:
(Start: 10 @30450 has 4 MA's), (13, 30465), (16, 30534),

Gene: Oscar_40 Start: 30461, Stop: 30595, Start Num: 10
Candidate Starts for Oscar_40:
(2, 30224), (6, 30275), (Start: 10 @30461 has 4 MA's), (13, 30476), (16, 30545),

Gene: RGL3_57 Start: 40481, Stop: 40335, Start Num: 12
Candidate Starts for RGL3_57:

(12, 40481), (15, 40418), (17, 40406), (18, 40349),

Gene: Scarlett_40 Start: 30452, Stop: 30586, Start Num: 10
Candidate Starts for Scarlett_40:
(6, 30266), (Start: 10 @30452 has 4 MA's), (13, 30467), (16, 30536),