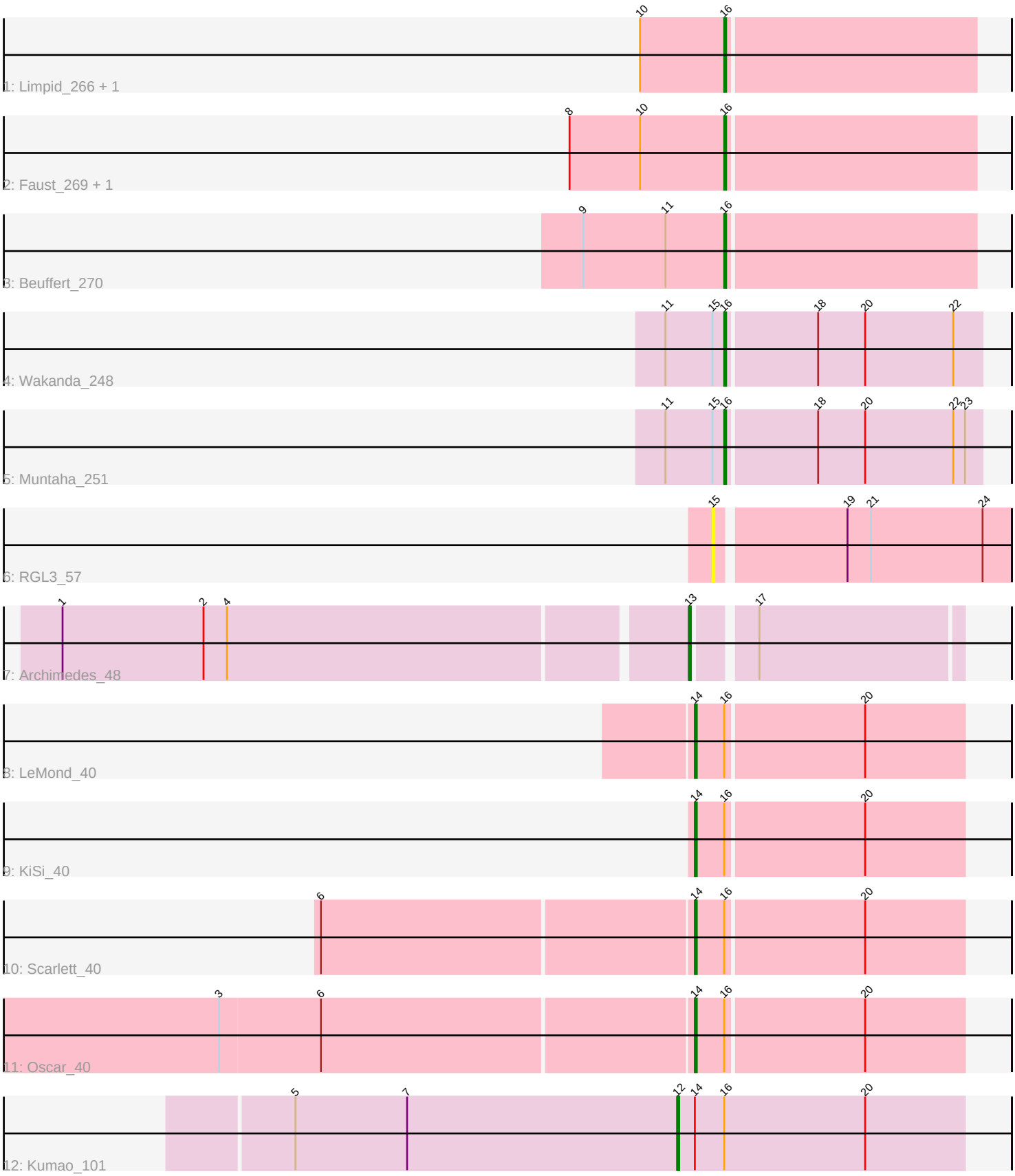
# Pham 203445


10
16
1: Limpid_266 + 1
8
10
16
2: Faust_269 + 1
9
11
16
3: Beuffert_270
11
15
16
18
20
22
4: Wakanda_248
11
15
16
18
20
22
23
5: Muntaha_251
15
19
21
24
6: RGL3_57
1
2
4
13
17
7: Archimedes_48
14
16
20
8: LeMond_40
14
16
20
9: KiSi_40
6
14
16
20
10: Scarlett_40
3
6
14
16
20
11: Oscar_40
5
7
12
14
16
20
12: 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 203445 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203445 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Limpid_266, Annadreamy_260
• Track 2 : Faust_269, SeresaTree_274
• Track 3 : Beuffert_270
• Track 4 : Wakanda_248
• Track 5 : Muntaha_251
• Track 6 : RGL3_57
• Track 7 : Archimedes_48
• Track 8 : LeMond_40
• Track 9 : KiSi_40
• Track 10 : Scarlett_40
• Track 11 : Oscar_40
• Track 12 : 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 16, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_260, Beuffert_270, Faust_269, Limpid_266, Muntaha_251, SeresaTree_274, Wakanda_248,

Genes that have the "Most Annotated" start but do not call it:
• KiSi_40, Kumao_101, LeMond_40, Oscar_40, Scarlett_40,

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

**Summary by start number:**

Start 12:
• Found in 1 of 14 ( 7.1% ) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Kumao_101 (singleton),

Start 13:
• Found in 1 of 14 ( 7.1% ) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_48 (DA),

Start 14:
• Found in 5 of 14 ( 35.7% ) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 80.0% of time when present
• Phage (with cluster) where this start called: KiSi_40 (K1), LeMond_40 (K1), Oscar_40 (K1), Scarlett_40 (K1),

Start 15:
• Found in 3 of 14 ( 21.4% ) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: RGL3_57 (CA),

Start 16:
• Found in 12 of 14 ( 85.7% ) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 58.3% of time when present
• Phage (with cluster) where this start called: Annadreamy_260 (BK1), Beuffert_270 (BK1), Faust_269 (BK1), Limpid_266 (BK1), Muntaha_251 (BK2), SeresaTree_274 (BK1), Wakanda_248 (BK2),

**Summary by clusters:**

There are 6 clusters represented in this pham: singleton, CA, DA, K1, BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 16 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 16 was manually annotated 2 times for cluster BK2.

Info for manual annotations of cluster DA:
•Start number 13 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster K1:
•Start number 14 was manually annotated 4 times for cluster K1.

***Gene Information:***

Gene: Annadreamy_260 Start: 123595, Stop: 123720, Start Num: 16
Candidate Starts for Annadreamy_260:
(10, 123553), (Start: 16 @123595 has 6 MA's),

Gene: Archimedes_48 Start: 39524, Stop: 39652, Start Num: 13
Candidate Starts for Archimedes_48:
(1, 39215), (2, 39287), (4, 39299), (Start: 13 @39524 has 1 MA's), (17, 39551),

Gene: Beuffert_270 Start: 127821, Stop: 127946, Start Num: 16
Candidate Starts for Beuffert_270:
(9, 127749), (11, 127791), (Start: 16 @127821 has 6 MA's),

Gene: Faust_269 Start: 128546, Stop: 128671, Start Num: 16
Candidate Starts for Faust_269:
(8, 128468), (10, 128504), (Start: 16 @128546 has 6 MA's),

Gene: KiSi_40 Start: 30379, Stop: 30513, Start Num: 14
Candidate Starts for KiSi_40:
(Start: 14 @30379 has 4 MA's), (Start: 16 @30394 has 6 MA's), (20, 30463),

Gene: Kumao_101 Start: 62800, Stop: 62654, Start Num: 12
Candidate Starts for Kumao_101:
(5, 62995), (7, 62938), (Start: 12 @62800 has 1 MA's), (Start: 14 @62791 has 4 MA's), (Start: 16 @62776 has 6 MA's), (20, 62704),

Gene: LeMond_40 Start: 30450, Stop: 30584, Start Num: 14
Candidate Starts for LeMond_40:
(Start: 14 @30450 has 4 MA's), (Start: 16 @30465 has 6 MA's), (20, 30534),

Gene: Limpid_266 Start: 128908, Stop: 129033, Start Num: 16
Candidate Starts for Limpid_266:
(10, 128866), (Start: 16 @128908 has 6 MA's),

Gene: Muntaha_251 Start: 119218, Stop: 119346, Start Num: 16
Candidate Starts for Muntaha_251:
(11, 119188), (15, 119212), (Start: 16 @119218 has 6 MA's), (18, 119263), (20, 119287), (22, 119332), (23, 119338),

Gene: Oscar_40 Start: 30461, Stop: 30595, Start Num: 14
Candidate Starts for Oscar_40:
(3, 30224), (6, 30275), (Start: 14 @30461 has 4 MA's), (Start: 16 @30476 has 6 MA's), (20, 30545),

Gene: RGL3_57 Start: 40481, Stop: 40335, Start Num: 15
Candidate Starts for RGL3_57:
(15, 40481), (19, 40418), (21, 40406), (24, 40349),

Gene: Scarlett_40 Start: 30452, Stop: 30586, Start Num: 14
Candidate Starts for Scarlett_40:
(6, 30266), (Start: 14 @30452 has 4 MA's), (Start: 16 @30467 has 6 MA's), (20, 30536),

Gene: SeresaTree_274 Start: 128767, Stop: 128892, Start Num: 16
Candidate Starts for SeresaTree_274:
(8, 128689), (10, 128725), (Start: 16 @128767 has 6 MA's),

Gene: Wakanda_248 Start: 118433, Stop: 118561, Start Num: 16
Candidate Starts for Wakanda_248:

(11, 118403), (15, 118427), (Start: 16 @118433 has 6 MA's), (18, 118478), (20, 118502), (22, 118547),