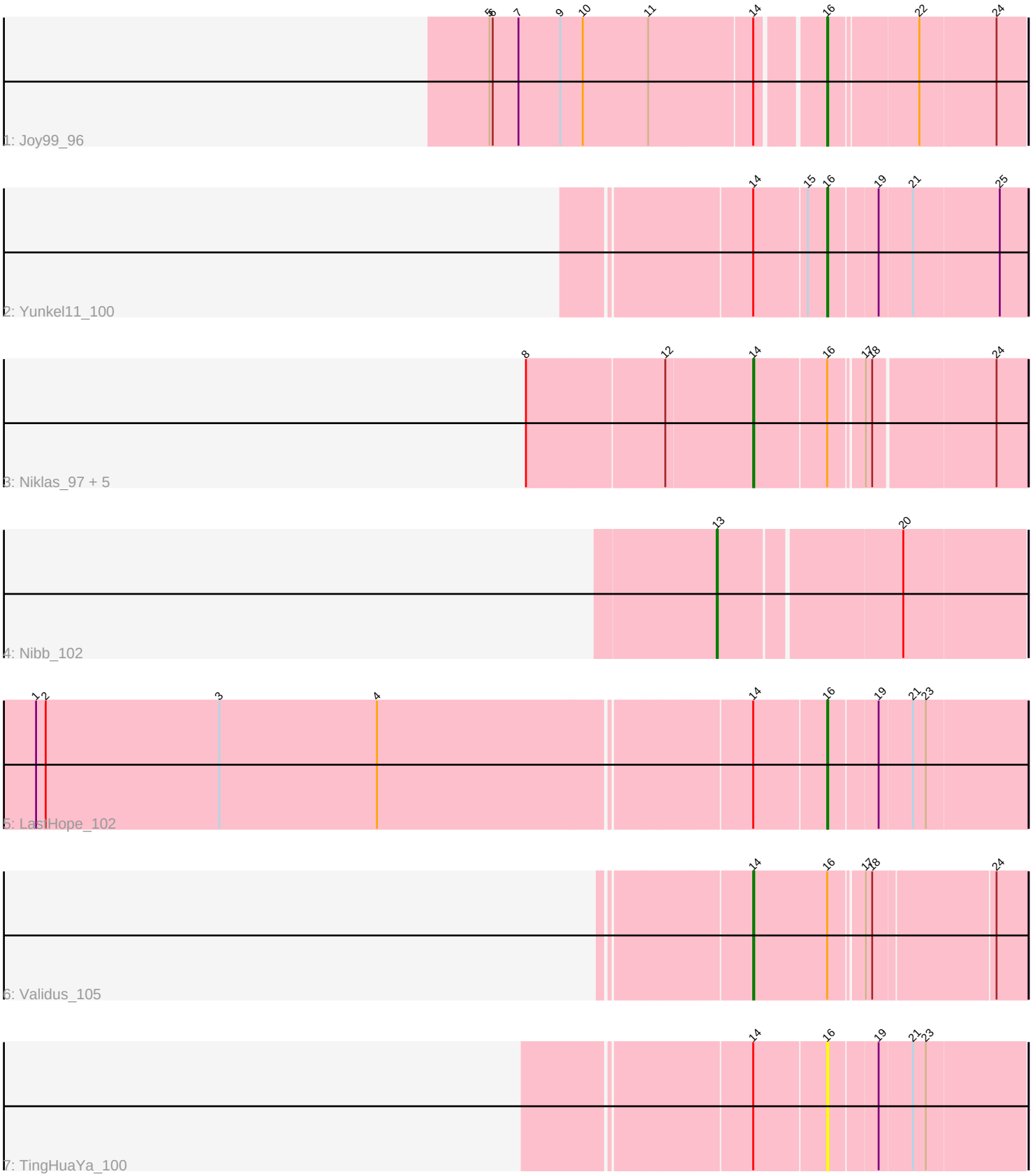
Pham 193040


6
7
9
10
11
14
16
22
24
1: Joy99_96
14
15
16
19
21
25
2: Yunkel11_100
8
12
14
16
17
18
24
3: Niklas_97 + 5
13
20
4: Nibb_102
1
2
3
4
14
16
19
21
23
5: LastHope_102
14
16
17
18
24
6: Validus_105
14
16
19
21
23
7: TingHuaYa_100

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 193040 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193040 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Joy99_96
• Track 2 : Yunkel11_100
• Track 3 : Niklas_97, Dartin_97, Shaobing_95, Richo_97, Peanam_98, McMater_97
• Track 4 : Nibb_102
• Track 5 : LastHope_102
• Track 6 : Validus_105
• Track 7 : TingHuaYa_100

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

The start number called the most often in the published annotations is 14, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dartin_97, McMater_97, Niklas_97, Peanam_98, Richo_97, Shaobing_95, Validus_105,

Genes that have the "Most Annotated" start but do not call it:
• Joy99_96, LastHope_102, TingHuaYa_100, Yunkel11_100,

Genes that do not have the "Most Annotated" start:
• Nibb_102,

Summary by start number:

Start 13:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nibb_102 (K1),

Start 14:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 4 of 8

• Called 63.6% of time when present
• Phage (with cluster) where this start called: Dartin_97 (K1), McMater_97 (K1), Niklas_97 (K1), Peanam_98 (K1), Richo_97 (K1), Shaobing_95 (K1), Validus_105 (K1),

Start 16:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 36.4% of time when present
• Phage (with cluster) where this start called: Joy99_96 (K1), LastHope_102 (K1), TingHuaYa_100 (K1), Yunkel11_100 (K1),

Summary by clusters:

There is one cluster represented in this pham: K1

Info for manual annotations of cluster K1:
•Start number 13 was manually annotated 1 time for cluster K1.
•Start number 14 was manually annotated 4 times for cluster K1.
•Start number 16 was manually annotated 3 times for cluster K1.

Gene Information:

Gene: Dartin_97 Start: 60821, Stop: 61057, Start Num: 14
Candidate Starts for Dartin_97:
(8, 60617), (12, 60743), (Start: 14 @60821 has 4 MA's), (Start: 16 @60887 has 3 MA's), (17, 60914), (18, 60920), (24, 61028),

Gene: Joy99_96 Start: 59127, Stop: 59300, Start Num: 16
Candidate Starts for Joy99_96:
(5, 58830), (6, 58833), (7, 58857), (9, 58896), (10, 58917), (11, 58977), (Start: 14 @59070 has 4 MA's), (Start: 16 @59127 has 3 MA's), (22, 59205), (24, 59274),

Gene: LastHope_102 Start: 60395, Stop: 60571, Start Num: 16
Candidate Starts for LastHope_102:
(1, 59678), (2, 59687), (3, 59849), (4, 59996), (Start: 14 @60329 has 4 MA's), (Start: 16 @60395 has 3 MA's), (19, 60437), (21, 60467), (23, 60479),

Gene: McMater_97 Start: 60821, Stop: 61057, Start Num: 14
Candidate Starts for McMater_97:
(8, 60617), (12, 60743), (Start: 14 @60821 has 4 MA's), (Start: 16 @60887 has 3 MA's), (17, 60914), (18, 60920), (24, 61028),

Gene: Nibb_102 Start: 61676, Stop: 61948, Start Num: 13
Candidate Starts for Nibb_102:
(Start: 13 @61676 has 1 MA's), (20, 61838),

Gene: Niklas_97 Start: 60422, Stop: 60658, Start Num: 14
Candidate Starts for Niklas_97:
(8, 60218), (12, 60344), (Start: 14 @60422 has 4 MA's), (Start: 16 @60488 has 3 MA's), (17, 60515), (18, 60521), (24, 60629),

Gene: Peanam_98 Start: 60489, Stop: 60710, Start Num: 14
Candidate Starts for Peanam_98:
(8, 60285), (12, 60411), (Start: 14 @60489 has 4 MA's), (Start: 16 @60540 has 3 MA's), (17, 60567), (18, 60573), (24, 60681),

Gene: Richo_97 Start: 60821, Stop: 61057, Start Num: 14
Candidate Starts for Richo_97:
(8, 60617), (12, 60743), (Start: 14 @60821 has 4 MA's), (Start: 16 @60887 has 3 MA's), (17, 60914), (18, 60920), (24, 61028),

Gene: Shaobing_95 Start: 60463, Stop: 60699, Start Num: 14
Candidate Starts for Shaobing_95:
(8, 60259), (12, 60385), (Start: 14 @60463 has 4 MA's), (Start: 16 @60529 has 3 MA's), (17, 60556), (18, 60562), (24, 60670),

Gene: TingHuaYa_100 Start: 60724, Stop: 60897, Start Num: 16
Candidate Starts for TingHuaYa_100:
(Start: 14 @60658 has 4 MA's), (Start: 16 @60724 has 3 MA's), (19, 60766), (21, 60796), (23, 60808),

Gene: Validus_105 Start: 61894, Stop: 62133, Start Num: 14
Candidate Starts for Validus_105:
(Start: 14 @61894 has 4 MA's), (Start: 16 @61963 has 3 MA's), (17, 61990), (18, 61996), (24, 62104),

Gene: Yunkel11_100 Start: 60221, Stop: 60397, Start Num: 16
Candidate Starts for Yunkel11_100:
(Start: 14 @60155 has 4 MA's), (15, 60203), (Start: 16 @60221 has 3 MA's), (19, 60263), (21, 60293), (25, 60371),