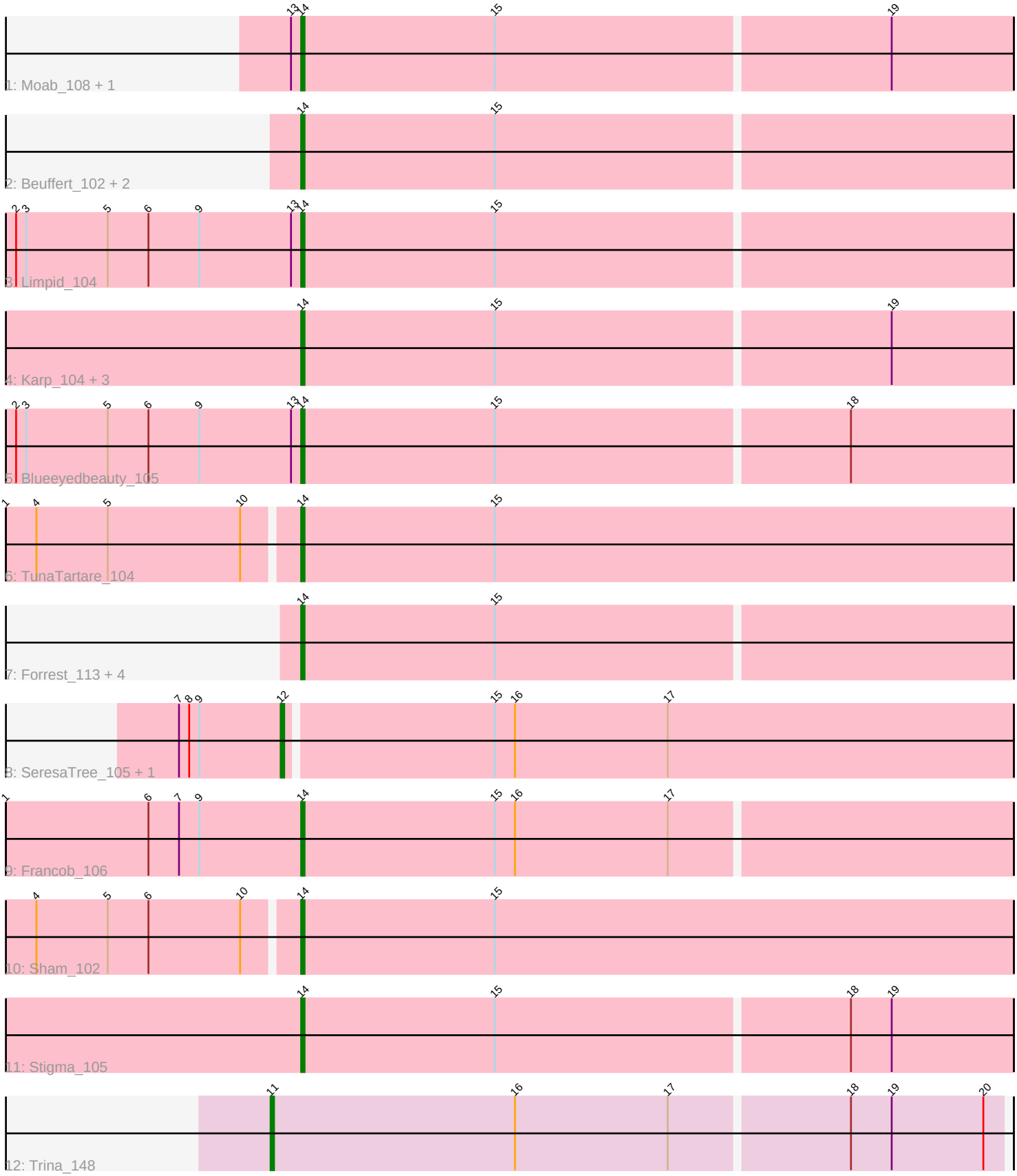
Pham 4066


13
14
15
19
1: Moab_108 + 1
14
15
2: Beuffert_102 + 2
2
3
5
6
9
13
14
15
3: Limpid_104
14
15
19
4: Karp_104 + 3
2
3
5
6
9
13
14
15
18
5: Blueeyedbeauty_105
1
4
5
10
14
15
6: TunaTartare_104
14
15
7: Forrest_113 + 4
7
8
9
12
15
16
17
8: SeresaTree_105 + 1
1
6
7
9
14
15
16
17
9: Francob_106
4
5
6
10
14
15
10: Sham_102
14
15
18
19
11: Stigma_105
11
16
17
18
19
20
12: Trina_148

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 4066 Report

This analysis was run 04/05/24 on database version 557.

Pham number 4066 has 23 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Moab_108, Patelgo_109
• Track 2 : Beuffert_102, Phredrick_107, MeganTheeKilla_108
• Track 3 : Limpid_104
• Track 4 : Karp_104, Belfort_108, SparkleGoddess_106, Comrade_105
• Track 5 : Blueeyedbeauty_105
• Track 6 : TunaTartare_104
• Track 7 : Forrest_113, Gilson_108, Jada_109, Emma1919_109, Kenrey_111
• Track 8 : SeresaTree_105, Faust_105
• Track 9 : Francob_106
• Track 10 : Sham_102
• Track 11 : Stigma_105
• Track 12 : Trina_148

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 20 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_108, Beuffert_102, Blueeyedbeauty_105, Comrade_105, Emma1919_109, Forrest_113, Francob_106, Gilson_108, Jada_109, Karp_104, Kenrey_111, Limpid_104, MeganTheeKilla_108, Moab_108, Patelgo_109, Phredrick_107, Sham_102, SparkleGoddess_106, Stigma_105, TunaTartare_104,

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

Genes that do not have the "Most Annotated" start:
• Faust_105, SeresaTree_105, Trina_148,

Summary by start number:

Start 11:
• Found in 1 of 23 (4.3%) of genes in pham

• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trina_148 (CE),

Start 12:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faust_105 (BK1), SeresaTree_105 (BK1),

Start 14:
• Found in 20 of 23 (87.0%) of genes in pham
• Manual Annotations of this start: 20 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_108 (BK1), Beuffert_102 (BK1), Blueeyedbeauty_105 (BK1), Comrade_105 (BK1), Emma1919_109 (BK1), Forrest_113 (BK1), Francob_106 (BK1), Gilson_108 (BK1), Jada_109 (BK1), Karp_104 (BK1), Kenrey_111 (BK1), Limpid_104 (BK1), MeganTheeKilla_108 (BK1), Moab_108 (BK1), Patelgo_109 (BK1), Phredrick_107 (BK1), Sham_102 (BK1), SparkleGoddess_106 (BK1), Stigma_105 (BK1), TunaTartare_104 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, CE,

Info for manual annotations of cluster BK1:
•Start number 12 was manually annotated 1 time for cluster BK1.
•Start number 14 was manually annotated 20 times for cluster BK1.

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

Gene Information:

Gene: Belfort_108 Start: 72705, Stop: 72911, Start Num: 14
Candidate Starts for Belfort_108:
(Start: 14 @72705 has 20 MA's), (15, 72762), (19, 72876),

Gene: Beuffert_102 Start: 71535, Stop: 71741, Start Num: 14
Candidate Starts for Beuffert_102:
(Start: 14 @71535 has 20 MA's), (15, 71592),

Gene: Blueeyedbeauty_105 Start: 70684, Stop: 70890, Start Num: 14
Candidate Starts for Blueeyedbeauty_105:
(2, 70600), (3, 70603), (5, 70627), (6, 70639), (9, 70654), (13, 70681), (Start: 14 @70684 has 20 MA's), (15, 70741), (18, 70843),

Gene: Comrade_105 Start: 72022, Stop: 72228, Start Num: 14
Candidate Starts for Comrade_105:
(Start: 14 @72022 has 20 MA's), (15, 72079), (19, 72193),

Gene: Emma1919_109 Start: 71471, Stop: 71677, Start Num: 14
Candidate Starts for Emma1919_109:
(Start: 14 @71471 has 20 MA's), (15, 71528),

Gene: Faust_105 Start: 72087, Stop: 72299, Start Num: 12
Candidate Starts for Faust_105:
(7, 72057), (8, 72060), (9, 72063), (Start: 12 @72087 has 1 MA's), (15, 72147), (16, 72153), (17, 72198),

Gene: Forrest_113 Start: 73784, Stop: 73990, Start Num: 14
Candidate Starts for Forrest_113:
(Start: 14 @73784 has 20 MA's), (15, 73841),

Gene: Francob_106 Start: 71635, Stop: 71841, Start Num: 14
Candidate Starts for Francob_106:
(1, 71548), (6, 71590), (7, 71599), (9, 71605), (Start: 14 @71635 has 20 MA's), (15, 71692), (16, 71698), (17, 71743),

Gene: Gilson_108 Start: 71433, Stop: 71639, Start Num: 14
Candidate Starts for Gilson_108:
(Start: 14 @71433 has 20 MA's), (15, 71490),

Gene: Jada_109 Start: 72714, Stop: 72920, Start Num: 14
Candidate Starts for Jada_109:
(Start: 14 @72714 has 20 MA's), (15, 72771),

Gene: Karp_104 Start: 71993, Stop: 72199, Start Num: 14
Candidate Starts for Karp_104:
(Start: 14 @71993 has 20 MA's), (15, 72050), (19, 72164),

Gene: Kenrey_111 Start: 72473, Stop: 72679, Start Num: 14
Candidate Starts for Kenrey_111:
(Start: 14 @72473 has 20 MA's), (15, 72530),

Gene: Limpid_104 Start: 72009, Stop: 72215, Start Num: 14
Candidate Starts for Limpid_104:
(2, 71925), (3, 71928), (5, 71952), (6, 71964), (9, 71979), (13, 72006), (Start: 14 @72009 has 20 MA's), (15, 72066),

Gene: MeganTheeKilla_108 Start: 71639, Stop: 71845, Start Num: 14
Candidate Starts for MeganTheeKilla_108:
(Start: 14 @71639 has 20 MA's), (15, 71696),

Gene: Moab_108 Start: 73942, Stop: 74148, Start Num: 14
Candidate Starts for Moab_108:
(13, 73939), (Start: 14 @73942 has 20 MA's), (15, 73999), (19, 74113),

Gene: Patelgo_109 Start: 73802, Stop: 74008, Start Num: 14
Candidate Starts for Patelgo_109:
(13, 73799), (Start: 14 @73802 has 20 MA's), (15, 73859), (19, 73973),

Gene: Phredrick_107 Start: 70759, Stop: 70965, Start Num: 14

Candidate Starts for Phredrick_107:
(Start: 14 @70759 has 20 MA's), (15, 70816),

Gene: SeresaTree_105 Start: 71469, Stop: 71681, Start Num: 12
Candidate Starts for SeresaTree_105:
(7, 71439), (8, 71442), (9, 71445), (Start: 12 @71469 has 1 MA's), (15, 71529), (16, 71535), (17, 71580),

Gene: Sham_102 Start: 71711, Stop: 71920, Start Num: 14
Candidate Starts for Sham_102:
(4, 71639), (5, 71660), (6, 71672), (10, 71699), (Start: 14 @71711 has 20 MA's), (15, 71768),

Gene: SparkleGoddess_106 Start: 72322, Stop: 72528, Start Num: 14
Candidate Starts for SparkleGoddess_106:
(Start: 14 @72322 has 20 MA's), (15, 72379), (19, 72493),

Gene: Stigma_105 Start: 72330, Stop: 72536, Start Num: 14
Candidate Starts for Stigma_105:
(Start: 14 @72330 has 20 MA's), (15, 72387), (18, 72489), (19, 72501),

Gene: Trina_148 Start: 90625, Stop: 90837, Start Num: 11
Candidate Starts for Trina_148:
(Start: 11 @90625 has 1 MA's), (16, 90697), (17, 90742), (18, 90793), (19, 90805), (20, 90832),

Gene: TunaTartare_104 Start: 72874, Stop: 73083, Start Num: 14
Candidate Starts for TunaTartare_104:
(1, 72793), (4, 72802), (5, 72823), (10, 72862), (Start: 14 @72874 has 20 MA's), (15, 72931),