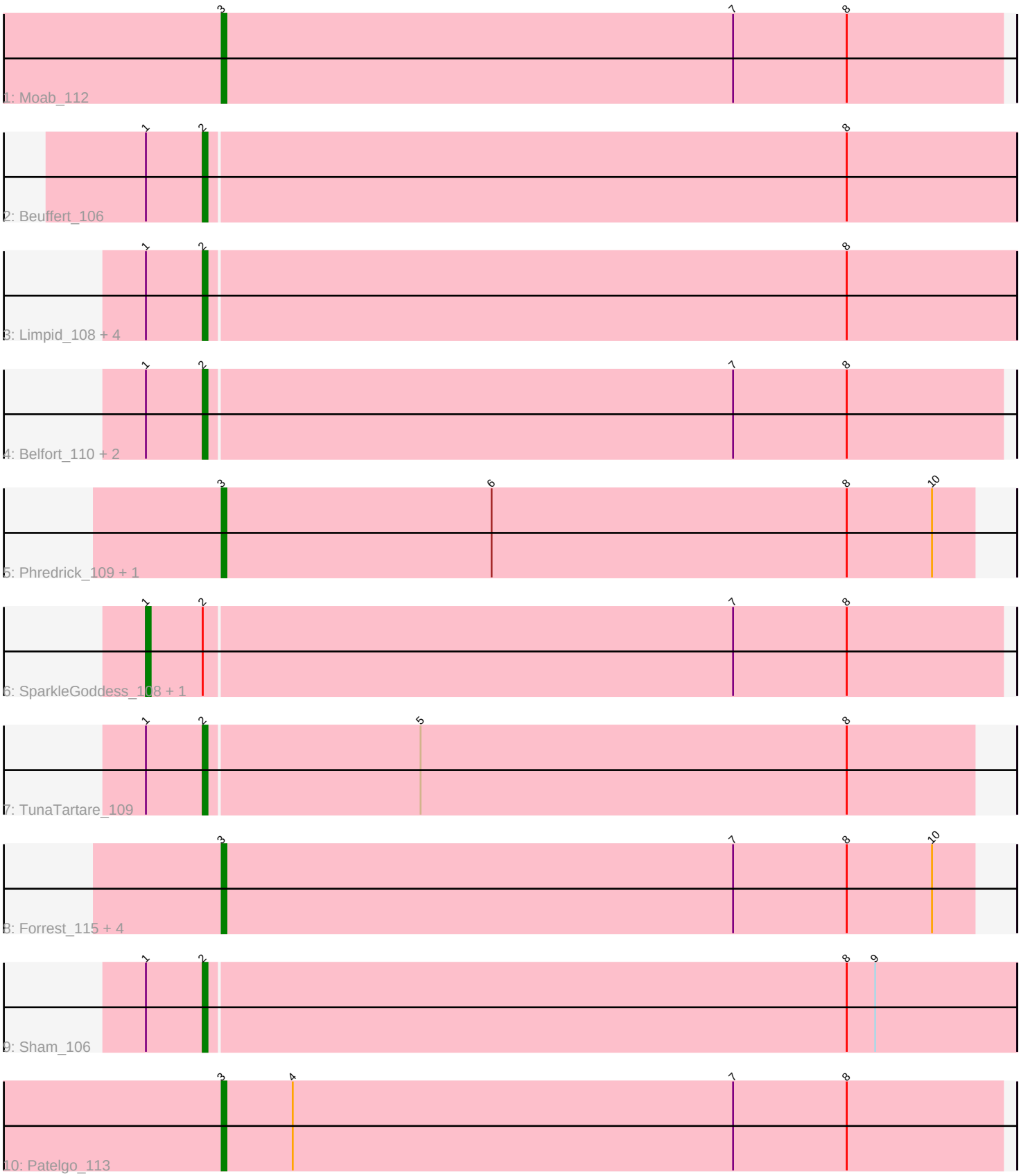
Pham 3985


3
7
8
1: Moab_112
1
2
8
2: Beuffert_106
1
2
8
3: Limpid_108 + 4
1
2
7
8
4: Belfort_110 + 2
3
6
8
10
5: Phredrick_109 + 1
1
2
7
8
6: SparkleGoddess_108 + 1
1
2
5
8
7: TunaTartare_109
3
7
8
10
8: Forrest_115 + 4
1
2
8
9
9: Sham_106
3
4
7
8
10: Patelgo_113

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 3985 Report

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

Pham number 3985 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Moab_112
• Track 2 : Beuffert_106
• Track 3 : Limpid_108, SeresaTree_109, Blueeyedbeauty_109, Annadreamy_99, Faust_109
• Track 4 : Belfort_110, Karp_106, Stigma_108
• Track 5 : Phredrick_109, Kenrey_113
• Track 6 : SparkleGoddess_108, Comrade_107
• Track 7 : TunaTartare_109
• Track 8 : Forrest_115, Gilson_110, Jada_111, MeganTheeKilla_110, Emma1919_111
• Track 9 : Sham_106
• Track 10 : Patelgo_113

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_99, Belfort_110, Beuffert_106, Blueeyedbeauty_109, Faust_109, Karp_106, Limpid_108, SeresaTree_109, Sham_106, Stigma_108, TunaTartare_109,

Genes that have the "Most Annotated" start but do not call it:
• Comrade_107, SparkleGoddess_108,

Genes that do not have the "Most Annotated" start:
• Emma1919_111, Forrest_115, Gilson_110, Jada_111, Kenrey_113, MeganTheeKilla_110, Moab_112, Patelgo_113, Phredrick_109,

Summary by start number:

Start 1:
• Found in 13 of 22 (59.1%) of genes in pham
• Manual Annotations of this start: 2 of 21

• Called 15.4% of time when present
• Phage (with cluster) where this start called: Comrade_107 (BK1), SparkleGoddess_108 (BK1),

Start 2:
• Found in 13 of 22 (59.1%) of genes in pham
• Manual Annotations of this start: 10 of 21
• Called 84.6% of time when present
• Phage (with cluster) where this start called: Annadreamy_99 (BK1), Belfort_110 (BK1), Beuffert_106 (BK1), Blueeyedbeauty_109 (BK1), Faust_109 (BK1), Karp_106 (BK1), Limpid_108 (BK1), SeresaTree_109 (BK1), Sham_106 (BK1), Stigma_108 (BK1), TunaTartare_109 (BK1),

Start 3:
• Found in 9 of 22 (40.9%) of genes in pham
• Manual Annotations of this start: 9 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emma1919_111 (BK1), Forrest_115 (BK1), Gilson_110 (BK1), Jada_111 (BK1), Kenrey_113 (BK1), MeganTheeKilla_110 (BK1), Moab_112 (BK1), Patelgo_113 (BK1), Phredrick_109 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 2 times for cluster BK1.
•Start number 2 was manually annotated 10 times for cluster BK1.
•Start number 3 was manually annotated 9 times for cluster BK1.

Gene Information:

Gene: Annadreamy_99 Start: 67419, Stop: 67589, Start Num: 2
Candidate Starts for Annadreamy_99:
(Start: 1 @67407 has 2 MA's), (Start: 2 @67419 has 10 MA's), (8, 67554),

Gene: Belfort_110 Start: 73268, Stop: 73435, Start Num: 2
Candidate Starts for Belfort_110:
(Start: 1 @73256 has 2 MA's), (Start: 2 @73268 has 10 MA's), (7, 73379), (8, 73403),

Gene: Beuffert_106 Start: 72239, Stop: 72409, Start Num: 2
Candidate Starts for Beuffert_106:
(Start: 1 @72227 has 2 MA's), (Start: 2 @72239 has 10 MA's), (8, 72374),

Gene: Blueeyedbeauty_109 Start: 71336, Stop: 71506, Start Num: 2
Candidate Starts for Blueeyedbeauty_109:
(Start: 1 @71324 has 2 MA's), (Start: 2 @71336 has 10 MA's), (8, 71471),

Gene: Comrade_107 Start: 72573, Stop: 72752, Start Num: 1
Candidate Starts for Comrade_107:
(Start: 1 @72573 has 2 MA's), (Start: 2 @72585 has 10 MA's), (7, 72696), (8, 72720),

Gene: Emma1919_111 Start: 72045, Stop: 72203, Start Num: 3
Candidate Starts for Emma1919_111:
(Start: 3 @72045 has 9 MA's), (7, 72153), (8, 72177), (10, 72195),

Gene: Faust_109 Start: 72907, Stop: 73068, Start Num: 2
Candidate Starts for Faust_109:
(Start: 1 @72895 has 2 MA's), (Start: 2 @72907 has 10 MA's), (8, 73042),

Gene: Forrest_115 Start: 74358, Stop: 74516, Start Num: 3
Candidate Starts for Forrest_115:
(Start: 3 @74358 has 9 MA's), (7, 74466), (8, 74490), (10, 74508),

Gene: Gilson_110 Start: 72007, Stop: 72165, Start Num: 3
Candidate Starts for Gilson_110:
(Start: 3 @72007 has 9 MA's), (7, 72115), (8, 72139), (10, 72157),

Gene: Jada_111 Start: 73288, Stop: 73446, Start Num: 3
Candidate Starts for Jada_111:
(Start: 3 @73288 has 9 MA's), (7, 73396), (8, 73420), (10, 73438),

Gene: Karp_106 Start: 72556, Stop: 72723, Start Num: 2
Candidate Starts for Karp_106:
(Start: 1 @72544 has 2 MA's), (Start: 2 @72556 has 10 MA's), (7, 72667), (8, 72691),

Gene: Kenrey_113 Start: 73047, Stop: 73205, Start Num: 3
Candidate Starts for Kenrey_113:
(Start: 3 @73047 has 9 MA's), (6, 73104), (8, 73179), (10, 73197),

Gene: Limpid_108 Start: 72662, Stop: 72832, Start Num: 2
Candidate Starts for Limpid_108:
(Start: 1 @72650 has 2 MA's), (Start: 2 @72662 has 10 MA's), (8, 72797),

Gene: MeganTheeKilla_110 Start: 72213, Stop: 72371, Start Num: 3
Candidate Starts for MeganTheeKilla_110:
(Start: 3 @72213 has 9 MA's), (7, 72321), (8, 72345), (10, 72363),

Gene: Moab_112 Start: 74724, Stop: 74888, Start Num: 3
Candidate Starts for Moab_112:
(Start: 3 @74724 has 9 MA's), (7, 74832), (8, 74856),

Gene: Patelgo_113 Start: 74584, Stop: 74748, Start Num: 3
Candidate Starts for Patelgo_113:
(Start: 3 @74584 has 9 MA's), (4, 74599), (7, 74692), (8, 74716),

Gene: Phredrick_109 Start: 71333, Stop: 71491, Start Num: 3
Candidate Starts for Phredrick_109:
(Start: 3 @71333 has 9 MA's), (6, 71390), (8, 71465), (10, 71483),

Gene: SeresaTree_109 Start: 72289, Stop: 72450, Start Num: 2
Candidate Starts for SeresaTree_109:
(Start: 1 @72277 has 2 MA's), (Start: 2 @72289 has 10 MA's), (8, 72424),

Gene: Sham_106 Start: 72417, Stop: 72587, Start Num: 2
Candidate Starts for Sham_106:
(Start: 1 @72405 has 2 MA's), (Start: 2 @72417 has 10 MA's), (8, 72552), (9, 72558),

Gene: SparkleGoddess_108 Start: 72873, Stop: 73052, Start Num: 1
Candidate Starts for SparkleGoddess_108:
(Start: 1 @72873 has 2 MA's), (Start: 2 @72885 has 10 MA's), (7, 72996), (8, 73020),

Gene: Stigma_108 Start: 72893, Stop: 73060, Start Num: 2
Candidate Starts for Stigma_108:
(Start: 1 @72881 has 2 MA's), (Start: 2 @72893 has 10 MA's), (7, 73004), (8, 73028),

Gene: TunaTartare_109 Start: 74158, Stop: 74319, Start Num: 2
Candidate Starts for TunaTartare_109:
(Start: 1 @74146 has 2 MA's), (Start: 2 @74158 has 10 MA's), (5, 74203), (8, 74293),