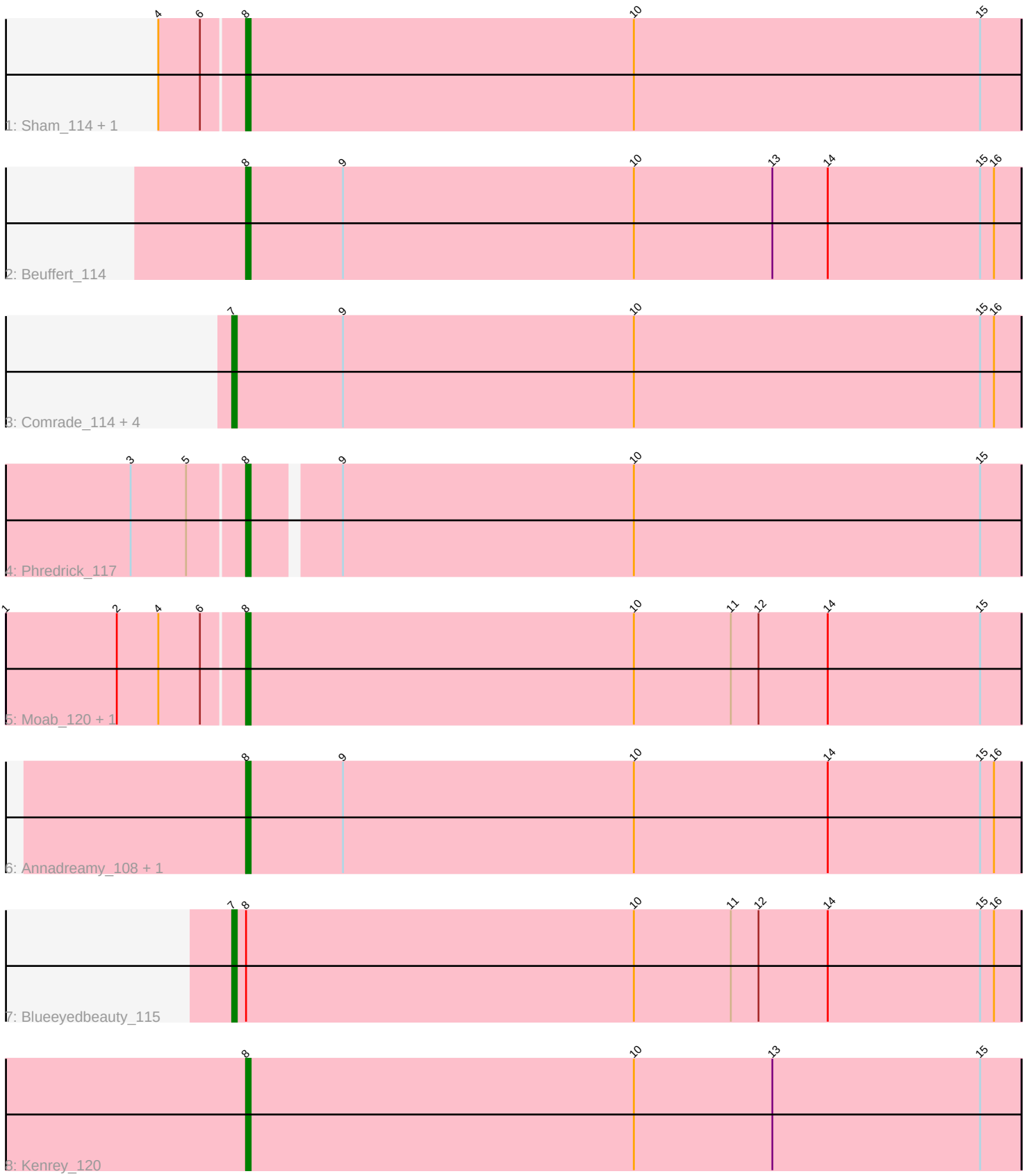
Pham 4945


4
6
8
10
15
1: Sham_114 + 1
8
9
10
13
14
15
16
2: Beuffert_114
7
9
10
15
16
3: Comrade_114 + 4
3
5
8
9
10
15
4: Phredrick_117
1
2
4
6
8
10
11
12
14
15
5: Moab_120 + 1
8
9
10
14
15
16
6: Annadreamy_108 + 1
7
8
10
11
12
14
15
16
7: Blueeyedbeauty_115
8
10
13
15
8: Kenrey_120

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 4945 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4945 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sham_114, TunaTartare_118
• Track 2 : Beuffert_114
• Track 3 : Comrade_114, Karp_114, Belfort_118, Stigma_116, SparkleGoddess_116
• Track 4 : Phredrick_117
• Track 5 : Moab_120, Patelgo_121
• Track 6 : Annadreamy_108, Limpid_115
• Track 7 : Blueeyedbeauty_115
• Track 8 : Kenrey_120

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_108, Beuffert_114, Kenrey_120, Limpid_115, Moab_120, Patelgo_121, Phredrick_117, Sham_114, TunaTartare_118,

Genes that have the "Most Annotated" start but do not call it:
• Blueeyedbeauty_115,

Genes that do not have the "Most Annotated" start:
• Belfort_118, Comrade_114, Karp_114, SparkleGoddess_116, Stigma_116,

Summary by start number:

Start 7:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_118 (BK1), Blueeyedbeauty_115 (BK1), Comrade_114 (BK1), Karp_114 (BK1), SparkleGoddess_116 (BK1), Stigma_116 (BK1),

Start 8:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_108 (BK1), Beuffert_114 (BK1), Kenrey_120 (BK1), Limpid_115 (BK1), Moab_120 (BK1), Patelgo_121 (BK1), Phredrick_117 (BK1), Sham_114 (BK1), TunaTartare_118 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 6 times for cluster BK1.
•Start number 8 was manually annotated 9 times for cluster BK1.

Gene Information:

Gene: Annadreamy_108 Start: 69903, Stop: 70070, Start Num: 8
Candidate Starts for Annadreamy_108:
(Start: 8 @69903 has 9 MA's), (9, 69924), (10, 69987), (14, 70029), (15, 70062), (16, 70065),

Gene: Belfort_118 Start: 75730, Stop: 75900, Start Num: 7
Candidate Starts for Belfort_118:
(Start: 7 @75730 has 6 MA's), (9, 75754), (10, 75817), (15, 75892), (16, 75895),

Gene: Beuffert_114 Start: 74726, Stop: 74893, Start Num: 8
Candidate Starts for Beuffert_114:
(Start: 8 @74726 has 9 MA's), (9, 74747), (10, 74810), (13, 74840), (14, 74852), (15, 74885), (16, 74888),

Gene: Blueeyedbeauty_115 Start: 73013, Stop: 73183, Start Num: 7
Candidate Starts for Blueeyedbeauty_115:
(Start: 7 @73013 has 6 MA's), (Start: 8 @73016 has 9 MA's), (10, 73100), (11, 73121), (12, 73127), (14, 73142), (15, 73175), (16, 73178),

Gene: Comrade_114 Start: 75048, Stop: 75218, Start Num: 7
Candidate Starts for Comrade_114:
(Start: 7 @75048 has 6 MA's), (9, 75072), (10, 75135), (15, 75210), (16, 75213),

Gene: Karp_114 Start: 75019, Stop: 75189, Start Num: 7
Candidate Starts for Karp_114:
(Start: 7 @75019 has 6 MA's), (9, 75043), (10, 75106), (15, 75181), (16, 75184),

Gene: Kenrey_120 Start: 75511, Stop: 75678, Start Num: 8
Candidate Starts for Kenrey_120:
(Start: 8 @75511 has 9 MA's), (10, 75595), (13, 75625), (15, 75670),

Gene: Limpid_115 Start: 75146, Stop: 75313, Start Num: 8
Candidate Starts for Limpid_115:
(Start: 8 @75146 has 9 MA's), (9, 75167), (10, 75230), (14, 75272), (15, 75305), (16, 75308),

Gene: Moab_120 Start: 77190, Stop: 77357, Start Num: 8
Candidate Starts for Moab_120:
(1, 77139), (2, 77163), (4, 77172), (6, 77181), (Start: 8 @77190 has 9 MA's), (10, 77274), (11, 77295), (12, 77301), (14, 77316), (15, 77349),

Gene: Patelgo_121 Start: 77050, Stop: 77217, Start Num: 8
Candidate Starts for Patelgo_121:
(1, 76999), (2, 77023), (4, 77032), (6, 77041), (Start: 8 @77050 has 9 MA's), (10, 77134), (11, 77155), (12, 77161), (14, 77176), (15, 77209),

Gene: Phredrick_117 Start: 73781, Stop: 73945, Start Num: 8
Candidate Starts for Phredrick_117:
(3, 73757), (5, 73769), (Start: 8 @73781 has 9 MA's), (9, 73799), (10, 73862), (15, 73937),

Gene: Sham_114 Start: 75039, Stop: 75206, Start Num: 8
Candidate Starts for Sham_114:
(4, 75021), (6, 75030), (Start: 8 @75039 has 9 MA's), (10, 75123), (15, 75198),

Gene: SparkleGoddess_116 Start: 75348, Stop: 75518, Start Num: 7
Candidate Starts for SparkleGoddess_116:
(Start: 7 @75348 has 6 MA's), (9, 75372), (10, 75435), (15, 75510), (16, 75513),

Gene: Stigma_116 Start: 75356, Stop: 75526, Start Num: 7
Candidate Starts for Stigma_116:
(Start: 7 @75356 has 6 MA's), (9, 75380), (10, 75443), (15, 75518), (16, 75521),

Gene: TunaTartare_118 Start: 76767, Stop: 76934, Start Num: 8
Candidate Starts for TunaTartare_118:
(4, 76749), (6, 76758), (Start: 8 @76767 has 9 MA's), (10, 76851), (15, 76926),