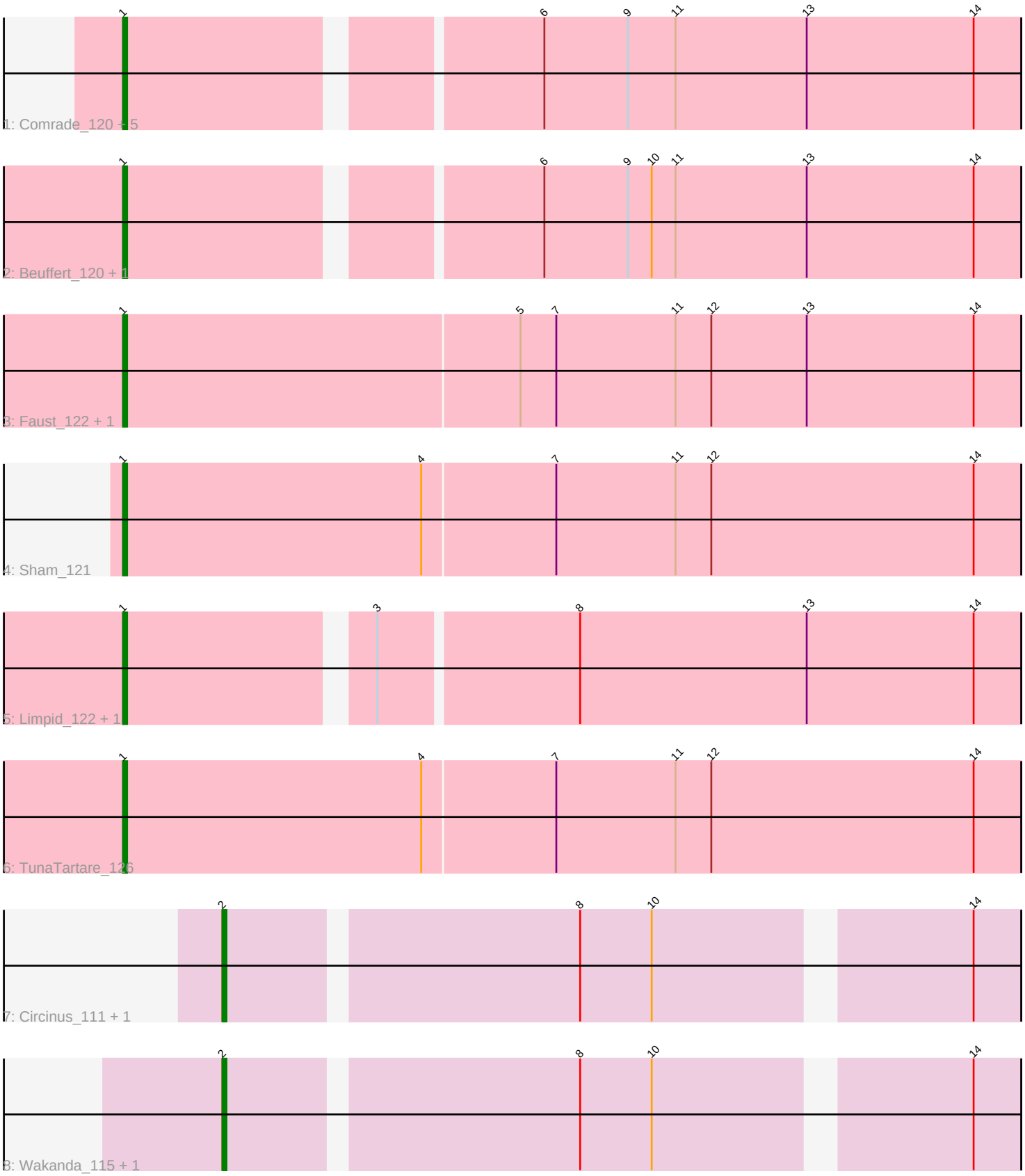
Pham 224942


1
6
9
11
13
14
1: Comrade_120 + 5
1
6
9
10
11
13
14
2: Beuffert_120 + 1
1
5
7
11
12
13
14
3: Faust_122 + 1
1
4
7
11
12
14
4: Sham_121
1
3
8
13
14
5: Limpid_122 + 1
1
4
7
11
12
14
6: TunaTartare_126
2
8
10
14
7: Circinus_111 + 1
2
8
10
14
8: Wakanda_115 + 1

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 224942 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224942 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Comrade_120, SparkleGoddess_122, Karp_120, Stigma_122, Belfort_124, Westy_125
• Track 2 : Beuffert_120, Blueeyedbeauty_121
• Track 3 : Faust_122, SeresaTree_122
• Track 4 : Sham_121
• Track 5 : Limpid_122, Annadreamy_114
• Track 6 : TunaTartare_126
• Track 7 : Circinus_111, BillNye_110
• Track 8 : Wakanda_115, Muntaha_117

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_114, Belfort_124, Beuffert_120, Blueeyedbeauty_121, Comrade_120, Faust_122, Karp_120, Limpid_122, SeresaTree_122, Sham_121, SparkleGoddess_122, Stigma_122, TunaTartare_126, Westy_125,

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

Genes that do not have the "Most Annotated" start:
• BillNye_110, Circinus_111, Muntaha_117, Wakanda_115,

Summary by start number:

Start 1:
• Found in 14 of 18 (77.8%) of genes in pham
• Manual Annotations of this start: 12 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_114 (BK1), Belfort_124 (BK1), Beuffert_120 (BK1), Blueeyedbeauty_121 (BK1), Comrade_120 (BK1),

Faust_122 (BK1), Karp_120 (BK1), Limpid_122 (BK1), SeresaTree_122 (BK1), Sham_121 (BK1), SparkleGoddess_122 (BK1), Stigma_122 (BK1), TunaTartare_126 (BK1), Westy_125 (BK1),

Start 2:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 4 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_110 (BK2), Circinus_111 (BK2), Muntaha_117 (BK2), Wakanda_115 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

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

Info for manual annotations of cluster BK2:
•Start number 2 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_114 Start: 71054, Stop: 71269, Start Num: 1
Candidate Starts for Annadreamy_114:
(Start: 1 @71054 has 12 MA's), (3, 71111), (8, 71159), (13, 71216), (14, 71258),

Gene: Belfort_124 Start: 76440, Stop: 76655, Start Num: 1
Candidate Starts for Belfort_124:
(Start: 1 @76440 has 12 MA's), (6, 76536), (9, 76557), (11, 76569), (13, 76602), (14, 76644),

Gene: Beuffert_120 Start: 75552, Stop: 75767, Start Num: 1
Candidate Starts for Beuffert_120:
(Start: 1 @75552 has 12 MA's), (6, 75648), (9, 75669), (10, 75675), (11, 75681), (13, 75714), (14, 75756),

Gene: BillNye_110 Start: 73768, Stop: 73953, Start Num: 2
Candidate Starts for BillNye_110:
(Start: 2 @73768 has 4 MA's), (8, 73852), (10, 73870), (14, 73942),

Gene: Blueeyedbeauty_121 Start: 73777, Stop: 73992, Start Num: 1
Candidate Starts for Blueeyedbeauty_121:
(Start: 1 @73777 has 12 MA's), (6, 73873), (9, 73894), (10, 73900), (11, 73906), (13, 73939), (14, 73981),

Gene: Circinus_111 Start: 73758, Stop: 73943, Start Num: 2
Candidate Starts for Circinus_111:
(Start: 2 @73758 has 4 MA's), (8, 73842), (10, 73860), (14, 73932),

Gene: Comrade_120 Start: 75758, Stop: 75973, Start Num: 1
Candidate Starts for Comrade_120:

(Start: 1 @75758 has 12 MA's), (6, 75854), (9, 75875), (11, 75887), (13, 75920), (14, 75962),

Gene: Faust_122 Start: 76380, Stop: 76604, Start Num: 1
Candidate Starts for Faust_122:
(Start: 1 @76380 has 12 MA's), (5, 76479), (7, 76488), (11, 76518), (12, 76527), (13, 76551), (14, 76593),

Gene: Karp_120 Start: 75729, Stop: 75944, Start Num: 1
Candidate Starts for Karp_120:
(Start: 1 @75729 has 12 MA's), (6, 75825), (9, 75846), (11, 75858), (13, 75891), (14, 75933),

Gene: Limpid_122 Start: 76297, Stop: 76512, Start Num: 1
Candidate Starts for Limpid_122:
(Start: 1 @76297 has 12 MA's), (3, 76354), (8, 76402), (13, 76459), (14, 76501),

Gene: Muntaha_117 Start: 72382, Stop: 72567, Start Num: 2
Candidate Starts for Muntaha_117:
(Start: 2 @72382 has 4 MA's), (8, 72466), (10, 72484), (14, 72556),

Gene: SeresaTree_122 Start: 75762, Stop: 75986, Start Num: 1
Candidate Starts for SeresaTree_122:
(Start: 1 @75762 has 12 MA's), (5, 75861), (7, 75870), (11, 75900), (12, 75909), (13, 75933), (14, 75975),

Gene: Sham_121 Start: 76116, Stop: 76340, Start Num: 1
Candidate Starts for Sham_121:
(Start: 1 @76116 has 12 MA's), (4, 76191), (7, 76224), (11, 76254), (12, 76263), (14, 76329),

Gene: SparkleGoddess_122 Start: 76058, Stop: 76273, Start Num: 1
Candidate Starts for SparkleGoddess_122:
(Start: 1 @76058 has 12 MA's), (6, 76154), (9, 76175), (11, 76187), (13, 76220), (14, 76262),

Gene: Stigma_122 Start: 76066, Stop: 76281, Start Num: 1
Candidate Starts for Stigma_122:
(Start: 1 @76066 has 12 MA's), (6, 76162), (9, 76183), (11, 76195), (13, 76228), (14, 76270),

Gene: TunaTartare_126 Start: 77844, Stop: 78068, Start Num: 1
Candidate Starts for TunaTartare_126:
(Start: 1 @77844 has 12 MA's), (4, 77919), (7, 77952), (11, 77982), (12, 77991), (14, 78057),

Gene: Wakanda_115 Start: 72224, Stop: 72409, Start Num: 2
Candidate Starts for Wakanda_115:
(Start: 2 @72224 has 4 MA's), (8, 72308), (10, 72326), (14, 72398),

Gene: Westy_125 Start: 77093, Stop: 77308, Start Num: 1
Candidate Starts for Westy_125:
(Start: 1 @77093 has 12 MA's), (6, 77189), (9, 77210), (11, 77222), (13, 77255), (14, 77297),