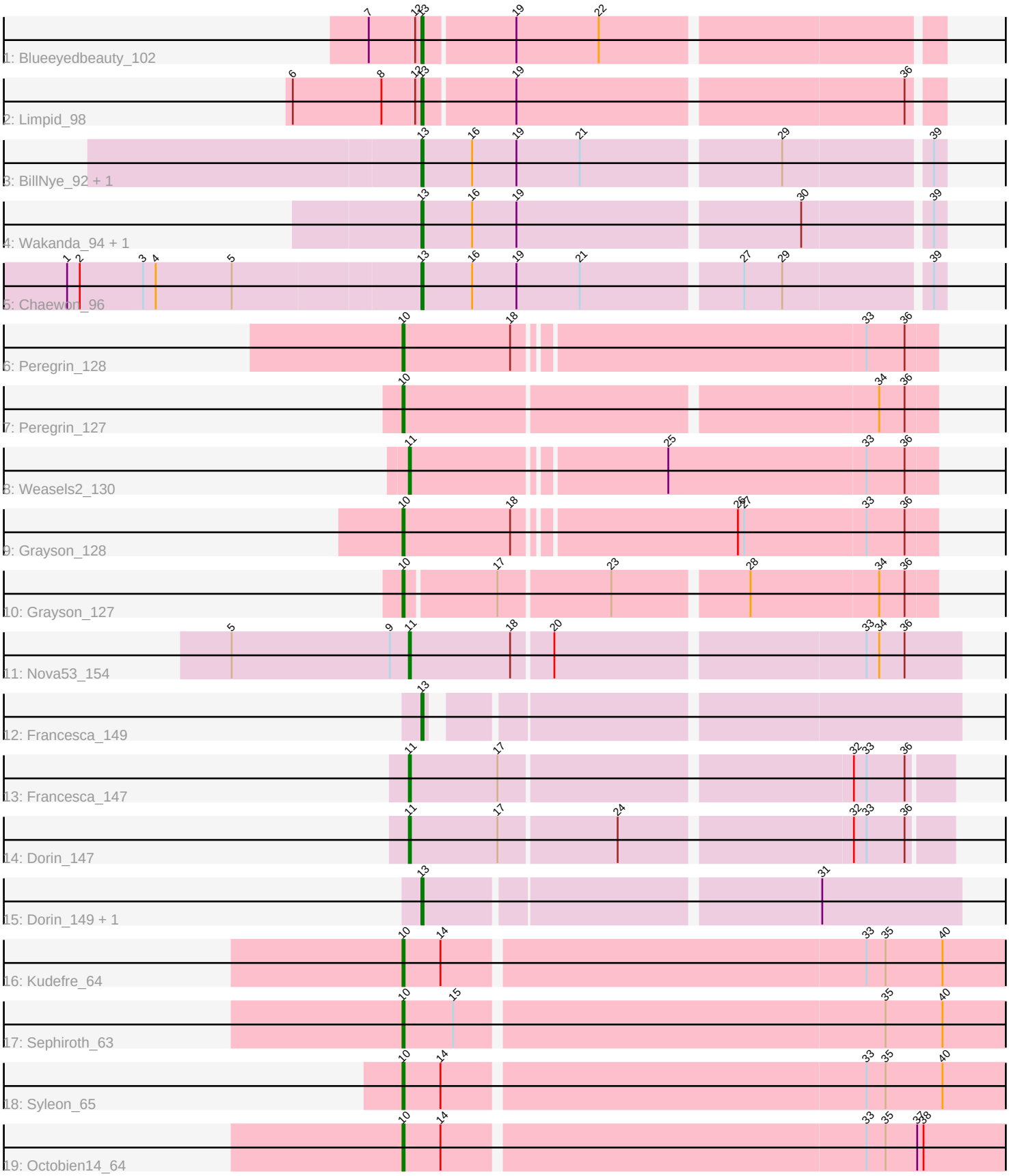
Pham 348025


1: Blueeyedbeauty_102
2: Limpid_98
3: BillNye_92 + 1
4: Wakanda_94 + 1
5: Chaewon_96
6: Peregrin_128
7: Peregrin_127
8: Weasels2_130
9: Grayson_128
10: Grayson_127
11: Nova53_154
12: Francesca_149
13: Francesca_147
14: Dorin_147
15: Dorin_149 + 1
16: Kudefre_64
17: Sephiroth_63
18: Syleon_65
19: Octobien14_64

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 348025 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348025 has 22 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Blueeyedbeauty_102
- Track 2 : Limpid_98
- Track 3 : BillNye_92, Circinus_93
- Track 4 : Wakanda_94, Muntaha_96
- Track 5 : Chaewon_96
- Track 6 : Peregrin_128
- Track 7 : Peregrin_127
- Track 8 : Weasels2_130
- Track 9 : Grayson_128
- Track 10 : Grayson_127
- Track 11 : Nova53_154
- Track 12 : Francesca_149
- Track 13 : Francesca_147
- Track 14 : Dorin_147
- Track 15 : Dorin_149, Nova53_156
- Track 16 : Kudefre_64
- Track 17 : Sephiroth_63
- Track 18 : Syleon_65
- Track 19 : Octobien14_64

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

The start number called the most often in the published annotations is 13, it was called in 10 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BillNye_92, Blueeyedbeauty_102, Chaewon_96, Circinus_93, Dorin_149, Francesca_149, Limpid_98, Muntaha_96, Nova53_156, Wakanda_94,

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

Genes that do not have the "Most Annotated" start:

• Dorin_147, Francesca_147, Grayson_127, Grayson_128, Kudefre_64, Nova53_154, Octobien14_64, Peregrin_127, Peregrin_128, Sephiroth_63, Syleon_65, Weasels2_130,

Summary by start number:

Start 10:
• Found in 8 of 22 (36.4%) of genes in pham
• Manual Annotations of this start: 8 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_127 (CB), Grayson_128 (CB), Kudefre_64 (DU1), Octobien14_64 (DU1), Peregrin_127 (CB), Peregrin_128 (CB), Sephiroth_63 (DU1), Syleon_65 (DU1),

Start 11:
• Found in 4 of 22 (18.2%) of genes in pham
• Manual Annotations of this start: 4 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_147 (CG), Francesca_147 (CG), Nova53_154 (CG), Weasels2_130 (CB),

Start 13:
• Found in 10 of 22 (45.5%) of genes in pham
• Manual Annotations of this start: 10 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_92 (BK2), Blueeyedbeauty_102 (BK1), Chaewon_96 (BK2), Circinus_93 (BK2), Dorin_149 (CG), Francesca_149 (CG), Limpid_98 (BK1), Muntaha_96 (BK2), Nova53_156 (CG), Wakanda_94 (BK2),

Summary by clusters:

There are 5 clusters represented in this pham: CB, CG, BK1, BK2, DU1,

Info for manual annotations of cluster BK1:
•Start number 13 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 13 was manually annotated 5 times for cluster BK2.

Info for manual annotations of cluster CB:
•Start number 10 was manually annotated 4 times for cluster CB.
•Start number 11 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster CG:
•Start number 11 was manually annotated 3 times for cluster CG.
•Start number 13 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster DU1:
•Start number 10 was manually annotated 4 times for cluster DU1.

Gene Information:

Gene: BillNye_92 Start: 68857, Stop: 69093, Start Num: 13
Candidate Starts for BillNye_92:
(Start: 13 @68857 has 10 MA's), (16, 68881), (19, 68902), (21, 68932), (29, 69022), (39, 69088),

Gene: Blueeyedbeauty_102 Start: 67743, Stop: 67976, Start Num: 13
Candidate Starts for Blueeyedbeauty_102:
(7, 67719), (12, 67740), (Start: 13 @67743 has 10 MA's), (19, 67785), (22, 67824),

Gene: Chaewon_96 Start: 68701, Stop: 68937, Start Num: 13
Candidate Starts for Chaewon_96:
(1, 68536), (2, 68542), (3, 68572), (4, 68578), (5, 68614), (Start: 13 @68701 has 10 MA's), (16, 68725), (19, 68746), (21, 68776), (27, 68848), (29, 68866), (39, 68932),

Gene: Circinus_93 Start: 68844, Stop: 69080, Start Num: 13
Candidate Starts for Circinus_93:
(Start: 13 @68844 has 10 MA's), (16, 68868), (19, 68889), (21, 68919), (29, 69009), (39, 69075),

Gene: Dorin_147 Start: 88197, Stop: 88442, Start Num: 11
Candidate Starts for Dorin_147:
(Start: 11 @88197 has 4 MA's), (17, 88239), (24, 88293), (32, 88398), (33, 88404), (36, 88422),

Gene: Dorin_149 Start: 88606, Stop: 88848, Start Num: 13
Candidate Starts for Dorin_149:
(Start: 13 @88606 has 10 MA's), (31, 88783),

Gene: Francesca_149 Start: 89303, Stop: 89536, Start Num: 13
Candidate Starts for Francesca_149:
(Start: 13 @89303 has 10 MA's),

Gene: Francesca_147 Start: 88894, Stop: 89139, Start Num: 11
Candidate Starts for Francesca_147:
(Start: 11 @88894 has 4 MA's), (17, 88936), (32, 89095), (33, 89101), (36, 89119),

Gene: Grayson_128 Start: 77193, Stop: 77435, Start Num: 10
Candidate Starts for Grayson_128:
(Start: 10 @77193 has 8 MA's), (18, 77244), (26, 77343), (27, 77346), (33, 77403), (36, 77421),

Gene: Grayson_127 Start: 76957, Stop: 77196, Start Num: 10
Candidate Starts for Grayson_127:
(Start: 10 @76957 has 8 MA's), (17, 76999), (23, 77050), (28, 77110), (34, 77170), (36, 77182),

Gene: Kudefre_64 Start: 42258, Stop: 42548, Start Num: 10
Candidate Starts for Kudefre_64:
(Start: 10 @42258 has 8 MA's), (14, 42276), (33, 42471), (35, 42480), (40, 42507),

Gene: Limpid_98 Start: 67780, Stop: 68013, Start Num: 13
Candidate Starts for Limpid_98:
(6, 67720), (8, 67762), (12, 67777), (Start: 13 @67780 has 10 MA's), (19, 67822), (36, 67999),

Gene: Muntaha_96 Start: 67690, Stop: 67926, Start Num: 13
Candidate Starts for Muntaha_96:
(Start: 13 @67690 has 10 MA's), (16, 67714), (19, 67735), (30, 67864), (39, 67921),

Gene: Nova53_154 Start: 90559, Stop: 90810, Start Num: 11
Candidate Starts for Nova53_154:
(5, 90475), (9, 90550), (Start: 11 @90559 has 4 MA's), (18, 90607), (20, 90625), (33, 90766), (34, 90772), (36, 90784),

Gene: Nova53_156 Start: 90976, Stop: 91218, Start Num: 13
Candidate Starts for Nova53_156:
(Start: 13 @90976 has 10 MA's), (31, 91153),

Gene: Octobien14_64 Start: 42555, Stop: 42845, Start Num: 10
Candidate Starts for Octobien14_64:
(Start: 10 @42555 has 8 MA's), (14, 42573), (33, 42768), (35, 42777), (37, 42792), (38, 42795),

Gene: Peregrin_128 Start: 77403, Stop: 77645, Start Num: 10
Candidate Starts for Peregrin_128:
(Start: 10 @77403 has 8 MA's), (18, 77454), (33, 77613), (36, 77631),

Gene: Peregrin_127 Start: 77164, Stop: 77406, Start Num: 10
Candidate Starts for Peregrin_127:
(Start: 10 @77164 has 8 MA's), (34, 77380), (36, 77392),

Gene: Sephiroth_63 Start: 42430, Stop: 42720, Start Num: 10
Candidate Starts for Sephiroth_63:
(Start: 10 @42430 has 8 MA's), (15, 42454), (35, 42652), (40, 42679),

Gene: Syleon_65 Start: 42371, Stop: 42661, Start Num: 10
Candidate Starts for Syleon_65:
(Start: 10 @42371 has 8 MA's), (14, 42389), (33, 42584), (35, 42593), (40, 42620),

Gene: Wakanda_94 Start: 67532, Stop: 67768, Start Num: 13
Candidate Starts for Wakanda_94:
(Start: 13 @67532 has 10 MA's), (16, 67556), (19, 67577), (30, 67706), (39, 67763),

Gene: Weasels2_130 Start: 78415, Stop: 78654, Start Num: 11
Candidate Starts for Weasels2_130:
(Start: 11 @78415 has 4 MA's), (25, 78529), (33, 78622), (36, 78640),