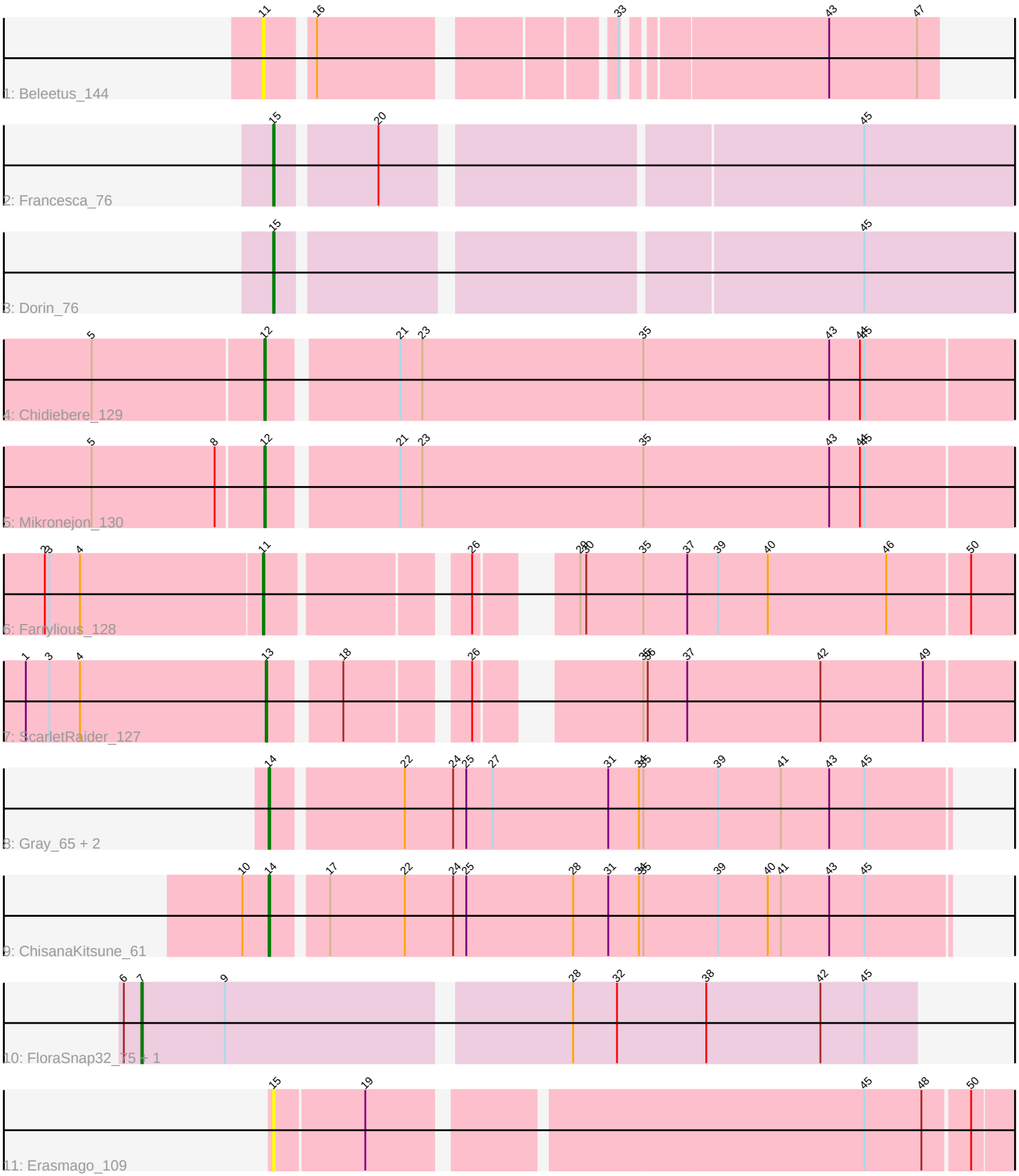
Pham 348165


11
16
33
43
47
1: Beleetus_144
15
20
45
2: Francesca_76
15
45
3: Dorin_76
5
12
21
23
35
43
44
45
4: Chidiebere_129
5
8
12
21
23
35
43
44
45
5: Mikronejon_130
2
3
4
11
26
28
29
35
37
39
40
46
50
6: Farnylious_128
1
3
4
13
18
26
35
36
37
42
49
7: ScarletRaider_127
14
22
24
25
27
31
34
35
39
41
43
45
8: Gray_65 + 2
10
14
17
22
24
25
28
31
34
35
39
40
41
43
45
9: ChisanaKitsune_61
6
7
9
28
32
38
42
45
10: FloraSnap32_75 + 1
15
19
45
48
50
11: Erasmago_109

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 348165 Report

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

Pham number 348165 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Beleetus_144
• Track 2 : Francesca_76
• Track 3 : Dorin_76
• Track 4 : Chidiebere_129
• Track 5 : Mikronejon_130
• Track 6 : Farrylious_128
• Track 7 : ScarletRaider_127
• Track 8 : Gray_65, Kabocha_66, Chidiebere_65
• Track 9 : ChisanaKitsune_61
• Track 10 : FloraSnap32_75, Patbob_77
• Track 11 : Erasmago_109

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 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chidiebere_65, ChisanaKitsune_61, Gray_65, Kabocha_66,

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

Genes that do not have the "Most Annotated" start:
• Beleetus_144, Chidiebere_129, Dorin_76, Erasmago_109, Farrylious_128, FloraSnap32_75, Francesca_76, Mikronejon_130, Patbob_77, ScarletRaider_127,

Summary by start number:

Start 7:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FloraSnap32_75 (FC), Patbob_77 (FC),

Start 11:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beleetus_144 (BS), Farrylious_128 (DQ),

Start 12:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chidiebere_129 (DQ), Mikronejon_130 (DQ),

Start 13:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScarletRaider_127 (DQ),

Start 14:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chidiebere_65 (DQ), ChisanaKitsune_61 (DQ), Gray_65 (DQ), Kabocha_66 (DQ),

Start 15:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_76 (CG), Erasmago_109 (GD2), Francesca_76 (CG),

Summary by clusters:

There are 5 clusters represented in this pham: BS, GD2, FC, CG, DQ,

Info for manual annotations of cluster CG:
•Start number 15 was manually annotated 2 times for cluster CG.

Info for manual annotations of cluster DQ:
•Start number 11 was manually annotated 1 time for cluster DQ.
•Start number 12 was manually annotated 2 times for cluster DQ.
•Start number 13 was manually annotated 1 time for cluster DQ.
•Start number 14 was manually annotated 4 times for cluster DQ.

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Beleetus_144 Start: 78377, Stop: 78778, Start Num: 11
Candidate Starts for Beleetus_144:
(Start: 11 @78377 has 1 MA's), (16, 78404), (33, 78578), (43, 78704), (47, 78764),

Gene: Chidiebere_129 Start: 90897, Stop: 90346, Start Num: 12
Candidate Starts for Chidiebere_129:
(5, 91011), (Start: 12 @90897 has 2 MA's), (21, 90816), (23, 90801), (35, 90651), (43, 90525), (44, 90504), (45, 90501),

Gene: Chidiebere_65 Start: 51821, Stop: 52273, Start Num: 14
Candidate Starts for Chidiebere_65:
(Start: 14 @51821 has 4 MA's), (22, 51905), (24, 51938), (25, 51947), (27, 51965), (31, 52043), (34, 52064), (35, 52067), (39, 52118), (41, 52160), (43, 52193), (45, 52217),

Gene: ChisanaKitsune_61 Start: 50595, Stop: 51047, Start Num: 14
Candidate Starts for ChisanaKitsune_61:
(10, 50577), (Start: 14 @50595 has 4 MA's), (17, 50628), (22, 50679), (24, 50712), (25, 50721), (28, 50793), (31, 50817), (34, 50838), (35, 50841), (39, 50892), (40, 50925), (41, 50934), (43, 50967), (45, 50991),

Gene: Dorin_76 Start: 59997, Stop: 60470, Start Num: 15
Candidate Starts for Dorin_76:
(Start: 15 @59997 has 2 MA's), (45, 60369),

Gene: Erasmago_109 Start: 78875, Stop: 79378, Start Num: 15
Candidate Starts for Erasmago_109:
(Start: 15 @78875 has 2 MA's), (19, 78935), (45, 79253), (48, 79292), (50, 79322),

Gene: Farrylious_128 Start: 89655, Stop: 89143, Start Num: 11
Candidate Starts for Farrylious_128:
(2, 89802), (3, 89799), (4, 89778), (Start: 11 @89655 has 1 MA's), (26, 89535), (29, 89490), (30, 89487), (35, 89448), (37, 89418), (39, 89397), (40, 89364), (46, 89283), (50, 89229),

Gene: FloraSnap32_75 Start: 42949, Stop: 42437, Start Num: 7
Candidate Starts for FloraSnap32_75:
(6, 42961), (Start: 7 @42949 has 2 MA's), (9, 42892), (28, 42670), (32, 42640), (38, 42580), (42, 42502), (45, 42472),

Gene: Francesca_76 Start: 60735, Stop: 61208, Start Num: 15
Candidate Starts for Francesca_76:
(Start: 15 @60735 has 2 MA's), (20, 60798), (45, 61107),

Gene: Gray_65 Start: 51821, Stop: 52273, Start Num: 14
Candidate Starts for Gray_65:
(Start: 14 @51821 has 4 MA's), (22, 51905), (24, 51938), (25, 51947), (27, 51965), (31, 52043), (34, 52064), (35, 52067), (39, 52118), (41, 52160), (43, 52193), (45, 52217),

Gene: Kabocha_66 Start: 52633, Stop: 53085, Start Num: 14
Candidate Starts for Kabocha_66:

(Start: 14 @52633 has 4 MA's), (22, 52717), (24, 52750), (25, 52759), (27, 52777), (31, 52855), (34, 52876), (35, 52879), (39, 52930), (41, 52972), (43, 53005), (45, 53029),

Gene: Mikronejon_130 Start: 90250, Stop: 89696, Start Num: 12
Candidate Starts for Mikronejon_130:
(5, 90364), (8, 90280), (Start: 12 @90250 has 2 MA's), (21, 90169), (23, 90154), (35, 90004), (43, 89878), (44, 89857), (45, 89854),

Gene: Patbob_77 Start: 44134, Stop: 43622, Start Num: 7
Candidate Starts for Patbob_77:
(6, 44146), (Start: 7 @44134 has 2 MA's), (9, 44077), (28, 43855), (32, 43825), (38, 43765), (42, 43687), (45, 43657),

Gene: ScarletRaider_127 Start: 92635, Stop: 92135, Start Num: 13
Candidate Starts for ScarletRaider_127:
(1, 92797), (3, 92782), (4, 92761), (Start: 13 @92635 has 1 MA's), (18, 92593), (26, 92521), (35, 92434), (36, 92431), (37, 92404), (42, 92314), (49, 92245),