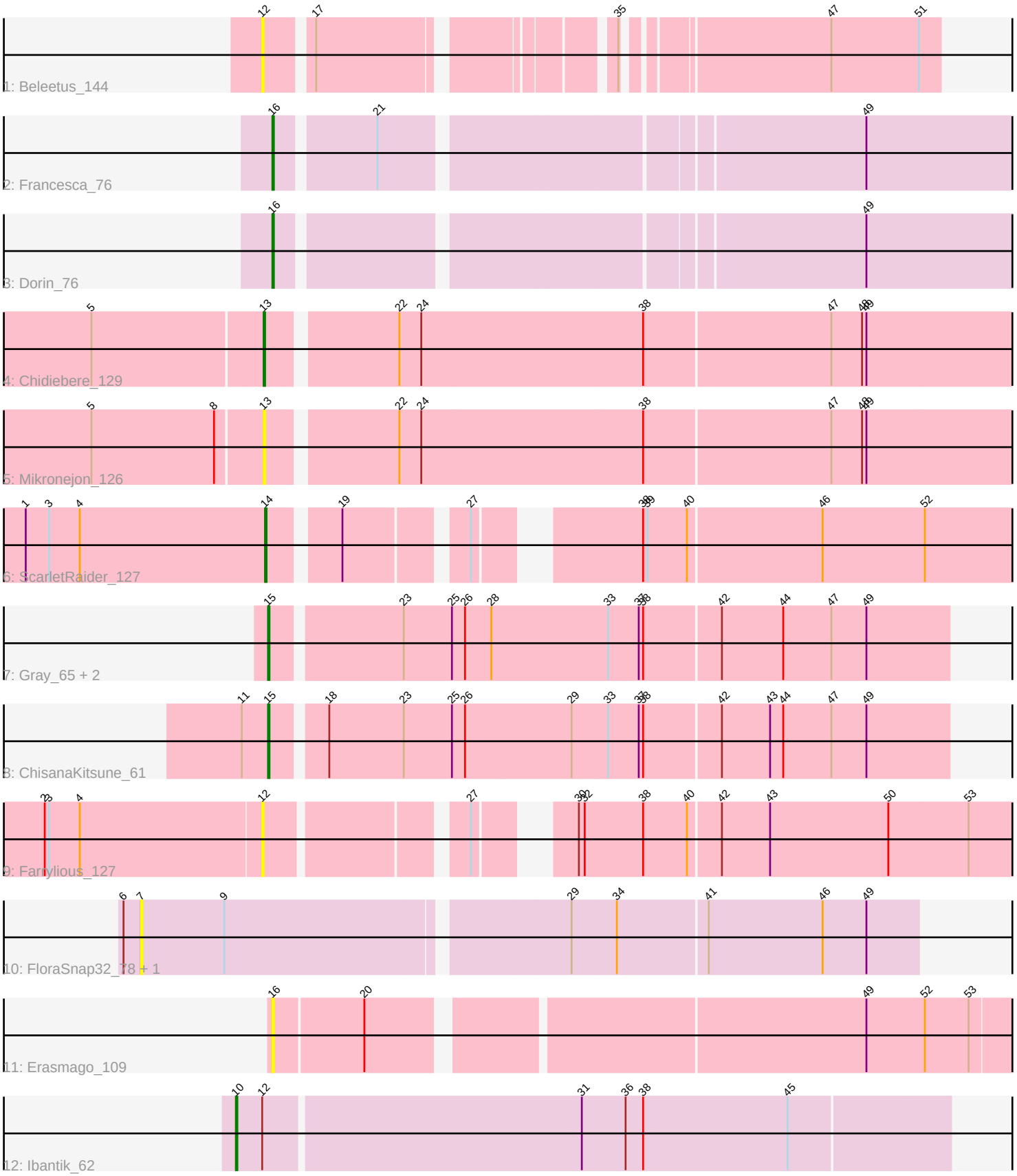
Pham 282554


1: Beleetus_144
2: Francesca_76
3: Dorin_76
4: Chidiebere_129
5: Mikronejon_126
6: ScarletRaider_127
7: Gray_65 + 2
8: ChisanaKitsune_61
9: Farnylious_127
10: FloraSnap32_78 + 1
11: Erasmago_109
12: Ibantik_62

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 282554 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282554 has 15 members, 6 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_126
• Track 6 : ScarletRaider_127
• Track 7 : Gray_65, Kabocha_66, Chidiebere_65
• Track 8 : ChisanaKitsune_61
• Track 9 : Farrylious_127
• Track 10 : FloraSnap32_78, Patbob_79
• Track 11 : Erasmago_109
• Track 12 : Ibantik_62

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

The start number called the most often in the published annotations is 15, it was called in 4 of the 9 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_127, FloraSnap32_78, Francesca_76, Ibantik_62, Mikronejon_126, Patbob_79, ScarletRaider_127,

Summary by start number:

Start 7:
• Found in 2 of 15 (13.3%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: FloraSnap32_78 (FC), Patbob_79 (FC),

Start 10:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_62 (singleton),

Start 12:
• Found in 3 of 15 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Beleetus_144 (BS), Farrylious_127 (DQ),

Start 13:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chidiebere_129 (DQ), Mikronejon_126 (DQ),

Start 14:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScarletRaider_127 (DQ),

Start 15:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 4 of 9
• 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 16:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• 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 6 clusters represented in this pham: singleton, CG, GD2, FC, BS, DQ,

Info for manual annotations of cluster CG:
•Start number 16 was manually annotated 2 times for cluster CG.

Info for manual annotations of cluster DQ:
•Start number 13 was manually annotated 1 time for cluster DQ.

•Start number 14 was manually annotated 1 time for cluster DQ.
•Start number 15 was manually annotated 4 times for cluster DQ.

Gene Information:

Gene: Beleetus_144 Start: 78377, Stop: 78778, Start Num: 12
Candidate Starts for Beleetus_144:
(12, 78377), (17, 78404), (35, 78578), (47, 78704), (51, 78764),

Gene: Chidiebere_129 Start: 90897, Stop: 90346, Start Num: 13
Candidate Starts for Chidiebere_129:
(5, 91011), (Start: 13 @90897 has 1 MA's), (22, 90816), (24, 90801), (38, 90651), (47, 90525), (48, 90504), (49, 90501),

Gene: Chidiebere_65 Start: 51821, Stop: 52273, Start Num: 15
Candidate Starts for Chidiebere_65:
(Start: 15 @51821 has 4 MA's), (23, 51905), (25, 51938), (26, 51947), (28, 51965), (33, 52043), (37, 52064), (38, 52067), (42, 52118), (44, 52160), (47, 52193), (49, 52217),

Gene: ChisanaKitsune_61 Start: 50595, Stop: 51047, Start Num: 15
Candidate Starts for ChisanaKitsune_61:
(11, 50577), (Start: 15 @50595 has 4 MA's), (18, 50628), (23, 50679), (25, 50712), (26, 50721), (29, 50793), (33, 50817), (37, 50838), (38, 50841), (42, 50892), (43, 50925), (44, 50934), (47, 50967), (49, 50991),

Gene: Dorin_76 Start: 59997, Stop: 60470, Start Num: 16
Candidate Starts for Dorin_76:
(Start: 16 @59997 has 2 MA's), (49, 60369),

Gene: Erasmago_109 Start: 78875, Stop: 79378, Start Num: 16
Candidate Starts for Erasmago_109:
(Start: 16 @78875 has 2 MA's), (20, 78935), (49, 79253), (52, 79292), (53, 79322),

Gene: Farrylious_127 Start: 89655, Stop: 89143, Start Num: 12
Candidate Starts for Farrylious_127:
(2, 89802), (3, 89799), (4, 89778), (12, 89655), (27, 89535), (30, 89490), (32, 89487), (38, 89448), (40, 89418), (42, 89397), (43, 89364), (50, 89283), (53, 89229),

Gene: FloraSnap32_78 Start: 42949, Stop: 42437, Start Num: 7
Candidate Starts for FloraSnap32_78:
(6, 42961), (7, 42949), (9, 42892), (29, 42670), (34, 42640), (41, 42580), (46, 42502), (49, 42472),

Gene: Francesca_76 Start: 60735, Stop: 61208, Start Num: 16
Candidate Starts for Francesca_76:
(Start: 16 @60735 has 2 MA's), (21, 60798), (49, 61107),

Gene: Gray_65 Start: 51821, Stop: 52273, Start Num: 15
Candidate Starts for Gray_65:

(Start: 15 @51821 has 4 MA's), (23, 51905), (25, 51938), (26, 51947), (28, 51965), (33, 52043), (37, 52064), (38, 52067), (42, 52118), (44, 52160), (47, 52193), (49, 52217),

Gene: Ibantik_62 Start: 26677, Stop: 27156, Start Num: 10
Candidate Starts for Ibantik_62:
(Start: 10 @26677 has 1 MA's), (12, 26695), (31, 26908), (36, 26938), (38, 26950), (45, 27049),

Gene: Kabocha_66 Start: 52633, Stop: 53085, Start Num: 15
Candidate Starts for Kabocha_66:
(Start: 15 @52633 has 4 MA's), (23, 52717), (25, 52750), (26, 52759), (28, 52777), (33, 52855), (37, 52876), (38, 52879), (42, 52930), (44, 52972), (47, 53005), (49, 53029),

Gene: Mikronejon_126 Start: 90250, Stop: 89696, Start Num: 13
Candidate Starts for Mikronejon_126:
(5, 90364), (8, 90280), (Start: 13 @90250 has 1 MA's), (22, 90169), (24, 90154), (38, 90004), (47, 89878), (48, 89857), (49, 89854),

Gene: Patbob_79 Start: 44134, Stop: 43622, Start Num: 7
Candidate Starts for Patbob_79:
(6, 44146), (7, 44134), (9, 44077), (29, 43855), (34, 43825), (41, 43765), (46, 43687), (49, 43657),

Gene: ScarletRaider_127 Start: 92635, Stop: 92135, Start Num: 14
Candidate Starts for ScarletRaider_127:
(1, 92797), (3, 92782), (4, 92761), (Start: 14 @92635 has 1 MA's), (19, 92593), (27, 92521), (38, 92434), (39, 92431), (40, 92404), (46, 92314), (52, 92245),