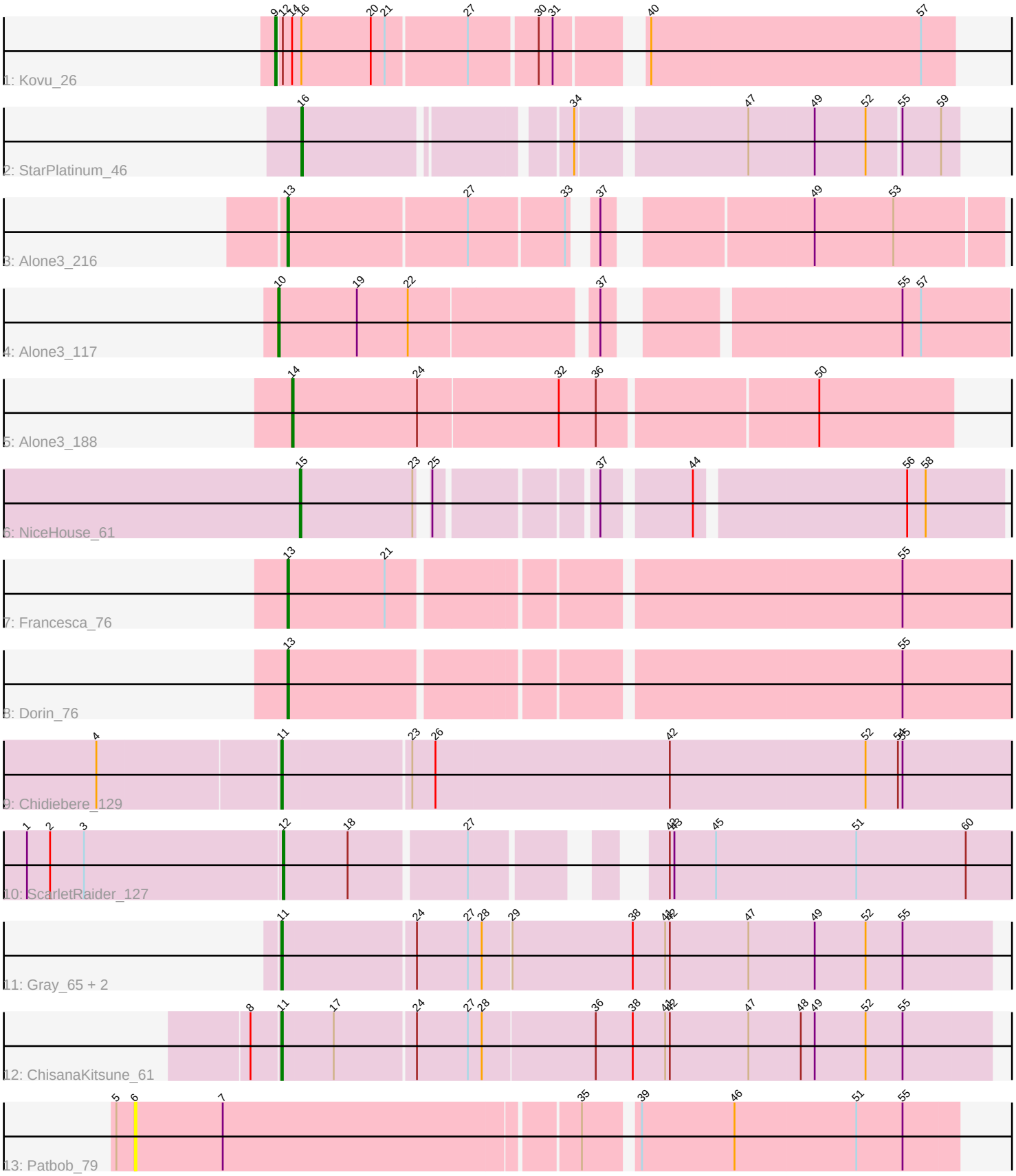
Pham 196946


1: Kovu_26
2: StarPlatinum_46
3: Alone3_216
4: Alone3_117
5: Alone3_188
6: NiceHouse_61
7: Francesca_76
8: Dorin_76
9: Chidiebere_129
10: ScarletRaider_127
11: Gray_65 + 2
12: ChisanaKitsune_61
13: Patbob_79

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 196946 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196946 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kovu_26
• Track 2 : StarPlatinum_46
• Track 3 : Alone3_216
• Track 4 : Alone3_117
• Track 5 : Alone3_188
• Track 6 : NiceHouse_61
• Track 7 : Francesca_76
• Track 8 : Dorin_76
• Track 9 : Chidiebere_129
• Track 10 : ScarletRaider_127
• Track 11 : Gray_65, Kabocha_66, Chidiebere_65
• Track 12 : ChisanaKitsune_61
• Track 13 : Patbob_79

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chidiebere_129, 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:
• Alone3_117, Alone3_188, Alone3_216, Dorin_76, Francesca_76, Kovu_26, NiceHouse_61, Patbob_79, ScarletRaider_127, StarPlatinum_46,

Summary by start number:

Start 6:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.

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

Start 9:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kovu_26 (AL),

Start 10:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_117 (BS),

Start 11:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chidiebere_129 (DQ), Chidiebere_65 (DQ), ChisanaKitsune_61 (DQ), Gray_65 (DQ), Kabocha_66 (DQ),

Start 12:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ScarletRaider_127 (DQ),

Start 13:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alone3_216 (BS), Dorin_76 (CG), Francesca_76 (CG),

Start 14:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Alone3_188 (BS),

Start 15:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_61 (CE),

Start 16:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: StarPlatinum_46 (BE2),

Summary by clusters:

There are 7 clusters represented in this pham: CG, AL, CE, FC, BS, BE2, DQ,

Info for manual annotations of cluster AL:
•Start number 9 was manually annotated 1 time for cluster AL.

Info for manual annotations of cluster BE2:
•Start number 16 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BS:
•Start number 10 was manually annotated 1 time for cluster BS.
•Start number 13 was manually annotated 1 time for cluster BS.
•Start number 14 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster CE:
•Start number 15 was manually annotated 1 time for cluster CE.

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

Info for manual annotations of cluster DQ:
•Start number 11 was manually annotated 5 times for cluster DQ.
•Start number 12 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Alone3_216 Start: 111609, Stop: 111190, Start Num: 13
Candidate Starts for Alone3_216:
(Start: 13 @111609 has 3 MA's), (27, 111495), (33, 111435), (37, 111426), (49, 111309), (53, 111258),

Gene: Alone3_117 Start: 62982, Stop: 63413, Start Num: 10
Candidate Starts for Alone3_117:
(Start: 10 @62982 has 1 MA's), (19, 63033), (22, 63066), (37, 63177), (55, 63345), (57, 63357),

Gene: Alone3_188 Start: 97401, Stop: 96985, Start Num: 14
Candidate Starts for Alone3_188:
(Start: 14 @97401 has 1 MA's), (24, 97320), (32, 97230), (36, 97206), (50, 97071),

Gene: Chidiebere_129 Start: 90897, Stop: 90346, Start Num: 11
Candidate Starts for Chidiebere_129:
(4, 91011), (Start: 11 @90897 has 5 MA's), (23, 90816), (26, 90801), (42, 90651), (52, 90525), (54, 90504), (55, 90501),

Gene: Chidiebere_65 Start: 51821, Stop: 52273, Start Num: 11
Candidate Starts for Chidiebere_65:
(Start: 11 @51821 has 5 MA's), (24, 51905), (27, 51938), (28, 51947), (29, 51965), (38, 52043), (41, 52064), (42, 52067), (47, 52118), (49, 52160), (52, 52193), (55, 52217),

Gene: ChisanaKitsune_61 Start: 50595, Stop: 51047, Start Num: 11
Candidate Starts for ChisanaKitsune_61:
(8, 50577), (Start: 11 @50595 has 5 MA's), (17, 50628), (24, 50679), (27, 50712), (28, 50721), (36, 50793), (38, 50817), (41, 50838), (42, 50841), (47, 50892), (48, 50925), (49, 50934), (52, 50967), (55, 50991),

Gene: Dorin_76 Start: 59997, Stop: 60470, Start Num: 13
Candidate Starts for Dorin_76:
(Start: 13 @59997 has 3 MA's), (55, 60369),

Gene: Francesca_76 Start: 60735, Stop: 61208, Start Num: 13
Candidate Starts for Francesca_76:
(Start: 13 @60735 has 3 MA's), (21, 60798), (55, 61107),

Gene: Gray_65 Start: 51821, Stop: 52273, Start Num: 11
Candidate Starts for Gray_65:
(Start: 11 @51821 has 5 MA's), (24, 51905), (27, 51938), (28, 51947), (29, 51965), (38, 52043), (41, 52064), (42, 52067), (47, 52118), (49, 52160), (52, 52193), (55, 52217),

Gene: Kabocha_66 Start: 52633, Stop: 53085, Start Num: 11
Candidate Starts for Kabocha_66:
(Start: 11 @52633 has 5 MA's), (24, 52717), (27, 52750), (28, 52759), (29, 52777), (38, 52855), (41, 52876), (42, 52879), (47, 52930), (49, 52972), (52, 53005), (55, 53029),

Gene: Kovu_26 Start: 17736, Stop: 17326, Start Num: 9
Candidate Starts for Kovu_26:
(Start: 9 @17736 has 1 MA's), (Start: 12 @17733 has 1 MA's), (Start: 14 @17727 has 1 MA's), (Start: 16 @17721 has 1 MA's), (20, 17676), (21, 17667), (27, 17616), (30, 17574), (31, 17565), (40, 17520), (57, 17346),

Gene: NiceHouse_61 Start: 34862, Stop: 35269, Start Num: 15
Candidate Starts for NiceHouse_61:
(Start: 15 @34862 has 1 MA's), (23, 34934), (25, 34937), (37, 35027), (44, 35078), (56, 35207), (58, 35219),

Gene: Patbob_79 Start: 44134, Stop: 43622, Start Num: 6
Candidate Starts for Patbob_79:
(5, 44146), (6, 44134), (7, 44077), (35, 43855), (39, 43825), (46, 43765), (51, 43687), (55, 43657),

Gene: ScarletRaider_127 Start: 92635, Stop: 92135, Start Num: 12
Candidate Starts for ScarletRaider_127:
(1, 92797), (2, 92782), (3, 92761), (Start: 12 @92635 has 1 MA's), (18, 92593), (27, 92521), (42, 92434), (43, 92431), (45, 92404), (51, 92314), (60, 92245),

Gene: StarPlatinum_46 Start: 22656, Stop: 23042, Start Num: 16
Candidate Starts for StarPlatinum_46:
(Start: 16 @22656 has 1 MA's), (34, 22809), (47, 22911), (49, 22953), (52, 22986), (55, 23007), (59, 23031),