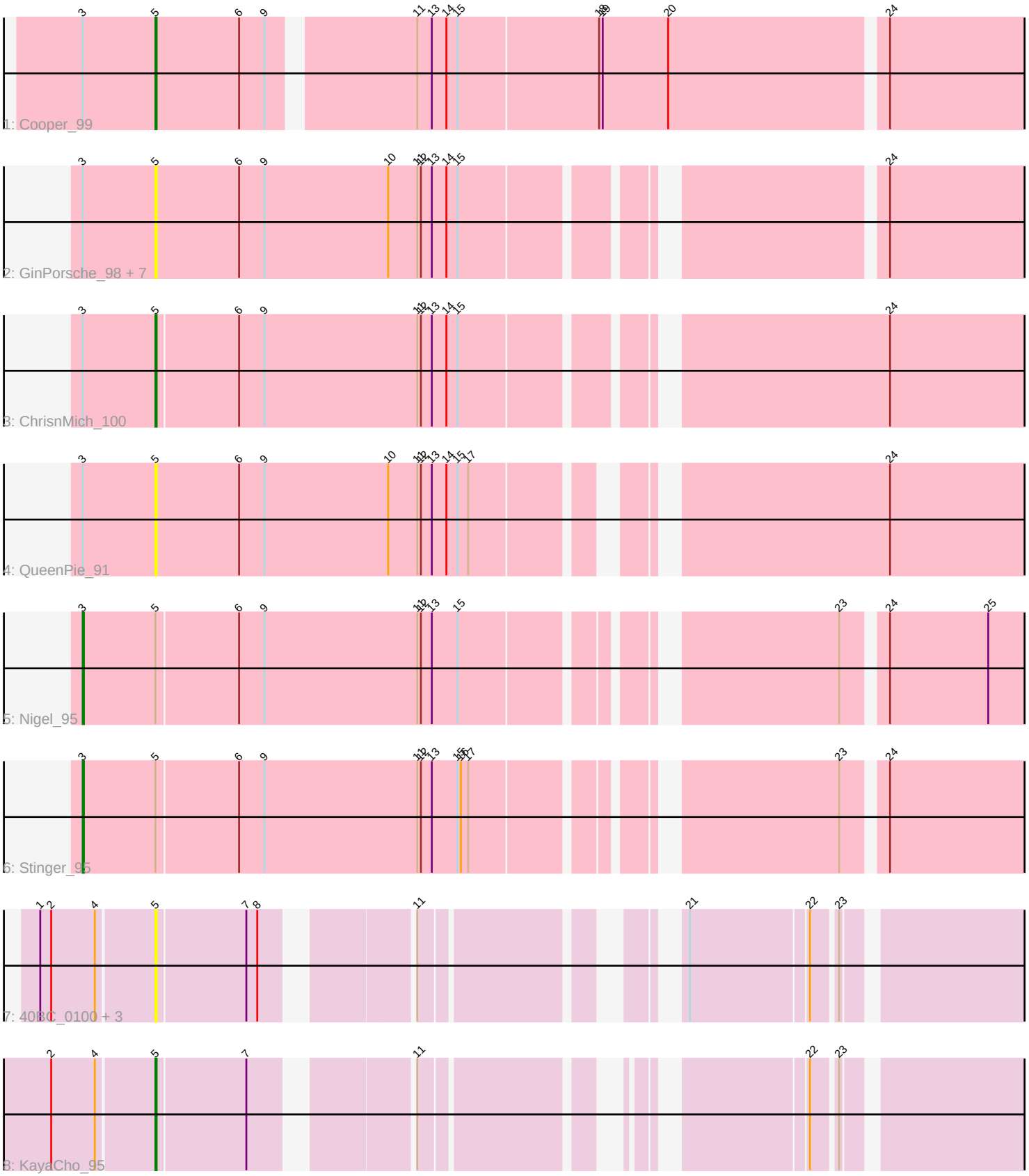
Pham 196884


1: Cooper_99
2: GinPorsche_98 + 7
3: ChrisnMich_100
4: QueenPie_91
5: Nigel_95
6: Stinger_95
7: 408C_0100 + 3
8: KayaCho_95

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 196884 Report

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

Pham number 196884 has 18 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Cooper_99
• Track 2 : GinPorsche_98, Hally898_96, Ahwei_96, Poster_97, Nanao_98, Antihero_98, Epah_98, Lambano_96
• Track 3 : ChrisnMich_100
• Track 4 : QueenPie_91
• Track 5 : Nigel_95
• Track 6 : Stinger_95
• Track 7 : 40BC_0100, Hosp_095, Jolie1_098, 39HC_0100
• Track 8 : KayaCho_95

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_0100, 40BC_0100, Ahwei_96, Antihero_98, ChrisnMich_100, Cooper_99, Epah_98, GinPorsche_98, Hally898_96, Hosp_095, Jolie1_098, KayaCho_95, Lambano_96, Nanao_98, Poster_97, QueenPie_91,

Genes that have the "Most Annotated" start but do not call it:
• Nigel_95, Stinger_95,

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

Summary by start number:

Start 3:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Nigel_95 (B4), Stinger_95 (B4),

Start 5:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 88.9% of time when present
• Phage (with cluster) where this start called: 39HC_0100 (B6), 40BC_0100 (B6), Ahwei_96 (B4), Antihero_98 (B4), ChrisnMich_100 (B4), Cooper_99 (B4), Epah_98 (B4), GinPorsche_98 (B4), Hally898_96 (B4), Hosp_095 (B6), Jolie1_098 (B6), KayaCho_95 (B6), Lambano_96 (B4), Nanao_98 (B4), Poster_97 (B4), QueenPie_91 (B4),

Summary by clusters:

There are 2 clusters represented in this pham: B4, B6,

Info for manual annotations of cluster B4:
•Start number 3 was manually annotated 2 times for cluster B4.
•Start number 5 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B6:
•Start number 5 was manually annotated 1 time for cluster B6.

Gene Information:

Gene: 39HC_0100 Start: 71338, Stop: 70730, Start Num: 5
Candidate Starts for 39HC_0100:
(1, 71428), (2, 71419), (4, 71383), (Start: 5 @71338 has 3 MA's), (7, 71266), (8, 71257), (11, 71158), (21, 70999), (22, 70906), (23, 70888),

Gene: 40BC_0100 Start: 71338, Stop: 70730, Start Num: 5
Candidate Starts for 40BC_0100:
(1, 71428), (2, 71419), (4, 71383), (Start: 5 @71338 has 3 MA's), (7, 71266), (8, 71257), (11, 71158), (21, 70999), (22, 70906), (23, 70888),

Gene: Ahwei_96 Start: 70567, Stop: 69878, Start Num: 5
Candidate Starts for Ahwei_96:
(Start: 3 @70627 has 2 MA's), (Start: 5 @70567 has 3 MA's), (6, 70498), (9, 70477), (10, 70375), (11, 70351), (12, 70348), (13, 70339), (14, 70327), (15, 70318), (24, 70018),

Gene: Antihero_98 Start: 70492, Stop: 69803, Start Num: 5
Candidate Starts for Antihero_98:
(Start: 3 @70552 has 2 MA's), (Start: 5 @70492 has 3 MA's), (6, 70423), (9, 70402), (10, 70300), (11, 70276), (12, 70273), (13, 70264), (14, 70252), (15, 70243), (24, 69943),

Gene: ChrisnMich_100 Start: 70192, Stop: 69494, Start Num: 5
Candidate Starts for ChrisnMich_100:
(Start: 3 @70252 has 2 MA's), (Start: 5 @70192 has 3 MA's), (6, 70126), (9, 70105), (11, 69979), (12, 69976), (13, 69967), (14, 69955), (15, 69946), (24, 69634),

Gene: Cooper_99 Start: 70418, Stop: 69705, Start Num: 5
Candidate Starts for Cooper_99:

(Start: 3 @70478 has 2 MA's), (Start: 5 @70418 has 3 MA's), (6, 70349), (9, 70328), (11, 70220), (13, 70208), (14, 70196), (15, 70187), (18, 70073), (19, 70070), (20, 70016), (24, 69845),

Gene: Epah_98 Start: 70492, Stop: 69803, Start Num: 5
Candidate Starts for Epah_98:
(Start: 3 @70552 has 2 MA's), (Start: 5 @70492 has 3 MA's), (6, 70423), (9, 70402), (10, 70300), (11, 70276), (12, 70273), (13, 70264), (14, 70252), (15, 70243), (24, 69943),

Gene: GinPorsche_98 Start: 70489, Stop: 69800, Start Num: 5
Candidate Starts for GinPorsche_98:
(Start: 3 @70549 has 2 MA's), (Start: 5 @70489 has 3 MA's), (6, 70420), (9, 70399), (10, 70297), (11, 70273), (12, 70270), (13, 70261), (14, 70249), (15, 70240), (24, 69940),

Gene: Hally898_96 Start: 70329, Stop: 69640, Start Num: 5
Candidate Starts for Hally898_96:
(Start: 3 @70389 has 2 MA's), (Start: 5 @70329 has 3 MA's), (6, 70260), (9, 70239), (10, 70137), (11, 70113), (12, 70110), (13, 70101), (14, 70089), (15, 70080), (24, 69780),

Gene: Hosp_095 Start: 68642, Stop: 68034, Start Num: 5
Candidate Starts for Hosp_095:
(1, 68732), (2, 68723), (4, 68687), (Start: 5 @68642 has 3 MA's), (7, 68570), (8, 68561), (11, 68462), (21, 68303), (22, 68210), (23, 68192),

Gene: Jolie1_098 Start: 70831, Stop: 70223, Start Num: 5
Candidate Starts for Jolie1_098:
(1, 70921), (2, 70912), (4, 70876), (Start: 5 @70831 has 3 MA's), (7, 70759), (8, 70750), (11, 70651), (21, 70492), (22, 70399), (23, 70381),

Gene: KayaCho_95 Start: 70610, Stop: 70008, Start Num: 5
Candidate Starts for KayaCho_95:
(2, 70691), (4, 70655), (Start: 5 @70610 has 3 MA's), (7, 70538), (11, 70430), (22, 70184), (23, 70166),

Gene: Lambano_96 Start: 70329, Stop: 69640, Start Num: 5
Candidate Starts for Lambano_96:
(Start: 3 @70389 has 2 MA's), (Start: 5 @70329 has 3 MA's), (6, 70260), (9, 70239), (10, 70137), (11, 70113), (12, 70110), (13, 70101), (14, 70089), (15, 70080), (24, 69780),

Gene: Nanao_98 Start: 70342, Stop: 69653, Start Num: 5
Candidate Starts for Nanao_98:
(Start: 3 @70402 has 2 MA's), (Start: 5 @70342 has 3 MA's), (6, 70273), (9, 70252), (10, 70150), (11, 70126), (12, 70123), (13, 70114), (14, 70102), (15, 70093), (24, 69793),

Gene: Nigel_95 Start: 69728, Stop: 68988, Start Num: 3
Candidate Starts for Nigel_95:
(Start: 3 @69728 has 2 MA's), (Start: 5 @69668 has 3 MA's), (6, 69602), (9, 69581), (11, 69455), (12, 69452), (13, 69443), (15, 69422), (23, 69155), (24, 69125), (25, 69044),

Gene: Poster_97 Start: 70343, Stop: 69654, Start Num: 5
Candidate Starts for Poster_97:
(Start: 3 @70403 has 2 MA's), (Start: 5 @70343 has 3 MA's), (6, 70274), (9, 70253), (10, 70151), (11, 70127), (12, 70124), (13, 70115), (14, 70103), (15, 70094), (24, 69794),

Gene: QueenPie_91 Start: 70092, Stop: 69403, Start Num: 5
Candidate Starts for QueenPie_91:
(Start: 3 @70152 has 2 MA's), (Start: 5 @70092 has 3 MA's), (6, 70023), (9, 70002), (10, 69900), (11, 69876), (12, 69873), (13, 69864), (14, 69852), (15, 69843), (17, 69834), (24, 69543),

Gene: Stinger_95 Start: 69465, Stop: 68722, Start Num: 3
Candidate Starts for Stinger_95:
(Start: 3 @69465 has 2 MA's), (Start: 5 @69405 has 3 MA's), (6, 69339), (9, 69318), (11, 69192), (12, 69189), (13, 69180), (15, 69159), (16, 69156), (17, 69150), (23, 68892), (24, 68862),