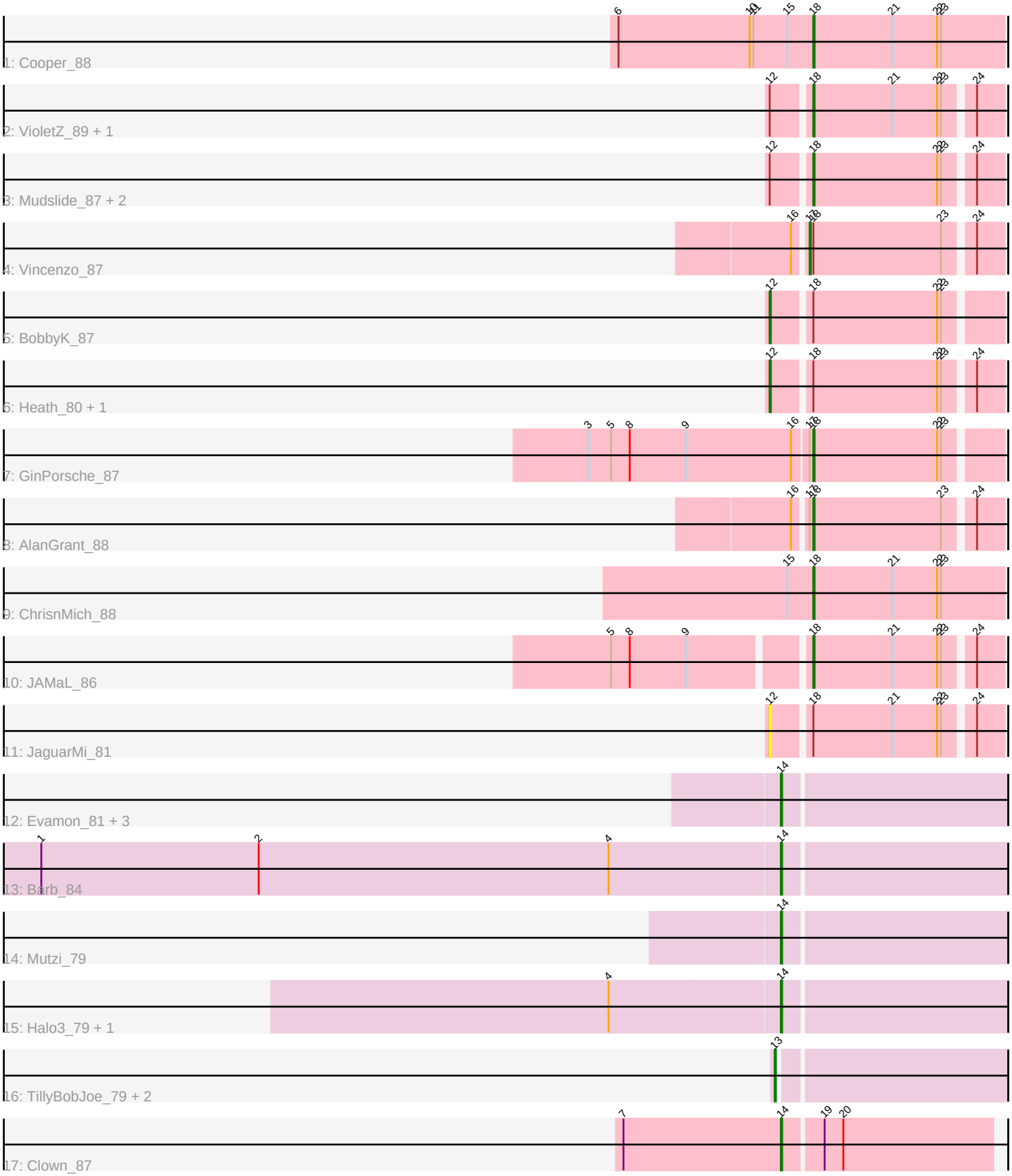
Pham 296858


1: Cooper_88
2: VioletZ_89 + 1
3: Mudslide_87 + 2
4: Vincenzo_87
5: BobbyK_87
6: Heath_80 + 1
7: GinPorsche_87
8: AlanGrant_88
9: ChrisnMich_88
10: JAMaL_86
11: JaguarMi_81
12: Evamon_81 + 3
13: Barb_84
14: Mutzi_79
15: Halo3_79 + 1
16: TillyBobJoe_79 + 2
17: Clown_87

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 296858 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296858 has 27 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Cooper_88
• Track 2 : VioletZ_89, Prince_86
• Track 3 : Mudslide_87, Frederick_88, Apex_88
• Track 4 : Vincenzo_87
• Track 5 : BobbyK_87
• Track 6 : Heath_80, Lolalove_88
• Track 7 : GinPorsche_87
• Track 8 : AlanGrant_88
• Track 9 : ChrisnMich_88
• Track 10 : JAMaL_86
• Track 11 : JaguarMi_81
• Track 12 : Evamon_81, SmokingBunny_82, Togo_81, Salvador_81
• Track 13 : Barb_84
• Track 14 : Mutzi_79
• Track 15 : Halo3_79, CoveyB_82
• Track 16 : TillyBobJoe_79, Fireball_84, Nubi_83
• Track 17 : Clown_87

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

The start number called the most often in the published annotations is 18, it was called in 10 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlanGrant_88, Apex_88, ChrisnMich_88, Cooper_88, Frederick_88, GinPorsche_87, JAMaL_86, Mudslide_87, Prince_86, VioletZ_89,

Genes that have the "Most Annotated" start but do not call it:
• BobbyK_87, Heath_80, JaguarMi_81, Lolalove_88, Vincenzo_87,

Genes that do not have the "Most Annotated" start:
• Barb_84, Clown_87, CoveyB_82, Evamon_81, Fireball_84, Halo3_79, Mutzi_79, Nubi_83, Salvador_81, SmokingBunny_82, TillyBobJoe_79, Togo_81,

Summary by start number:

Start 12:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 26
• Called 44.4% of time when present
• Phage (with cluster) where this start called: BobbyK_87 (B4), Heath_80 (B4), JaguarMi_81 (B4), Lolalove_88 (B4),

Start 13:
• Found in 3 of 27 (11.1%) of genes in pham
• Manual Annotations of this start: 3 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fireball_84 (DC1), Nubi_83 (DC1), TillyBobJoe_79 (DC1),

Start 14:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 9 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barb_84 (DC1), Clown_87 (DC2), CoveyB_82 (DC1), Evamon_81 (DC1), Halo3_79 (DC1), Mutzi_79 (DC1), Salvador_81 (DC1), SmokingBunny_82 (DC1), Togo_81 (DC1),

Start 17:
• Found in 3 of 27 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 26
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Vincenzo_87 (B4),

Start 18:
• Found in 15 of 27 (55.6%) of genes in pham
• Manual Annotations of this start: 10 of 26
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AlanGrant_88 (B4), Apex_88 (B4), ChrisnMich_88 (B4), Cooper_88 (B4), Frederick_88 (B4), GinPorsche_87 (B4), JAMaL_86 (B4), Mudslide_87 (B4), Prince_86 (B4), VioletZ_89 (B4),

Summary by clusters:

There are 3 clusters represented in this pham: B4, DC2, DC1,

Info for manual annotations of cluster B4:
•Start number 12 was manually annotated 3 times for cluster B4.
•Start number 17 was manually annotated 1 time for cluster B4.
•Start number 18 was manually annotated 10 times for cluster B4.

Info for manual annotations of cluster DC1:
•Start number 13 was manually annotated 3 times for cluster DC1.
•Start number 14 was manually annotated 8 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 14 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: AlanGrant_88 Start: 66948, Stop: 66805, Start Num: 18
Candidate Starts for AlanGrant_88:
(16, 66960), (Start: 17 @66951 has 1 MA's), (Start: 18 @66948 has 10 MA's), (23, 66846), (24, 66825),

Gene: Apex_88 Start: 66270, Stop: 66127, Start Num: 18
Candidate Starts for Apex_88:
(Start: 12 @66297 has 3 MA's), (Start: 18 @66270 has 10 MA's), (22, 66171), (23, 66168), (24, 66147),

Gene: Barb_84 Start: 53980, Stop: 54156, Start Num: 14
Candidate Starts for Barb_84:
(1, 53392), (2, 53566), (4, 53845), (Start: 14 @53980 has 9 MA's),

Gene: BobbyK_87 Start: 65805, Stop: 65635, Start Num: 12
Candidate Starts for BobbyK_87:
(Start: 12 @65805 has 3 MA's), (Start: 18 @65778 has 10 MA's), (22, 65679), (23, 65676),

Gene: ChrisnMich_88 Start: 65061, Stop: 64909, Start Num: 18
Candidate Starts for ChrisnMich_88:
(15, 65082), (Start: 18 @65061 has 10 MA's), (21, 64998), (22, 64962), (23, 64959),

Gene: Clown_87 Start: 55358, Stop: 55522, Start Num: 14
Candidate Starts for Clown_87:
(7, 55235), (Start: 14 @55358 has 9 MA's), (19, 55388), (20, 55403),

Gene: Cooper_88 Start: 65574, Stop: 65422, Start Num: 18
Candidate Starts for Cooper_88:
(6, 65730), (10, 65625), (11, 65622), (15, 65595), (Start: 18 @65574 has 10 MA's), (21, 65511), (22, 65475), (23, 65472),

Gene: CoveyB_82 Start: 53467, Stop: 53643, Start Num: 14
Candidate Starts for CoveyB_82:
(4, 53332), (Start: 14 @53467 has 9 MA's),

Gene: Evamon_81 Start: 53374, Stop: 53550, Start Num: 14
Candidate Starts for Evamon_81:
(Start: 14 @53374 has 9 MA's),

Gene: Fireball_84 Start: 53836, Stop: 54012, Start Num: 13
Candidate Starts for Fireball_84:
(Start: 13 @53836 has 3 MA's),

Gene: Frederick_88 Start: 66084, Stop: 65941, Start Num: 18
Candidate Starts for Frederick_88:
(Start: 12 @66111 has 3 MA's), (Start: 18 @66084 has 10 MA's), (22, 65985), (23, 65982), (24, 65961),

Gene: GinPorsche_87 Start: 65104, Stop: 64961, Start Num: 18
Candidate Starts for GinPorsche_87:

(3, 65281), (5, 65263), (8, 65248), (9, 65203), (16, 65119), (Start: 17 @65107 has 1 MA's), (Start: 18 @65104 has 10 MA's), (22, 65005), (23, 65002),

Gene: Halo3_79 Start: 53805, Stop: 53981, Start Num: 14
Candidate Starts for Halo3_79:
(4, 53670), (Start: 14 @53805 has 9 MA's),

Gene: Heath_80 Start: 64111, Stop: 63941, Start Num: 12
Candidate Starts for Heath_80:
(Start: 12 @64111 has 3 MA's), (Start: 18 @64084 has 10 MA's), (22, 63985), (23, 63982), (24, 63961),

Gene: JAMaL_86 Start: 65643, Stop: 65500, Start Num: 18
Candidate Starts for JAMaL_86:
(5, 65790), (8, 65775), (9, 65730), (Start: 18 @65643 has 10 MA's), (21, 65580), (22, 65544), (23, 65541), (24, 65520),

Gene: JaguarMi_81 Start: 66176, Stop: 66006, Start Num: 12
Candidate Starts for JaguarMi_81:
(Start: 12 @66176 has 3 MA's), (Start: 18 @66149 has 10 MA's), (21, 66086), (22, 66050), (23, 66047), (24, 66026),

Gene: Lolalove_88 Start: 66142, Stop: 65972, Start Num: 12
Candidate Starts for Lolalove_88:
(Start: 12 @66142 has 3 MA's), (Start: 18 @66115 has 10 MA's), (22, 66016), (23, 66013), (24, 65992),

Gene: Mudslide_87 Start: 66345, Stop: 66202, Start Num: 18
Candidate Starts for Mudslide_87:
(Start: 12 @66372 has 3 MA's), (Start: 18 @66345 has 10 MA's), (22, 66246), (23, 66243), (24, 66222),

Gene: Mutzi_79 Start: 53940, Stop: 54116, Start Num: 14
Candidate Starts for Mutzi_79:
(Start: 14 @53940 has 9 MA's),

Gene: Nubi_83 Start: 53251, Stop: 53427, Start Num: 13
Candidate Starts for Nubi_83:
(Start: 13 @53251 has 3 MA's),

Gene: Prince_86 Start: 66212, Stop: 66069, Start Num: 18
Candidate Starts for Prince_86:
(Start: 12 @66239 has 3 MA's), (Start: 18 @66212 has 10 MA's), (21, 66149), (22, 66113), (23, 66110), (24, 66089),

Gene: Salvador_81 Start: 53372, Stop: 53548, Start Num: 14
Candidate Starts for Salvador_81:
(Start: 14 @53372 has 9 MA's),

Gene: SmokingBunny_82 Start: 54368, Stop: 54544, Start Num: 14
Candidate Starts for SmokingBunny_82:
(Start: 14 @54368 has 9 MA's),

Gene: TillyBobJoe_79 Start: 53254, Stop: 53430, Start Num: 13
Candidate Starts for TillyBobJoe_79:
(Start: 13 @53254 has 3 MA's),

Gene: Togo_81 Start: 54368, Stop: 54544, Start Num: 14
Candidate Starts for Togo_81:
(Start: 14 @54368 has 9 MA's),

Gene: Vincenzo_87 Start: 66981, Stop: 66835, Start Num: 17
Candidate Starts for Vincenzo_87:
(16, 66990), (Start: 17 @66981 has 1 MA's), (Start: 18 @66978 has 10 MA's), (23, 66876), (24, 66855),

Gene: VioletZ_89 Start: 66302, Stop: 66159, Start Num: 18
Candidate Starts for VioletZ_89:
(Start: 12 @66329 has 3 MA's), (Start: 18 @66302 has 10 MA's), (21, 66239), (22, 66203), (23, 66200), (24, 66179),