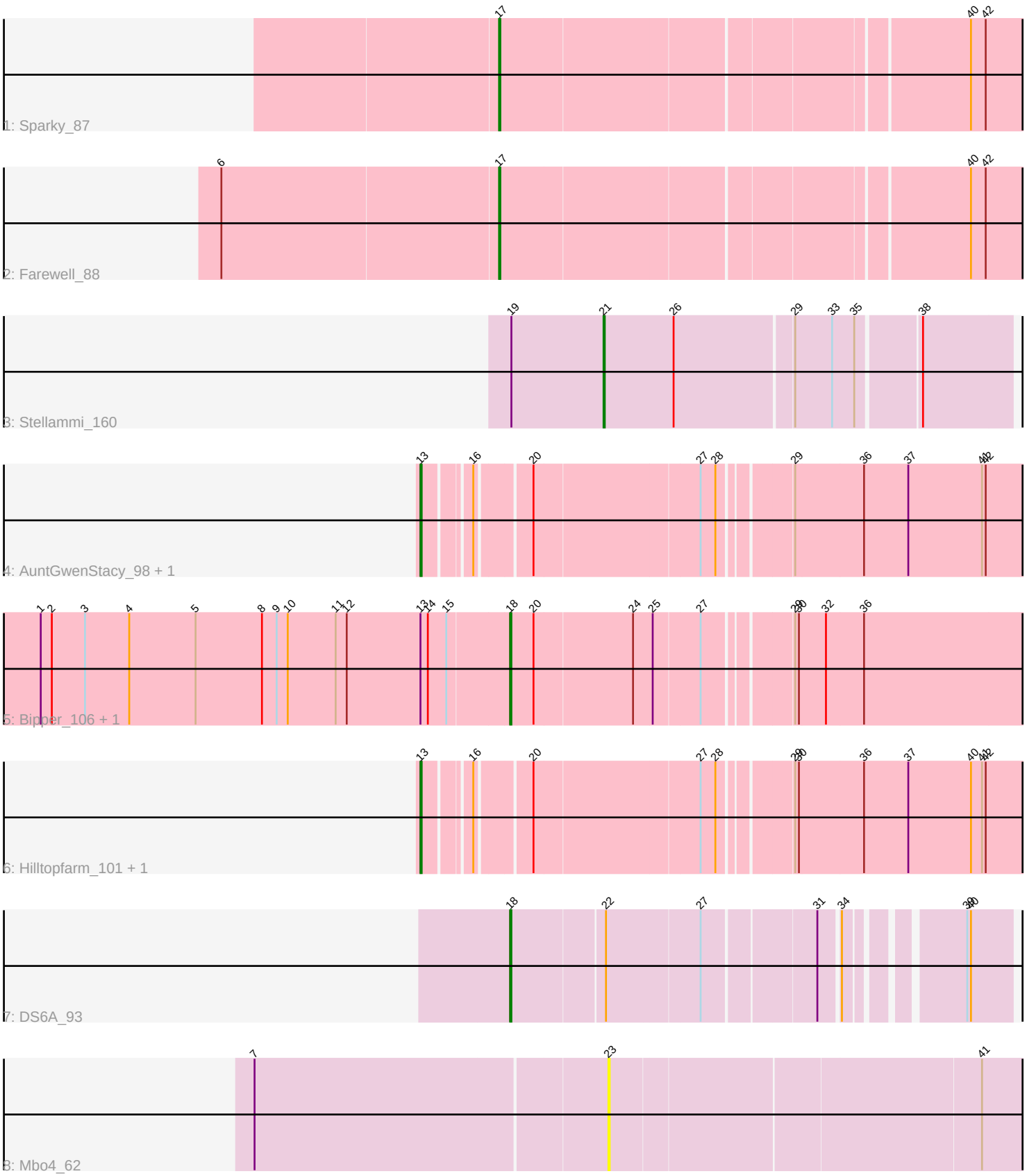
Pham 344599


1: Sparky_87
2: Farewell_88
3: Stellammi_160
4: AuntGwenStacy_98 + 1
5: Bipper_106 + 1
6: Hilltopfarm_101 + 1
7: DS6A_93
8: Mbo4_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 344599 Report

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

Pham number 344599 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sparky_87
• Track 2 : Farewell_88
• Track 3 : Stellammi_160
• Track 4 : AuntGwenStacy_98, Typha_97
• Track 5 : Bipper_106, Cracklewink_106
• Track 6 : Hilltopfarm_101, Faiyaz_99
• Track 7 : DS6A_93
• Track 8 : Mbo4_62

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AuntGwenStacy_98, Faiyaz_99, Hilltopfarm_101, Typha_97,

Genes that have the "Most Annotated" start but do not call it:
• Bipper_106, Cracklewink_106,

Genes that do not have the "Most Annotated" start:
• DS6A_93, Farewell_88, Mbo4_62, Sparky_87, Stellammi_160,

Summary by start number:

Start 13:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_98 (Y), Faiyaz_99 (Y), Hilltopfarm_101 (Y), Typha_97 (Y),

Start 17:
• Found in 2 of 11 (18.2%) of genes in pham

• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_88 (AF), Sparky_87 (AF),

Start 18:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bipper_106 (Y), Cracklewink_106 (Y), DS6A_93 (singleton),

Start 21:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_160 (UNK),

Start 23:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mbo4_62 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: Y, singleton, UNK, AF,

Info for manual annotations of cluster AF:
•Start number 17 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster UNK:
•Start number 21 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster Y:
•Start number 13 was manually annotated 4 times for cluster Y.
•Start number 18 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_98 Start: 61359, Stop: 61817, Start Num: 13
Candidate Starts for AuntGwenStacy_98:
(Start: 13 @61359 has 4 MA's), (16, 61392), (20, 61431), (27, 61560), (28, 61572), (29, 61623), (36, 61677), (37, 61713), (41, 61773), (42, 61776),

Gene: Bipper_106 Start: 64925, Stop: 65332, Start Num: 18
Candidate Starts for Bipper_106:
(1, 64547), (2, 64556), (3, 64583), (4, 64619), (5, 64673), (8, 64727), (9, 64739), (10, 64748), (11, 64787), (12, 64796), (Start: 13 @64856 has 4 MA's), (14, 64862), (15, 64877), (Start: 18 @64925 has 3 MA's), (20, 64943), (24, 65021), (25, 65036), (27, 65072), (29, 65135), (30, 65138), (32, 65159), (36, 65189),

Gene: Cracklewink_106 Start: 64160, Stop: 64567, Start Num: 18
Candidate Starts for Cracklewink_106:
(1, 63782), (2, 63791), (3, 63818), (4, 63854), (5, 63908), (8, 63962), (9, 63974), (10, 63983), (11, 64022), (12, 64031), (Start: 13 @64091 has 4 MA's), (14, 64097), (15, 64112), (Start: 18 @64160 has 3 MA's), (20, 64178), (24, 64256), (25, 64271), (27, 64307), (29, 64370), (30, 64373), (32, 64394), (36, 64424),

Gene: DS6A_93 Start: 58451, Stop: 58804, Start Num: 18
Candidate Starts for DS6A_93:
(Start: 18 @58451 has 3 MA's), (22, 58520), (27, 58592), (31, 58676), (34, 58691), (39, 58769), (40, 58772),

Gene: Faiyaz_99 Start: 61374, Stop: 61832, Start Num: 13
Candidate Starts for Faiyaz_99:
(Start: 13 @61374 has 4 MA's), (16, 61407), (20, 61446), (27, 61575), (28, 61587), (29, 61638), (30, 61641), (36, 61692), (37, 61728), (40, 61779), (41, 61788), (42, 61791),

Gene: Farewell_88 Start: 57490, Stop: 57903, Start Num: 17
Candidate Starts for Farewell_88:
(6, 57268), (Start: 17 @57490 has 2 MA's), (40, 57847), (42, 57859),

Gene: Hilltopfarm_101 Start: 62197, Stop: 62655, Start Num: 13
Candidate Starts for Hilltopfarm_101:
(Start: 13 @62197 has 4 MA's), (16, 62230), (20, 62269), (27, 62398), (28, 62410), (29, 62461), (30, 62464), (36, 62515), (37, 62551), (40, 62602), (41, 62611), (42, 62614),

Gene: Mbo4_62 Start: 43896, Stop: 44240, Start Num: 23
Candidate Starts for Mbo4_62:
(7, 43617), (23, 43896), (41, 44187),

Gene: Sparky_87 Start: 59084, Stop: 59497, Start Num: 17
Candidate Starts for Sparky_87:
(Start: 17 @59084 has 2 MA's), (40, 59441), (42, 59453),

Gene: Stellammi_160 Start: 73340, Stop: 73657, Start Num: 21
Candidate Starts for Stellammi_160:
(19, 73265), (Start: 21 @73340 has 1 MA's), (26, 73397), (29, 73490), (33, 73520), (35, 73538), (38, 73586),

Gene: Typha_97 Start: 61360, Stop: 61818, Start Num: 13
Candidate Starts for Typha_97:
(Start: 13 @61360 has 4 MA's), (16, 61393), (20, 61432), (27, 61561), (28, 61573), (29, 61624), (36, 61678), (37, 61714), (41, 61774), (42, 61777),