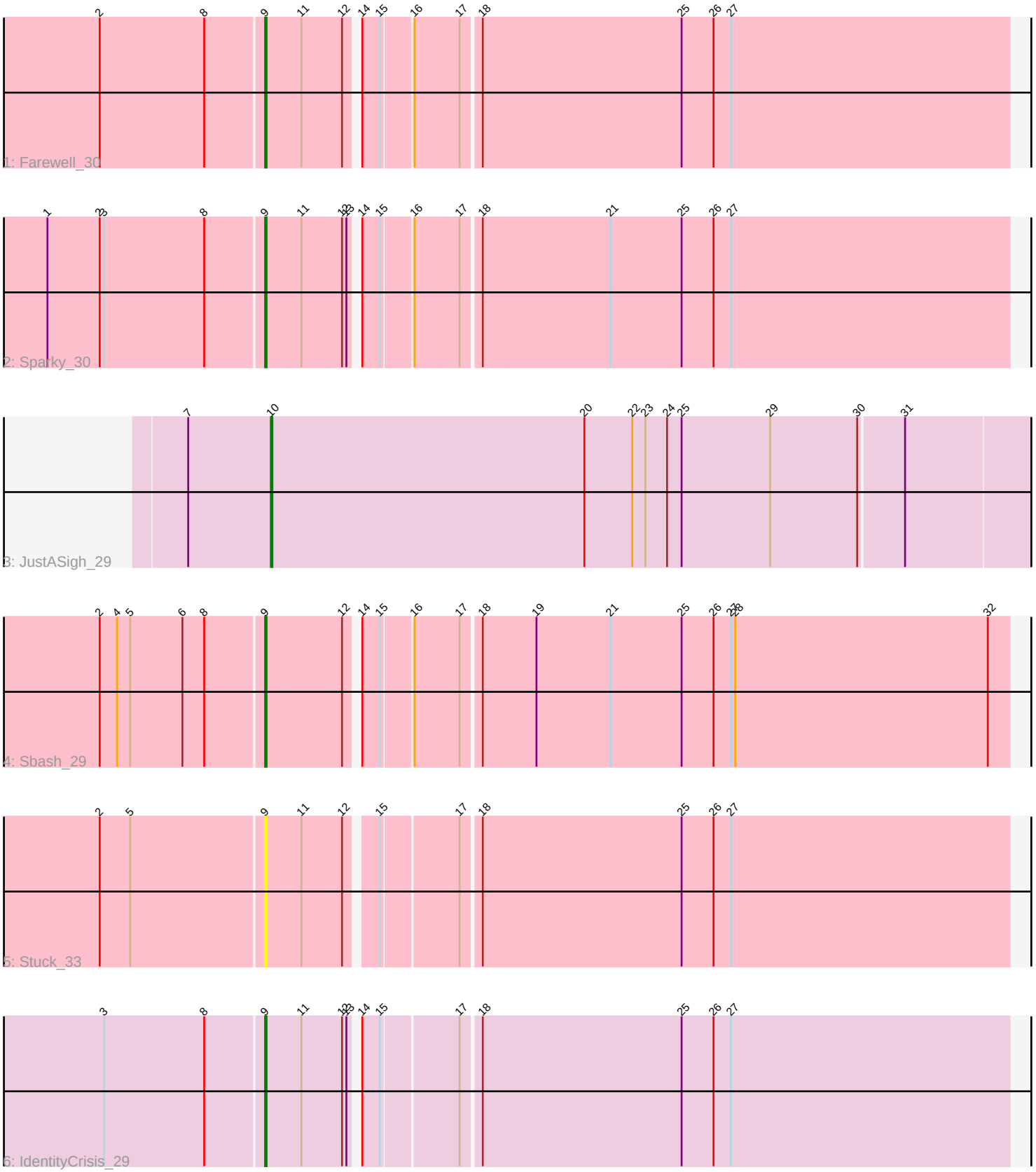
Pham 220517


1: Farewell_30
2: Sparky_30
3: JustASigh_29
4: Sbash_29
5: Stuck_33
6: IdentityCrisis_29

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 220517 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220517 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Farewell_30
• Track 2 : Sparky_30
• Track 3 : JustASigh_29
• Track 4 : Sbash_29
• Track 5 : Stuck_33
• Track 6 : IdentityCrisis_29

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Farewell_30, IdentityCrisis_29, Sbash_29, Sparky_30, Stuck_33,

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

Genes that do not have the "Most Annotated" start:
• JustASigh_29,

Summary by start number:

Start 9:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_30 (AF), IdentityCrisis_29 (singleton), Sbash_29 (I2), Sparky_30 (AF), Stuck_33 (I2),

Start 10:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: JustASigh_29 (AH),

Summary by clusters:

There are 4 clusters represented in this pham: AH, singleton, I2, AF,

Info for manual annotations of cluster AF:
•Start number 9 was manually annotated 2 times for cluster AF.

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

Info for manual annotations of cluster I2:
•Start number 9 was manually annotated 1 time for cluster I2.

Gene Information:

Gene: Farewell_30 Start: 27478, Stop: 27966, Start Num: 9
Candidate Starts for Farewell_30:
(2, 27367), (8, 27439), (Start: 9 @27478 has 4 MA's), (11, 27502), (12, 27529), (14, 27535), (15, 27547), (16, 27565), (17, 27595), (18, 27607), (25, 27742), (26, 27763), (27, 27775),

Gene: IdentityCrisis_29 Start: 23867, Stop: 24355, Start Num: 9
Candidate Starts for IdentityCrisis_29:
(3, 23759), (8, 23828), (Start: 9 @23867 has 4 MA's), (11, 23891), (12, 23918), (13, 23921), (14, 23924), (15, 23936), (17, 23984), (18, 23996), (25, 24131), (26, 24152), (27, 24164),

Gene: JustASigh_29 Start: 27967, Stop: 28506, Start Num: 10
Candidate Starts for JustASigh_29:
(7, 27910), (Start: 10 @27967 has 1 MA's), (20, 28183), (22, 28216), (23, 28225), (24, 28240), (25, 28249), (29, 28309), (30, 28369), (31, 28399),

Gene: Sbash_29 Start: 26224, Stop: 26712, Start Num: 9
Candidate Starts for Sbash_29:
(2, 26113), (4, 26125), (5, 26134), (6, 26170), (8, 26185), (Start: 9 @26224 has 4 MA's), (12, 26275), (14, 26281), (15, 26293), (16, 26311), (17, 26341), (18, 26353), (19, 26389), (21, 26440), (25, 26488), (26, 26509), (27, 26521), (28, 26524), (32, 26698),

Gene: Sparky_30 Start: 27513, Stop: 28001, Start Num: 9
Candidate Starts for Sparky_30:
(1, 27366), (2, 27402), (3, 27405), (8, 27474), (Start: 9 @27513 has 4 MA's), (11, 27537), (12, 27564), (13, 27567), (14, 27570), (15, 27582), (16, 27600), (17, 27630), (18, 27642), (21, 27729), (25, 27777), (26, 27798), (27, 27810),

Gene: Stuck_33 Start: 26569, Stop: 27057, Start Num: 9
Candidate Starts for Stuck_33:
(2, 26458), (5, 26479), (Start: 9 @26569 has 4 MA's), (11, 26593), (12, 26620), (15, 26638), (17, 26686), (18, 26698), (25, 26833), (26, 26854), (27, 26866),