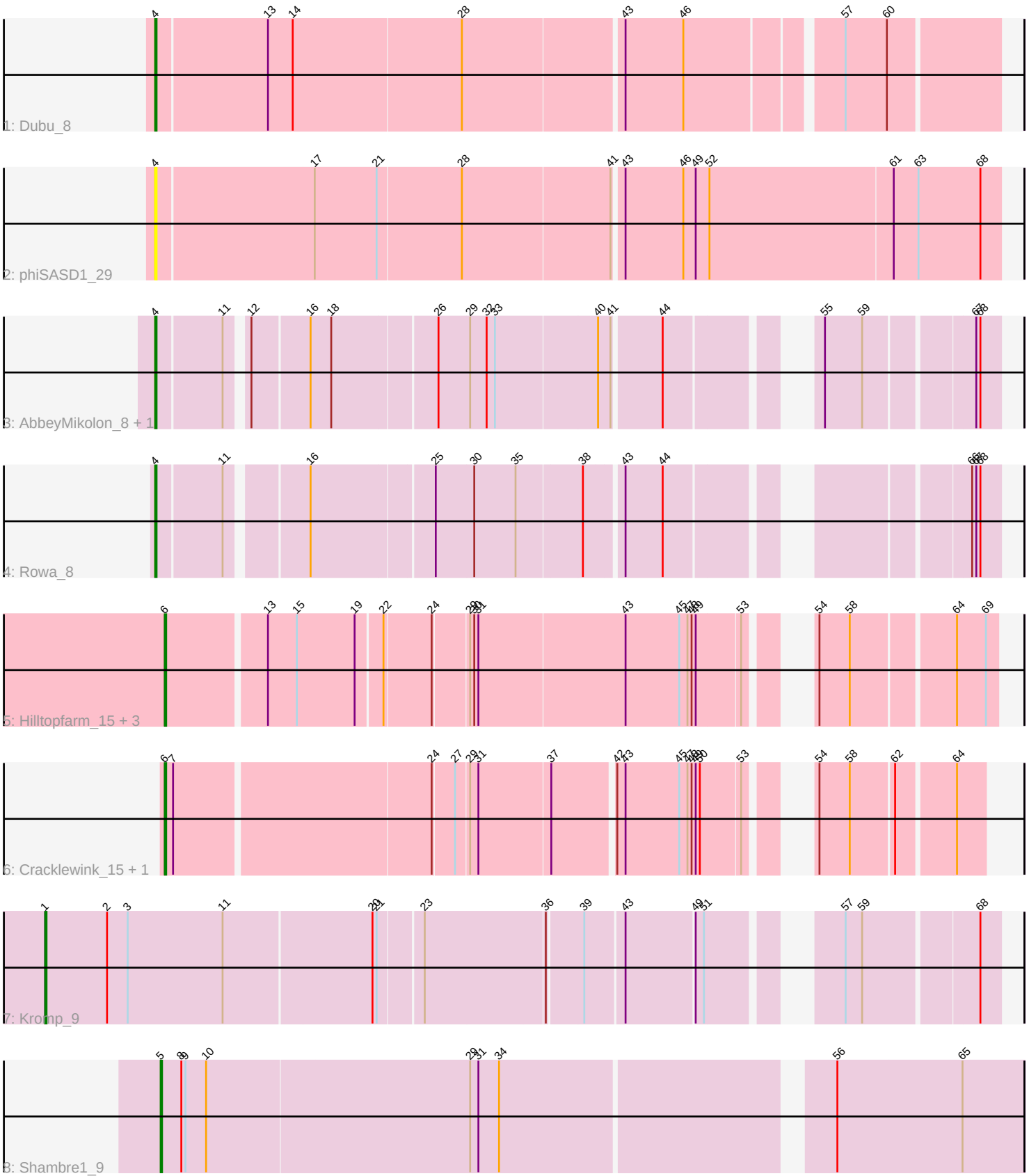
Pham 284319


1: Dubu_8
2: phiSASD1_29
3: AbbeyMikolon_8 + 1
4: Rowa_8
5: Hilltopfarm_15 + 3
6: Cracklewink_15 + 1
7: Kromp_9
8: Shambre1_9

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 284319 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284319 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dubu_8
• Track 2 : phiSASD1_29
• Track 3 : AbbeyMikolon_8, Nesbitt_8
• Track 4 : Rowa_8
• Track 5 : Hilltopfarm_15, Faiyaz_15, Typha_15, AuntGwenStacy_15
• Track 6 : Cracklewink_15, Bipper_15
• Track 7 : Kromp_9
• Track 8 : Shambre1_9

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AuntGwenStacy_15, Bipper_15, Cracklewink_15, Faiyaz_15, Hilltopfarm_15, Typha_15,

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

Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_8, Dubu_8, Kromp_9, Nesbitt_8, Rowa_8, Shambre1_9, phiSASD1_29,

Summary by start number:

Start 1:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kromp_9 (singleton),

Start 4:

• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_8 (BL), Dubu_8 (BJ), Nesbitt_8 (BL), Rowa_8 (BL), phiSASD1_29 (BJ),

Start 5:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_9 (singleton),

Start 6:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_15 (Y), Bipper_15 (Y), Cracklewink_15 (Y), Faiyaz_15 (Y), Hilltopfarm_15 (Y), Typha_15 (Y),

Summary by clusters:

There are 4 clusters represented in this pham: BL, Y, singleton, BJ,

Info for manual annotations of cluster BJ:
•Start number 4 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:
•Start number 4 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster Y:
•Start number 6 was manually annotated 5 times for cluster Y.

Gene Information:

Gene: AbbeyMikolon_8 Start: 6661, Stop: 7194, Start Num: 4
Candidate Starts for AbbeyMikolon_8:
(Start: 4 @6661 has 4 MA's), (11, 6706), (12, 6718), (16, 6757), (18, 6772), (26, 6844), (29, 6865), (32, 6877), (33, 6883), (40, 6955), (41, 6964), (44, 6997), (55, 7078), (59, 7105), (67, 7177), (68, 7180),

Gene: AuntGwenStacy_15 Start: 10833, Stop: 11375, Start Num: 6
Candidate Starts for AuntGwenStacy_15:
(Start: 6 @10833 has 5 MA's), (13, 10902), (15, 10923), (19, 10965), (22, 10983), (24, 11016), (29, 11040), (30, 11043), (31, 11046), (43, 11151), (45, 11190), (47, 11196), (48, 11199), (49, 11202), (53, 11232), (54, 11256), (58, 11277), (64, 11346), (69, 11367),

Gene: Bipper_15 Start: 10931, Stop: 11461, Start Num: 6
Candidate Starts for Bipper_15:
(Start: 6 @10931 has 5 MA's), (7, 10937), (24, 11117), (27, 11132), (29, 11141), (31, 11147), (37, 11198), (42, 11240), (43, 11246), (45, 11285), (47, 11291), (48, 11294), (49, 11297), (50, 11300), (53, 11327), (54, 11351), (58, 11372), (62, 11402), (64, 11441),

Gene: Cracklewink_15 Start: 10931, Stop: 11461, Start Num: 6
Candidate Starts for Cracklewink_15:
(Start: 6 @10931 has 5 MA's), (7, 10937), (24, 11117), (27, 11132), (29, 11141), (31, 11147), (37, 11198), (42, 11240), (43, 11246), (45, 11285), (47, 11291), (48, 11294), (49, 11297), (50, 11300), (53, 11327), (54, 11351), (58, 11372), (62, 11402), (64, 11441),

Gene: Dubu_8 Start: 6313, Stop: 6891, Start Num: 4
Candidate Starts for Dubu_8:
(Start: 4 @6313 has 4 MA's), (13, 6391), (14, 6409), (28, 6529), (43, 6640), (46, 6682), (57, 6784), (60, 6814),

Gene: Faiyaz_15 Start: 10833, Stop: 11375, Start Num: 6
Candidate Starts for Faiyaz_15:
(Start: 6 @10833 has 5 MA's), (13, 10902), (15, 10923), (19, 10965), (22, 10983), (24, 11016), (29, 11040), (30, 11043), (31, 11046), (43, 11151), (45, 11190), (47, 11196), (48, 11199), (49, 11202), (53, 11232), (54, 11256), (58, 11277), (64, 11346), (69, 11367),

Gene: Hilltopfarm_15 Start: 10863, Stop: 11405, Start Num: 6
Candidate Starts for Hilltopfarm_15:
(Start: 6 @10863 has 5 MA's), (13, 10932), (15, 10953), (19, 10995), (22, 11013), (24, 11046), (29, 11070), (30, 11073), (31, 11076), (43, 11181), (45, 11220), (47, 11226), (48, 11229), (49, 11232), (53, 11262), (54, 11286), (58, 11307), (64, 11376), (69, 11397),

Gene: Kromp_9 Start: 7708, Stop: 8337, Start Num: 1
Candidate Starts for Kromp_9:
(Start: 1 @7708 has 1 MA's), (2, 7753), (3, 7768), (11, 7837), (20, 7942), (21, 7945), (23, 7975), (36, 8059), (39, 8083), (43, 8110), (49, 8158), (51, 8164), (57, 8233), (59, 8245), (68, 8323),

Gene: Nesbitt_8 Start: 6733, Stop: 7266, Start Num: 4
Candidate Starts for Nesbitt_8:
(Start: 4 @6733 has 4 MA's), (11, 6778), (12, 6790), (16, 6829), (18, 6844), (26, 6916), (29, 6937), (32, 6949), (33, 6955), (40, 7027), (41, 7036), (44, 7069), (55, 7150), (59, 7177), (67, 7249), (68, 7252),

Gene: Rowa_8 Start: 6493, Stop: 7023, Start Num: 4
Candidate Starts for Rowa_8:
(Start: 4 @6493 has 4 MA's), (11, 6538), (16, 6589), (25, 6673), (30, 6700), (35, 6730), (38, 6775), (43, 6799), (44, 6826), (66, 7003), (67, 7006), (68, 7009),

Gene: Shambre1_9 Start: 7586, Stop: 8185, Start Num: 5
Candidate Starts for Shambre1_9:
(Start: 5 @7586 has 1 MA's), (8, 7601), (9, 7604), (10, 7619), (29, 7808), (31, 7814), (34, 7829), (56, 8051), (65, 8141),

Gene: Typha_15 Start: 10833, Stop: 11375, Start Num: 6
Candidate Starts for Typha_15:
(Start: 6 @10833 has 5 MA's), (13, 10902), (15, 10923), (19, 10965), (22, 10983), (24, 11016), (29, 11040), (30, 11043), (31, 11046), (43, 11151), (45, 11190), (47, 11196), (48, 11199), (49, 11202), (53, 11232), (54, 11256), (58, 11277), (64, 11346), (69, 11367),

Gene: phiSASD1_29 Start: 6506, Stop: 7102, Start Num: 4
Candidate Starts for phiSASD1_29:
(Start: 4 @6506 has 4 MA's), (17, 6617), (21, 6662), (28, 6722), (41, 6827), (43, 6833), (46, 6875), (49, 6884), (52, 6893), (61, 7025), (63, 7043), (68, 7088),