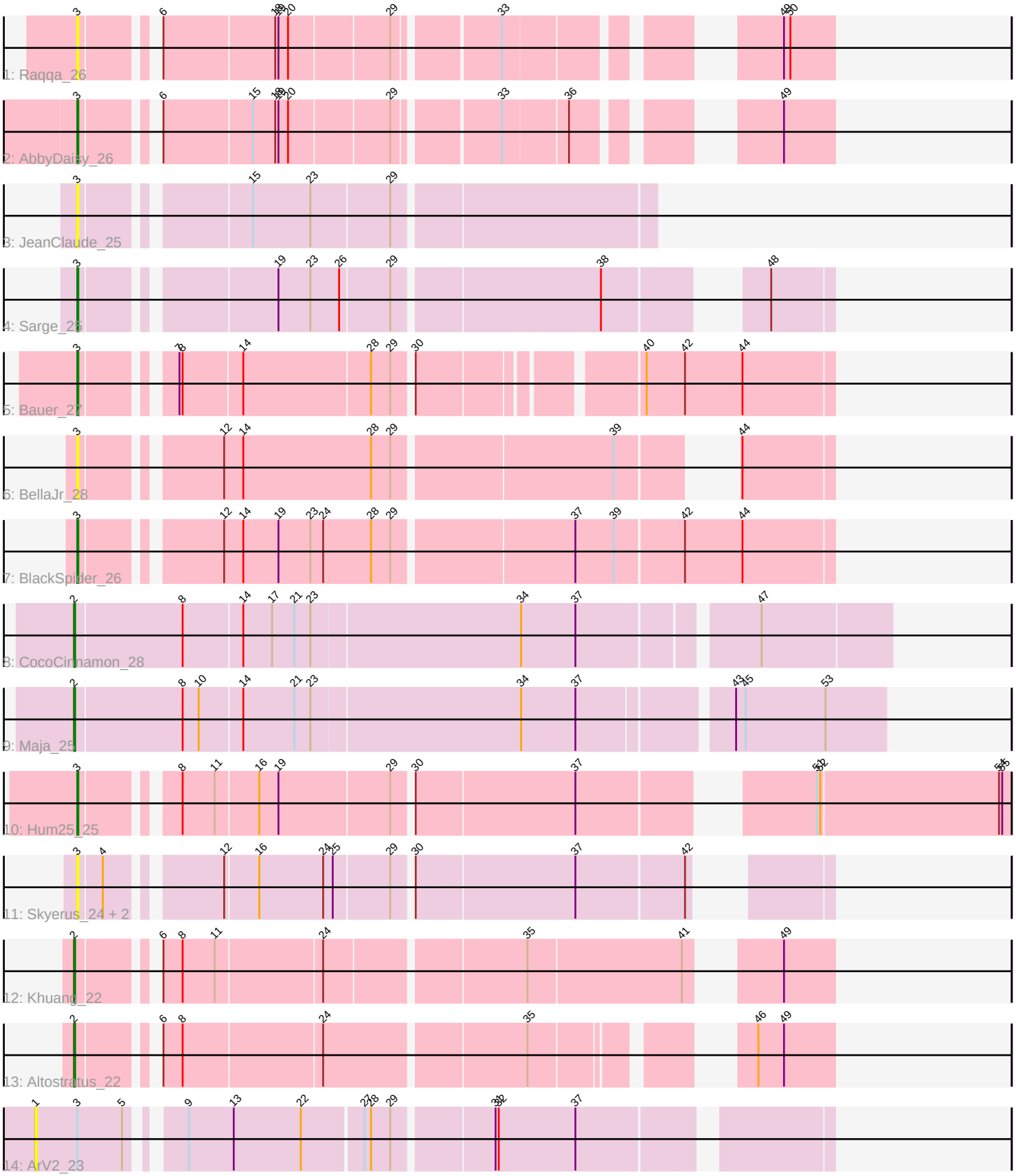
Pham 344513


1: Raqqa_26
2: AbbyDaisy_26
3: JeanClaude_25
4: Sarge_26
5: Bauer_27
6: BellaJr_28
7: BlackSpider_26
8: CocoCinnamon_28
9: Maja_25
10: Hum25_25
11: Skyerus_24 + 2
12: Khuang_22
13: Altostratus_22
14: ArV2_23

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 344513 Report

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

Pham number 344513 has 16 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Raqqa_26
• Track 2 : AbbyDaisy_26
• Track 3 : JeanClaude_25
• Track 4 : Sarge_25
• Track 5 : Bauer_27
• Track 6 : BellaJr_28
• Track 7 : BlackSpider_26
• Track 8 : CocoCinnamon_28
• Track 9 : Maja_25
• Track 10 : Hum25_25
• Track 11 : Skyerus_24, Raya_24, Neroxid_24
• Track 12 : Khuang_22
• Track 13 : Altostratus_22
• Track 14 : ArV2_23

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_26, Bauer_27, BellaJr_28, BlackSpider_26, Hum25_25, JeanClaude_25, Neroxid_24, Raqqa_26, Raya_24, Sarge_25, Skyerus_24,

Genes that have the "Most Annotated" start but do not call it:
• ArV2_23,

Genes that do not have the "Most Annotated" start:
• Altostratus_22, CocoCinnamon_28, Khuang_22, Maja_25,

Summary by start number:

Start 1:
• Found in 1 of 16 (6.2%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV2_23 (singleton),

Start 2:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_22 (FS), CocoCinnamon_28 (FO), Khuang_22 (FS), Maja_25 (FO),

Start 3:
• Found in 12 of 16 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 91.7% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_26 (AY), Bauer_27 (FN), BellaJr_28 (FN), BlackSpider_26 (FN), Hum25_25 (FQ1), JeanClaude_25 (FB), Neroxid_24 (FQ2), Raqqa_26 (AY), Raya_24 (FQ2), Sarge_25 (FB), Skyerus_24 (FQ2),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, FS, FQ2, FB, AY, FQ1, FN, FO,

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FB:
•Start number 3 was manually annotated 1 time for cluster FB.

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

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

Info for manual annotations of cluster FQ1:
•Start number 3 was manually annotated 1 time for cluster FQ1.

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

Gene Information:

Gene: AbbyDaisy_26 Start: 19872, Stop: 20456, Start Num: 3
Candidate Starts for AbbyDaisy_26:
(Start: 3 @19872 has 5 MA's), (6, 19926), (15, 20007), (18, 20028), (19, 20031), (20, 20040), (29, 20130), (33, 20217), (36, 20274), (49, 20409),

Gene: Altostratus_22 Start: 17919, Stop: 18521, Start Num: 2
Candidate Starts for Altostratus_22:
(Start: 2 @17919 has 4 MA's), (6, 17976), (8, 17994), (24, 18120), (35, 18300), (46, 18450), (49, 18474),

Gene: ArV2_23 Start: 18080, Stop: 18754, Start Num: 1
Candidate Starts for ArV2_23:
(1, 18080), (Start: 3 @18119 has 5 MA's), (5, 18161), (9, 18197), (13, 18239), (22, 18302), (27, 18356), (28, 18362), (29, 18380), (31, 18467), (32, 18470), (37, 18542),

Gene: Bauer_27 Start: 20577, Stop: 21209, Start Num: 3
Candidate Starts for Bauer_27:
(Start: 3 @20577 has 5 MA's), (7, 20646), (8, 20649), (14, 20703), (28, 20820), (29, 20838), (30, 20853), (40, 21036), (42, 21072), (44, 21126),

Gene: BellaJr_28 Start: 21576, Stop: 22187, Start Num: 3
Candidate Starts for BellaJr_28:
(Start: 3 @21576 has 5 MA's), (12, 21687), (14, 21705), (28, 21825), (29, 21843), (39, 22041), (44, 22104),

Gene: BlackSpider_26 Start: 20434, Stop: 21099, Start Num: 3
Candidate Starts for BlackSpider_26:
(Start: 3 @20434 has 5 MA's), (12, 20545), (14, 20563), (19, 20596), (23, 20626), (24, 20638), (28, 20683), (29, 20701), (37, 20863), (39, 20899), (42, 20962), (44, 21016),

Gene: CocoCinnamon_28 Start: 20280, Stop: 21011, Start Num: 2
Candidate Starts for CocoCinnamon_28:
(Start: 2 @20280 has 4 MA's), (8, 20379), (14, 20433), (17, 20460), (21, 20481), (23, 20496), (34, 20688), (37, 20739), (47, 20892),

Gene: Hum25_25 Start: 18076, Stop: 18852, Start Num: 3
Candidate Starts for Hum25_25:
(Start: 3 @18076 has 5 MA's), (8, 18148), (11, 18178), (16, 18217), (19, 18235), (29, 18337), (30, 18352), (37, 18499), (51, 18673), (52, 18676), (54, 18841), (55, 18844),

Gene: JeanClaude_25 Start: 18734, Stop: 19228, Start Num: 3
Candidate Starts for JeanClaude_25:
(Start: 3 @18734 has 5 MA's), (15, 18869), (23, 18923), (29, 18995),

Gene: Khuang_22 Start: 17994, Stop: 18614, Start Num: 2
Candidate Starts for Khuang_22:
(Start: 2 @17994 has 4 MA's), (6, 18051), (8, 18069), (11, 18099), (24, 18195), (35, 18372), (41, 18513), (49, 18567),

Gene: Maja_25 Start: 19125, Stop: 19856, Start Num: 2
Candidate Starts for Maja_25:
(Start: 2 @19125 has 4 MA's), (8, 19224), (10, 19239), (14, 19278), (21, 19326), (23, 19341), (34, 19533), (37, 19584), (43, 19716), (45, 19725), (53, 19800),

Gene: Neroxid_24 Start: 17580, Stop: 18185, Start Num: 3
Candidate Starts for Neroxid_24:
(Start: 3 @17580 has 5 MA's), (4, 17601), (12, 17691), (16, 17721), (24, 17781), (25, 17790), (29, 17841), (30, 17856), (37, 18003), (42, 18102),

Gene: Raqqa_26 Start: 20163, Stop: 20747, Start Num: 3
Candidate Starts for Raqqa_26:
(Start: 3 @20163 has 5 MA's), (6, 20217), (18, 20319), (19, 20322), (20, 20331), (29, 20421), (33, 20508), (49, 20700), (50, 20706),

Gene: Raya_24 Start: 17580, Stop: 18185, Start Num: 3
Candidate Starts for Raya_24:
(Start: 3 @17580 has 5 MA's), (4, 17601), (12, 17691), (16, 17721), (24, 17781), (25, 17790), (29, 17841), (30, 17856), (37, 18003), (42, 18102),

Gene: Sarge_25 Start: 18543, Stop: 19154, Start Num: 3
Candidate Starts for Sarge_25:
(Start: 3 @18543 has 5 MA's), (19, 18702), (23, 18732), (26, 18759), (29, 18804), (38, 18990), (48, 19098),

Gene: Skyerus_24 Start: 17580, Stop: 18185, Start Num: 3
Candidate Starts for Skyerus_24:
(Start: 3 @17580 has 5 MA's), (4, 17601), (12, 17691), (16, 17721), (24, 17781), (25, 17790), (29, 17841), (30, 17856), (37, 18003), (42, 18102),