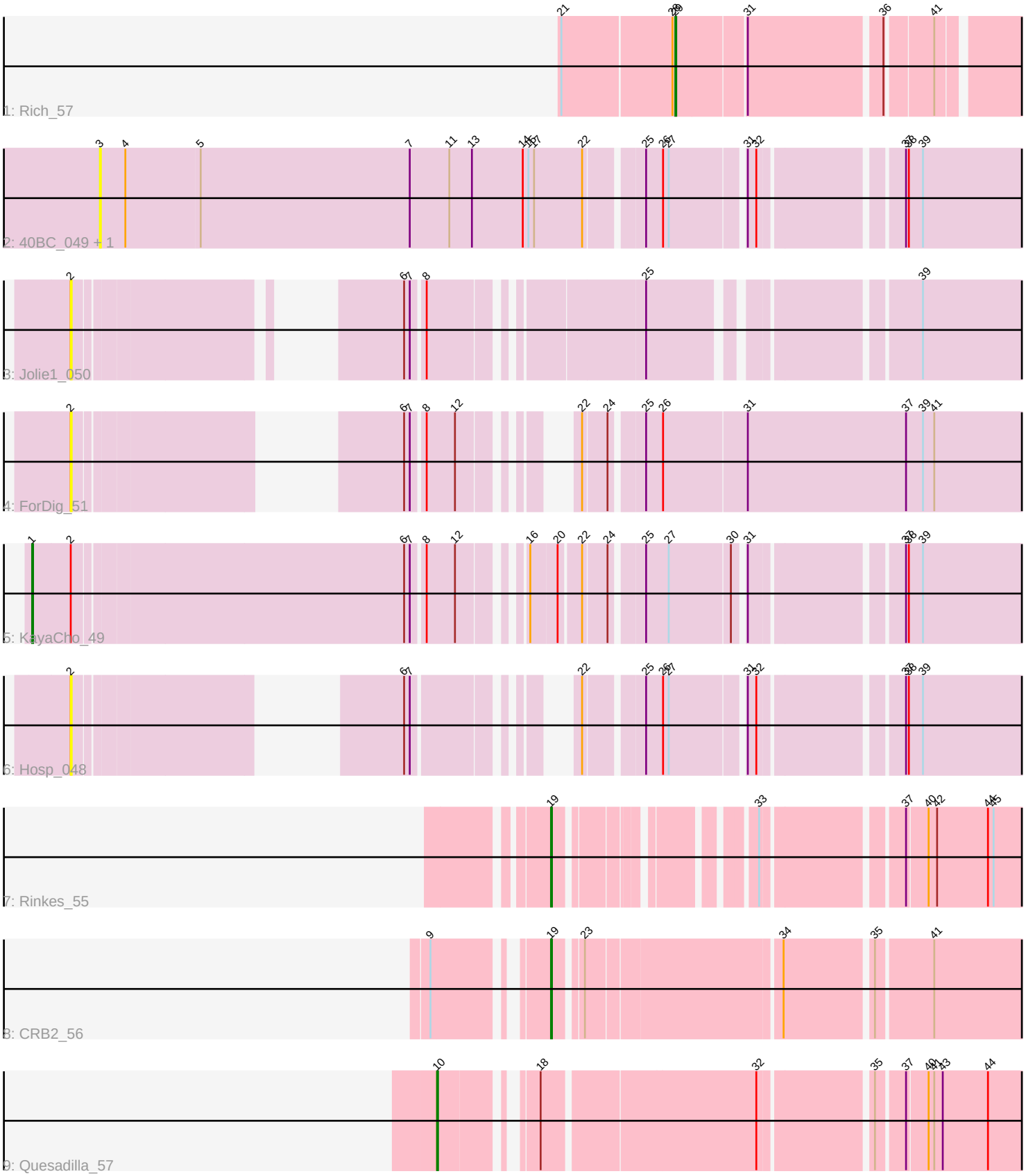
Pham 216775


1: Rich_57
2: 40BC_049 + 1
3: Jolie1_050
4: ForDig_51
5: KayaCho_49
6: Hosp_048
7: Rinkes_55
8: CRB2_56
9: Quesadilla_57

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 216775 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216775 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Rich_57
• Track 2 : 40BC_049, 39HC_049
• Track 3 : Jolie1_050
• Track 4 : ForDig_51
• Track 5 : KayaCho_49
• Track 6 : Hosp_048
• Track 7 : Rinkes_55
• Track 8 : CRB2_56
• Track 9 : Quesadilla_57

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

The start number called the most often in the published annotations is 19, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CRB2_56, Rinkes_55,

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

Genes that do not have the "Most Annotated" start:
• 39HC_049, 40BC_049, ForDig_51, Hosp_048, Jolie1_050, KayaCho_49, Quesadilla_57, Rich_57,

Summary by start number:

Start 1:
• Found in 1 of 10 (10.0%) 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: KayaCho_49 (B6),

Start 2:

• Found in 4 of 10 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 75.0% of time when present
• Phage (with cluster) where this start called: ForDig_51 (B6), Hosp_048 (B6), Jolie1_050 (B6),

Start 3:
• Found in 2 of 10 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_049 (B6), 40BC_049 (B6),

Start 10:
• Found in 1 of 10 (10.0%) 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: Quesadilla_57 (B9),

Start 19:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_56 (B9), Rinkes_55 (B9),

Start 29:
• Found in 1 of 10 (10.0%) 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: Rich_57 (B5),

Summary by clusters:

There are 3 clusters represented in this pham: B5, B6, B9,

Info for manual annotations of cluster B5:
•Start number 29 was manually annotated 1 time for cluster B5.

Info for manual annotations of cluster B6:
•Start number 1 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:
•Start number 10 was manually annotated 1 time for cluster B9.
•Start number 19 was manually annotated 2 times for cluster B9.

Gene Information:

Gene: 39HC_049 Start: 49995, Stop: 49036, Start Num: 3
Candidate Starts for 39HC_049:
(3, 49995), (4, 49968), (5, 49890), (7, 49668), (11, 49626), (13, 49602), (14, 49548), (15, 49542), (17, 49536), (22, 49485), (25, 49431), (26, 49413), (27, 49407), (31, 49335), (32, 49326), (37, 49191), (38, 49188), (39, 49173),

Gene: 40BC_049 Start: 49995, Stop: 49036, Start Num: 3
Candidate Starts for 40BC_049:
(3, 49995), (4, 49968), (5, 49890), (7, 49668), (11, 49626), (13, 49602), (14, 49548), (15, 49542), (17, 49536), (22, 49485), (25, 49431), (26, 49413), (27, 49407), (31, 49335), (32, 49326), (37, 49191), (38, 49188), (39, 49173),

Gene: CRB2_56 Start: 53718, Stop: 53233, Start Num: 19
Candidate Starts for CRB2_56:
(9, 53814), (Start: 19 @53718 has 2 MA's), (23, 53694), (34, 53499), (35, 53412), (41, 53355),

Gene: ForDig_51 Start: 50079, Stop: 49225, Start Num: 2
Candidate Starts for ForDig_51:
(2, 50079), (6, 49830), (7, 49824), (8, 49812), (12, 49782), (22, 49710), (24, 49686), (25, 49656), (26, 49638), (31, 49551), (37, 49383), (39, 49365), (41, 49353),

Gene: Hosp_048 Start: 48278, Stop: 47463, Start Num: 2
Candidate Starts for Hosp_048:
(2, 48278), (6, 48032), (7, 48026), (22, 47912), (25, 47858), (26, 47840), (27, 47834), (31, 47762), (32, 47753), (37, 47618), (38, 47615), (39, 47600),

Gene: Jolie1_050 Start: 50185, Stop: 49319, Start Num: 2
Candidate Starts for Jolie1_050:
(2, 50185), (6, 49930), (7, 49924), (8, 49912), (25, 49714), (39, 49468),

Gene: KayaCho_49 Start: 50035, Stop: 49061, Start Num: 1
Candidate Starts for KayaCho_49:
(Start: 1 @50035 has 1 MA's), (2, 49996), (6, 49657), (7, 49651), (8, 49639), (12, 49609), (16, 49558), (20, 49531), (22, 49510), (24, 49486), (25, 49456), (27, 49432), (30, 49369), (31, 49360), (37, 49216), (38, 49213), (39, 49198),

Gene: Quesadilla_57 Start: 53051, Stop: 52476, Start Num: 10
Candidate Starts for Quesadilla_57:
(Start: 10 @53051 has 1 MA's), (18, 52973), (32, 52760), (35, 52652), (37, 52625), (40, 52604), (41, 52598), (43, 52589), (44, 52541),

Gene: Rich_57 Start: 53862, Stop: 53494, Start Num: 29
Candidate Starts for Rich_57:
(21, 53979), (28, 53865), (Start: 29 @53862 has 1 MA's), (31, 53793), (36, 53658), (41, 53613),

Gene: Rinkes_55 Start: 52581, Stop: 52141, Start Num: 19
Candidate Starts for Rinkes_55:
(Start: 19 @52581 has 2 MA's), (33, 52422), (37, 52290), (40, 52269), (42, 52260), (44, 52206), (45, 52200),