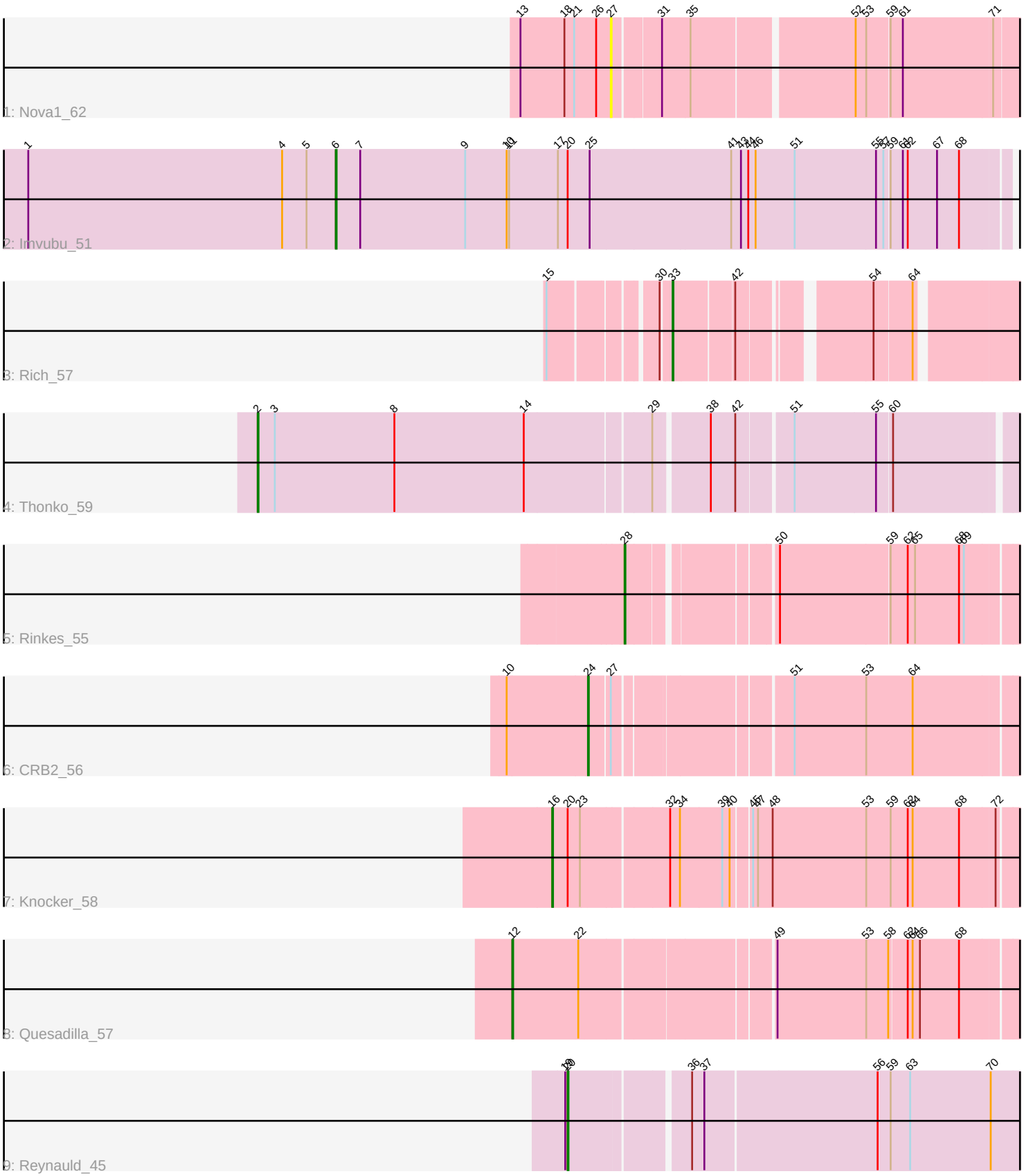
Pham 348284


1: Nova1_62
2: Innvubu_51
3: Rich_57
4: Thonko_59
5: Rinkes_55
6: CRB2_56
7: Knocker_58
8: Quesadilla_57
9: Reynauld_45

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 348284 Report

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

Pham number 348284 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nova1_62
• Track 2 : Imvubu_51
• Track 3 : Rich_57
• Track 4 : Thonko_59
• Track 5 : Rinkes_55
• Track 6 : CRB2_56
• Track 7 : Knocker_58
• Track 8 : Quesadilla_57
• Track 9 : Reynauld_45

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

The start number called the most often in the published annotations is 16, it was called in 1 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Knocker_58,

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

Genes that do not have the "Most Annotated" start:
• CRB2_56, Imvubu_51, Nova1_62, Quesadilla_57, Reynauld_45, Rich_57, Rinkes_55, Thonko_59,

Summary by start number:

Start 2:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thonko_59 (B8),

Start 6:

• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Imvubu_51 (B10),

Start 12:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quesadilla_57 (B9),

Start 16:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_58 (B9),

Start 20:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Reynauld_45 (CH),

Start 24:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_56 (B9),

Start 27:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nova1_62 (B1),

Start 28:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rinkes_55 (B9),

Start 33:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rich_57 (B5),

Summary by clusters:

There are 6 clusters represented in this pham: CH, B5, B1, B10, B8, B9,

Info for manual annotations of cluster B10:

•Start number 6 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B5:
•Start number 33 was manually annotated 1 time for cluster B5.

Info for manual annotations of cluster B8:
•Start number 2 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 12 was manually annotated 1 time for cluster B9.
•Start number 16 was manually annotated 1 time for cluster B9.
•Start number 24 was manually annotated 1 time for cluster B9.
•Start number 28 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CH:
•Start number 20 was manually annotated 1 time for cluster CH.

Gene Information:

Gene: CRB2_56 Start: 53718, Stop: 53233, Start Num: 24
Candidate Starts for CRB2_56:
(10, 53814), (Start: 24 @53718 has 1 MA's), (27, 53694), (51, 53499), (53, 53412), (64, 53355),

Gene: Imvubu_51 Start: 49870, Stop: 49058, Start Num: 6
Candidate Starts for Imvubu_51:
(1, 50248), (4, 49936), (5, 49906), (Start: 6 @49870 has 1 MA's), (7, 49840), (9, 49711), (10, 49660), (11, 49657), (17, 49597), (Start: 20 @49585 has 1 MA's), (25, 49558), (41, 49390), (43, 49378), (44, 49369), (46, 49360), (51, 49312), (55, 49213), (57, 49204), (59, 49198), (61, 49183), (62, 49177), (67, 49141), (68, 49114),

Gene: Knocker_58 Start: 54031, Stop: 53489, Start Num: 16
Candidate Starts for Knocker_58:
(Start: 16 @54031 has 1 MA's), (Start: 20 @54013 has 1 MA's), (23, 53998), (32, 53899), (34, 53887), (39, 53836), (40, 53827), (45, 53806), (47, 53800), (48, 53782), (53, 53668), (59, 53638), (62, 53617), (64, 53611), (68, 53554), (72, 53512),

Gene: Nova1_62 Start: 52465, Stop: 52001, Start Num: 27
Candidate Starts for Nova1_62:
(13, 52576), (18, 52522), (21, 52510), (26, 52483), (27, 52465), (31, 52411), (35, 52378), (52, 52192), (53, 52180), (59, 52153), (61, 52138), (71, 52030),

Gene: Quesadilla_57 Start: 53051, Stop: 52476, Start Num: 12
Candidate Starts for Quesadilla_57:
(Start: 12 @53051 has 1 MA's), (22, 52973), (49, 52760), (53, 52652), (58, 52625), (62, 52604), (64, 52598), (66, 52589), (68, 52541),

Gene: Reynauld_45 Start: 43839, Stop: 43303, Start Num: 20
Candidate Starts for Reynauld_45:
(19, 43842), (Start: 20 @43839 has 1 MA's), (36, 43704), (37, 43689), (56, 43482), (59, 43467), (63, 43443), (70, 43344),

Gene: Rich_57 Start: 53862, Stop: 53494, Start Num: 33
Candidate Starts for Rich_57:
(15, 53979), (30, 53865), (Start: 33 @53862 has 1 MA's), (42, 53793), (54, 53658), (64, 53613),

Gene: Rinkes_55 Start: 52581, Stop: 52141, Start Num: 28
Candidate Starts for Rinkes_55:
(Start: 28 @52581 has 1 MA's), (50, 52422), (59, 52290), (62, 52269), (65, 52260), (68, 52206), (69, 52200),

Gene: Thonko_59 Start: 51327, Stop: 50443, Start Num: 2
Candidate Starts for Thonko_59:
(Start: 2 @51327 has 1 MA's), (3, 51306), (8, 51159), (14, 51000), (29, 50853), (38, 50793), (42, 50763), (51, 50700), (55, 50601), (60, 50583),