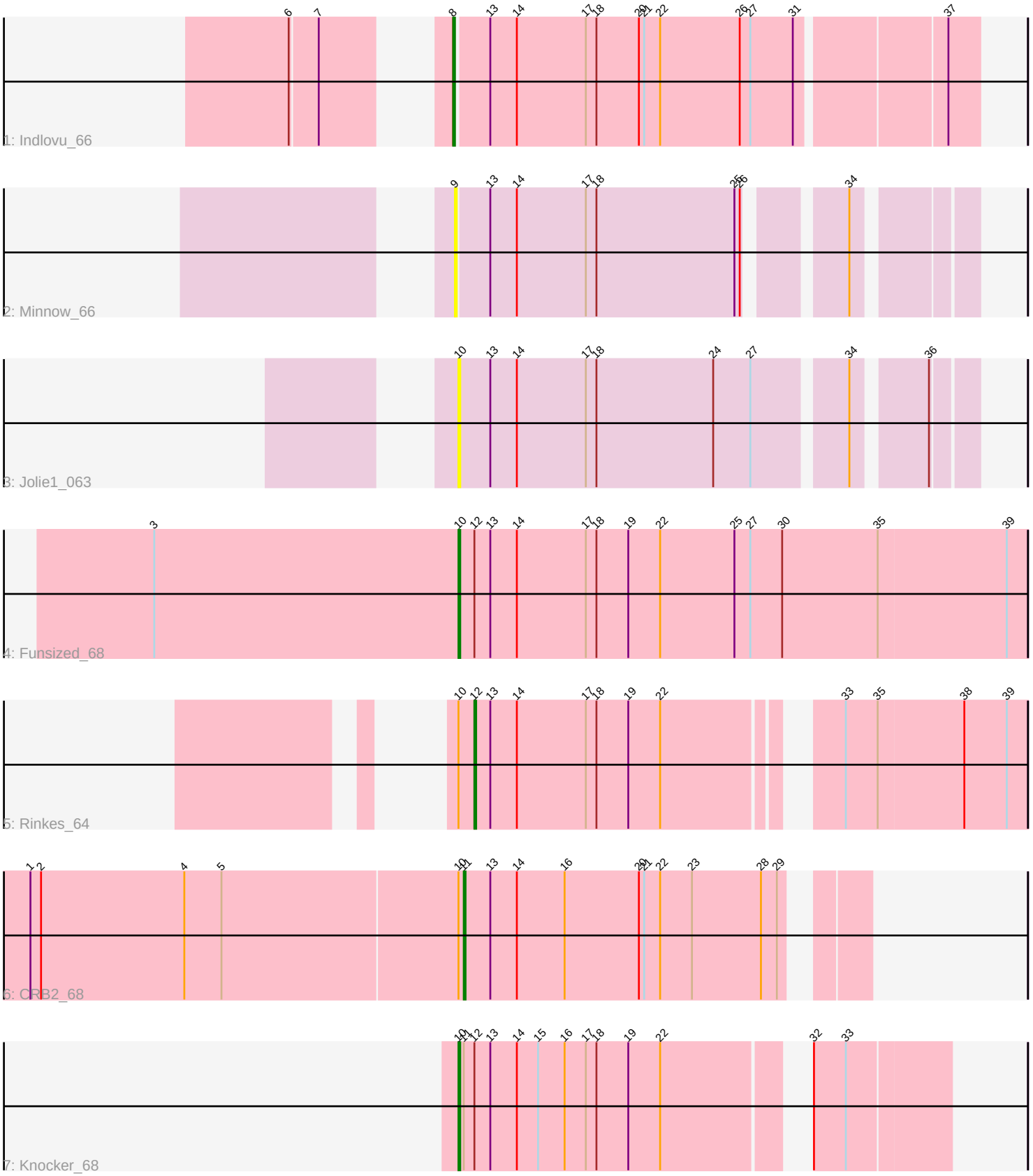
Pham 310105


1: Indlovu_66
2: Minnow_66
3: Jolie1_063
4: Funsized_68
5: Rinkes_64
6: CRB2_68
7: Knocker_68

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 310105 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310105 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Indlovu_66
• Track 2 : Minnow_66
• Track 3 : Jolie1_063
• Track 4 : Funsized_68
• Track 5 : Rinkes_64
• Track 6 : CRB2_68
• Track 7 : Knocker_68

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Funsized_68, Jolie1_063, Knocker_68,

Genes that have the "Most Annotated" start but do not call it:
• CRB2_68, Rinkes_64,

Genes that do not have the "Most Annotated" start:
• Indlovu_66, Minnow_66,

Summary by start number:

Start 8:
• Found in 1 of 7 (14.3%) 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: Indlovu_66 (B11),

Start 9:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Minnow_66 (B6),

Start 10:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Funsized_68 (B9), Jolie1_063 (B6), Knocker_68 (B9),

Start 11:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CRB2_68 (B9),

Start 12:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Rinkes_64 (B9),

Summary by clusters:

There are 3 clusters represented in this pham: B6, B9, B11,

Info for manual annotations of cluster B11:
•Start number 8 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B9:
•Start number 10 was manually annotated 2 times for cluster B9.
•Start number 11 was manually annotated 1 time for cluster B9.
•Start number 12 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: CRB2_68 Start: 60598, Stop: 60810, Start Num: 11
Candidate Starts for CRB2_68:
(1, 60355), (2, 60361), (4, 60442), (5, 60463), (Start: 10 @60595 has 2 MA's), (Start: 11 @60598 has 1 MA's), (13, 60613), (14, 60628), (16, 60655), (20, 60697), (21, 60700), (22, 60709), (23, 60727), (28, 60766), (29, 60775),

Gene: Funsized_68 Start: 60470, Stop: 60790, Start Num: 10
Candidate Starts for Funsized_68:
(3, 60299), (Start: 10 @60470 has 2 MA's), (Start: 12 @60479 has 1 MA's), (13, 60488), (14, 60503), (17, 60542), (18, 60548), (19, 60566), (22, 60584), (25, 60626), (27, 60635), (30, 60653), (35, 60707), (39, 60779),

Gene: Indlovu_66 Start: 58647, Stop: 58931, Start Num: 8
Candidate Starts for Indlovu_66:

(6, 58590), (7, 58605), (Start: 8 @58647 has 1 MA's), (13, 58665), (14, 58680), (17, 58719), (18, 58725), (20, 58749), (21, 58752), (22, 58761), (26, 58806), (27, 58812), (31, 58836), (37, 58914),

Gene: Jolie1_063 Start: 56899, Stop: 57171, Start Num: 10
Candidate Starts for Jolie1_063:
(Start: 10 @56899 has 2 MA's), (13, 56917), (14, 56932), (17, 56971), (18, 56977), (24, 57043), (27, 57064), (34, 57112), (36, 57148),

Gene: Knocker_68 Start: 59706, Stop: 59960, Start Num: 10
Candidate Starts for Knocker_68:
(Start: 10 @59706 has 2 MA's), (Start: 11 @59709 has 1 MA's), (Start: 12 @59715 has 1 MA's), (13, 59724), (14, 59739), (15, 59751), (16, 59766), (17, 59778), (18, 59784), (19, 59802), (22, 59820), (32, 59886), (33, 59904),

Gene: Minnow_66 Start: 57156, Stop: 57419, Start Num: 9
Candidate Starts for Minnow_66:
(9, 57156), (13, 57174), (14, 57189), (17, 57228), (18, 57234), (25, 57312), (26, 57315), (34, 57360),

Gene: Rinkes_64 Start: 58080, Stop: 58367, Start Num: 12
Candidate Starts for Rinkes_64:
(Start: 10 @58071 has 2 MA's), (Start: 12 @58080 has 1 MA's), (13, 58089), (14, 58104), (17, 58143), (18, 58149), (19, 58167), (22, 58185), (33, 58266), (35, 58284), (38, 58332), (39, 58356),