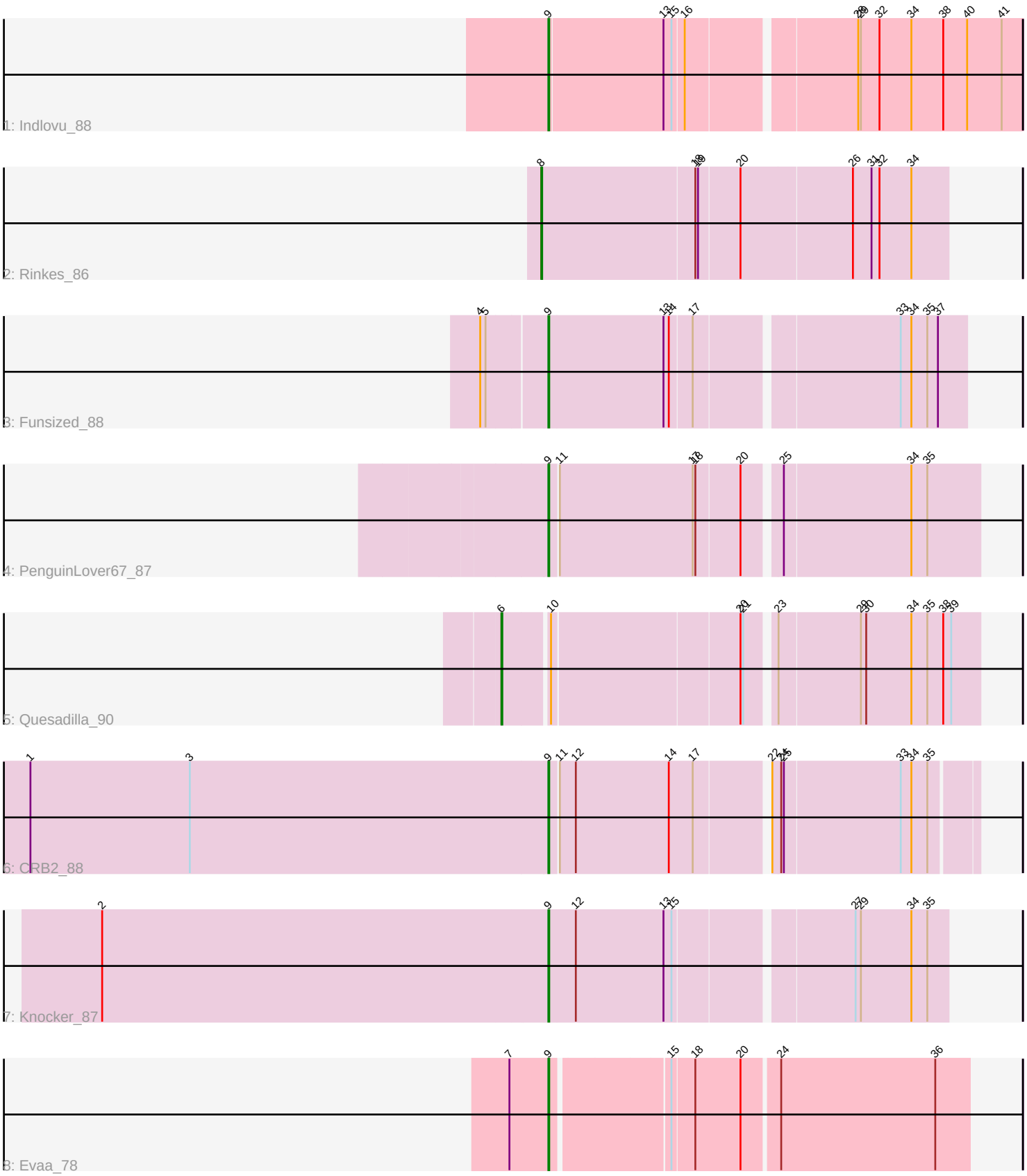
Pham 291821


1: Indlovu_88
2: Rinkes_86
3: Funsized_88
4: PenguinLover67_87
5: Quesadilla_90
6: CRB2_88
7: Knocker_87
8: Evaa_78

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 291821 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291821 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Indlovu_88
• Track 2 : Rinkes_86
• Track 3 : Funsized_88
• Track 4 : PenguinLover67_87
• Track 5 : Quesadilla_90
• Track 6 : CRB2_88
• Track 7 : Knocker_87
• Track 8 : Evaa_78

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CRB2_88, Evaa_78, Funsized_88, Indlovu_88, Knocker_87, PenguinLover67_87,

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

Genes that do not have the "Most Annotated" start:
• Quesadilla_90, Rinkes_86,

Summary by start number:

Start 6:
• Found in 1 of 8 (12.5%) 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_90 (B9),

Start 8:
• Found in 1 of 8 (12.5%) 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_86 (B9),

Start 9:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_88 (B9), Evaa_78 (DR), Funsized_88 (B9), Indlovu_88 (B11), Knocker_87 (B9), PenguinLover67_87 (B9),

Summary by clusters:

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

Info for manual annotations of cluster B11:
•Start number 9 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B9:
•Start number 6 was manually annotated 1 time for cluster B9.
•Start number 8 was manually annotated 1 time for cluster B9.
•Start number 9 was manually annotated 4 times for cluster B9.

Info for manual annotations of cluster DR:
•Start number 9 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: CRB2_88 Start: 67867, Stop: 67412, Start Num: 9
Candidate Starts for CRB2_88:
(1, 68446), (3, 68266), (Start: 9 @67867 has 6 MA's), (11, 67858), (12, 67840), (14, 67735), (17, 67708), (22, 67633), (24, 67624), (25, 67621), (33, 67492), (34, 67480), (35, 67462),

Gene: Evaa_78 Start: 57578, Stop: 57129, Start Num: 9
Candidate Starts for Evaa_78:
(7, 57617), (Start: 9 @57578 has 6 MA's), (15, 57455), (18, 57431), (20, 57380), (24, 57341), (36, 57167),

Gene: Funsized_88 Start: 68273, Stop: 67824, Start Num: 9
Candidate Starts for Funsized_88:
(4, 68339), (5, 68333), (Start: 9 @68273 has 6 MA's), (13, 68144), (14, 68138), (17, 68114), (33, 67898), (34, 67886), (35, 67868), (37, 67856),

Gene: Indlovu_88 Start: 67222, Stop: 66713, Start Num: 9
Candidate Starts for Indlovu_88:
(Start: 9 @67222 has 6 MA's), (13, 67096), (15, 67087), (16, 67075), (28, 66898), (29, 66895), (32, 66874), (34, 66838), (38, 66802), (40, 66775), (41, 66736),

Gene: Knocker_87 Start: 67165, Stop: 66737, Start Num: 9
Candidate Starts for Knocker_87:
(2, 67660), (Start: 9 @67165 has 6 MA's), (12, 67135), (13, 67036), (15, 67027), (27, 66841), (29, 66835), (34, 66778), (35, 66760),

Gene: PenguinLover67_87 Start: 65234, Stop: 64770, Start Num: 9
Candidate Starts for PenguinLover67_87:
(Start: 9 @65234 has 6 MA's), (11, 65225), (17, 65075), (18, 65072), (20, 65024), (25, 64988), (34, 64847), (35, 64829),

Gene: Quesadilla_90 Start: 66835, Stop: 66329, Start Num: 6
Candidate Starts for Quesadilla_90:
(Start: 6 @66835 has 1 MA's), (10, 66787), (20, 66583), (21, 66580), (23, 66553), (29, 66463), (30, 66457), (34, 66406), (35, 66388), (38, 66370), (39, 66361),

Gene: Rinkes_86 Start: 67114, Stop: 66665, Start Num: 8
Candidate Starts for Rinkes_86:
(Start: 8 @67114 has 1 MA's), (18, 66943), (19, 66940), (20, 66895), (26, 66772), (31, 66751), (32, 66742), (34, 66706),