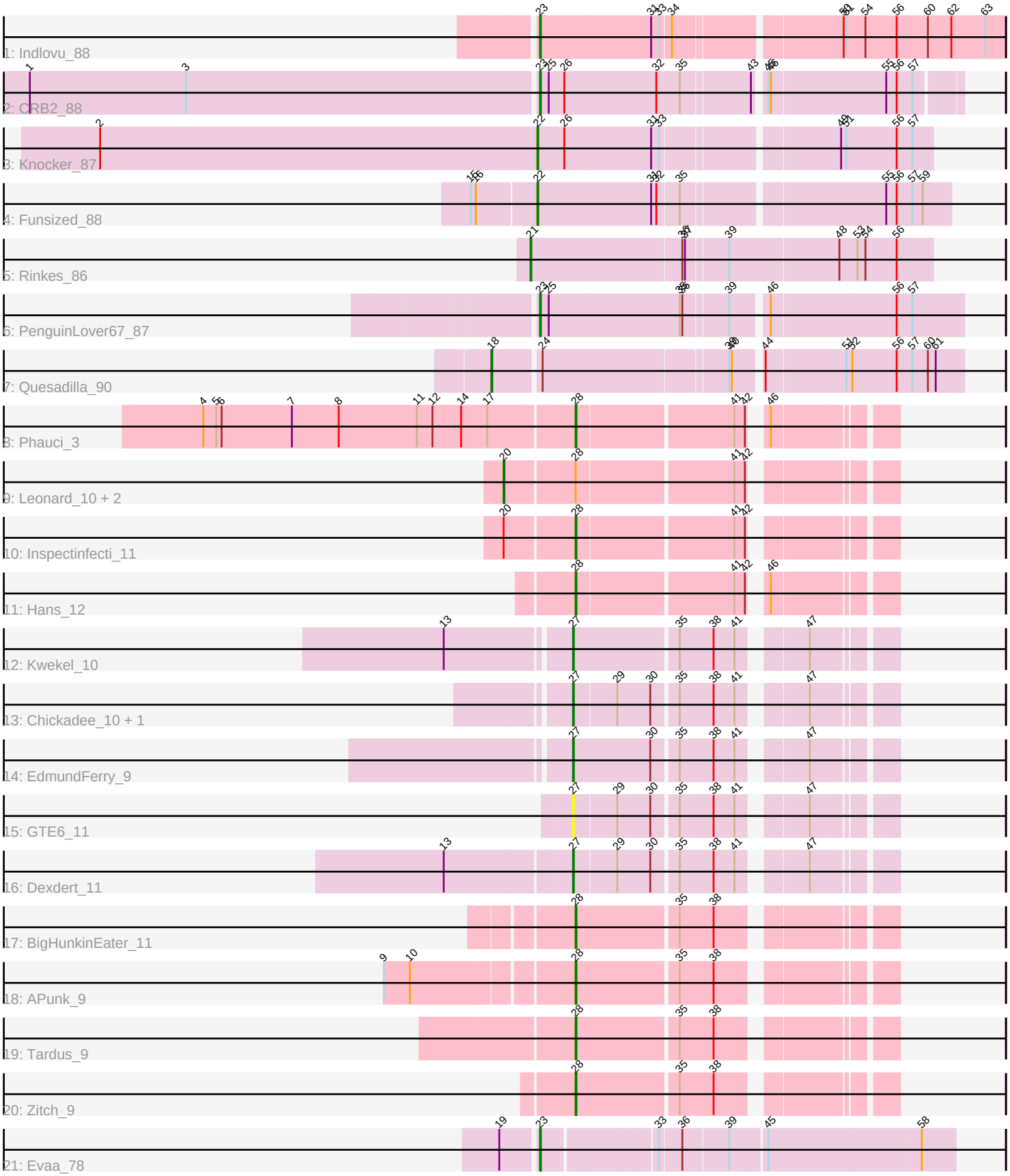
Pham 346109


1: Indlovu_88
2: CRB2_88
3: Knocker_87
4: Funsized_88
5: Rinkes_86
6: PenguinLover67_87
7: Quesadilla_90
8: Phauci_3
9: Leonard_10 + 2
10: Inspectinfecti_11
11: Hans_12
12: Kwekel_10
13: Chickadee_10 + 1
14: EdmundFerry_9
15: GTE6_11
16: Dexdert_11
17: BigHunkinEater_11
18: APunk_9
19: Tardus_9
20: Zitch_9
21: 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 346109 Report

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

Pham number 346109 has 24 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Indlovu_88
- Track 2 : CRB2_88
- Track 3 : Knocker_87
- Track 4 : Funsized_88
- Track 5 : Rinkes_86
- Track 6 : PenguinLover67_87
- Track 7 : Quesadilla_90
- Track 8 : Phauci_3
- Track 9 : Leonard_10, Ali17_8, Phinally_10
- Track 10 : Inspectinfecti_11
- Track 11 : Hans_12
- Track 12 : Kwekel_10
- Track 13 : Chickadee_10, Tiamoceli_11
- Track 14 : EdmundFerry_9
- Track 15 : GTE6_11
- Track 16 : Dexdert_11
- Track 17 : BigHunkinEater_11
- Track 18 : APunk_9
- Track 19 : Tardus_9
- Track 20 : Zitch_9
- Track 21 : 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 28, it was called in 7 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- APunk_9, BigHunkinEater_11, Hans_12, Inspectinfecti_11, Phauci_3, Tardus_9, Zitch_9,

Genes that have the "Most Annotated" start but do not call it:
- Ali17_8, Leonard_10, Phinally_10,

Genes that do not have the "Most Annotated" start:
• CRB2_88, Chickadee_10, Dexdert_11, EdmundFerry_9, Evaa_78, Funsized_88, GTE6_11, Indlovu_88, Knocker_87, Kwekel_10, PenguinLover67_87, Quesadilla_90, Rinkes_86, Tiamoceli_11,

Summary by start number:

Start 18:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quesadilla_90 (B9),

Start 20:
• Found in 4 of 24 (16.7%) of genes in pham
• Manual Annotations of this start: 3 of 23
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Ali17_8 (DE2), Leonard_10 (DE2), Phinally_10 (DE2),

Start 21:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rinkes_86 (B9),

Start 22:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Funsized_88 (B9), Knocker_87 (B9),

Start 23:
• Found in 4 of 24 (16.7%) of genes in pham
• Manual Annotations of this start: 4 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_88 (B9), Evaa_78 (DR), Indlovu_88 (B11), PenguinLover67_87 (B9),

Start 27:
• Found in 6 of 24 (25.0%) of genes in pham
• Manual Annotations of this start: 5 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_10 (DE3), Dexdert_11 (DE3), EdmundFerry_9 (DE3), GTE6_11 (DE3), Kwekel_10 (DE3), Tiamoceli_11 (DE3),

Start 28:
• Found in 10 of 24 (41.7%) of genes in pham
• Manual Annotations of this start: 7 of 23
• Called 70.0% of time when present
• Phage (with cluster) where this start called: APunk_9 (DE4), BigHunkinEater_11 (DE4), Hans_12 (DE2), Inspectinfecti_11 (DE2), Phauci_3 (DE2), Tardus_9 (DE4), Zitch_9 (DE4),

Summary by clusters:

There are 6 clusters represented in this pham: DE2, DE3, DE4, B11, DR, B9,

Info for manual annotations of cluster B11:
•Start number 23 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B9:
•Start number 18 was manually annotated 1 time for cluster B9.
•Start number 21 was manually annotated 1 time for cluster B9.
•Start number 22 was manually annotated 2 times for cluster B9.
•Start number 23 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster DE2:
•Start number 20 was manually annotated 3 times for cluster DE2.
•Start number 28 was manually annotated 3 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 27 was manually annotated 5 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 28 was manually annotated 4 times for cluster DE4.

Info for manual annotations of cluster DR:
•Start number 23 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: APunk_9 Start: 5467, Stop: 5790, Start Num: 28
Candidate Starts for APunk_9:
(9, 5263), (10, 5293), (Start: 28 @5467 has 7 MA's), (35, 5578), (38, 5617),

Gene: Ali17_8 Start: 5210, Stop: 5608, Start Num: 20
Candidate Starts for Ali17_8:
(Start: 20 @5210 has 3 MA's), (Start: 28 @5288 has 7 MA's), (41, 5459), (42, 5471),

Gene: BigHunkinEater_11 Start: 4917, Stop: 5240, Start Num: 28
Candidate Starts for BigHunkinEater_11:
(Start: 28 @4917 has 7 MA's), (35, 5028), (38, 5067),

Gene: CRB2_88 Start: 67867, Stop: 67412, Start Num: 23
Candidate Starts for CRB2_88:
(1, 68446), (3, 68266), (Start: 23 @67867 has 4 MA's), (25, 67858), (26, 67840), (32, 67735), (35, 67708), (43, 67633), (45, 67624), (46, 67621), (55, 67492), (56, 67480), (57, 67462),

Gene: Chickadee_10 Start: 4398, Stop: 4721, Start Num: 27
Candidate Starts for Chickadee_10:
(Start: 27 @4398 has 5 MA's), (29, 4446), (30, 4482), (35, 4509), (38, 4548), (41, 4572), (47, 4635),

Gene: Dexdert_11 Start: 4856, Stop: 5179, Start Num: 27

Candidate Starts for Dexdert_11:
(13, 4718), (Start: 27 @4856 has 5 MA's), (29, 4904), (30, 4940), (35, 4967), (38, 5006), (41, 5030), (47, 5093),

Gene: EdmundFerry_9 Start: 4410, Stop: 4736, Start Num: 27
Candidate Starts for EdmundFerry_9:
(Start: 27 @4410 has 5 MA's), (30, 4497), (35, 4524), (38, 4563), (41, 4587), (47, 4650),

Gene: Evaa_78 Start: 57578, Stop: 57129, Start Num: 23
Candidate Starts for Evaa_78:
(19, 57617), (Start: 23 @57578 has 4 MA's), (33, 57455), (36, 57431), (39, 57380), (45, 57341), (58, 57167),

Gene: Funsized_88 Start: 68273, Stop: 67824, Start Num: 22
Candidate Starts for Funsized_88:
(15, 68339), (16, 68333), (Start: 22 @68273 has 2 MA's), (31, 68144), (32, 68138), (35, 68114), (55, 67898), (56, 67886), (57, 67868), (59, 67856),

Gene: GTE6_11 Start: 4914, Stop: 5237, Start Num: 27
Candidate Starts for GTE6_11:
(Start: 27 @4914 has 5 MA's), (29, 4962), (30, 4998), (35, 5025), (38, 5064), (41, 5088), (47, 5151),

Gene: Hans_12 Start: 5823, Stop: 6143, Start Num: 28
Candidate Starts for Hans_12:
(Start: 28 @5823 has 7 MA's), (41, 5994), (42, 6006), (46, 6015),

Gene: Indlovu_88 Start: 67222, Stop: 66713, Start Num: 23
Candidate Starts for Indlovu_88:
(Start: 23 @67222 has 4 MA's), (31, 67096), (33, 67087), (34, 67075), (50, 66898), (51, 66895), (54, 66874), (56, 66838), (60, 66802), (62, 66775), (63, 66736),

Gene: Inspectinfecti_11 Start: 6345, Stop: 6665, Start Num: 28
Candidate Starts for Inspectinfecti_11:
(Start: 20 @6267 has 3 MA's), (Start: 28 @6345 has 7 MA's), (41, 6516), (42, 6528),

Gene: Knocker_87 Start: 67165, Stop: 66737, Start Num: 22
Candidate Starts for Knocker_87:
(2, 67660), (Start: 22 @67165 has 2 MA's), (26, 67135), (31, 67036), (33, 67027), (49, 66841), (51, 66835), (56, 66778), (57, 66760),

Gene: Kwekel_10 Start: 4405, Stop: 4731, Start Num: 27
Candidate Starts for Kwekel_10:
(13, 4273), (Start: 27 @4405 has 5 MA's), (35, 4519), (38, 4558), (41, 4582), (47, 4645),

Gene: Leonard_10 Start: 5862, Stop: 6260, Start Num: 20
Candidate Starts for Leonard_10:
(Start: 20 @5862 has 3 MA's), (Start: 28 @5940 has 7 MA's), (41, 6111), (42, 6123),

Gene: PenguinLover67_87 Start: 65234, Stop: 64770, Start Num: 23
Candidate Starts for PenguinLover67_87:
(Start: 23 @65234 has 4 MA's), (25, 65225), (35, 65075), (36, 65072), (39, 65024), (46, 64988), (56, 64847), (57, 64829),

Gene: Phauci_3 Start: 2464, Stop: 2784, Start Num: 28
Candidate Starts for Phauci_3:
(4, 2047), (5, 2062), (6, 2068), (7, 2149), (8, 2203), (11, 2293), (12, 2311), (14, 2344), (17, 2374), (Start: 28 @2464 has 7 MA's), (41, 2635), (42, 2647), (46, 2656),

Gene: Phinally_10 Start: 5859, Stop: 6257, Start Num: 20
Candidate Starts for Phinally_10:
(Start: 20 @5859 has 3 MA's), (Start: 28 @5937 has 7 MA's), (41, 6108), (42, 6120),

Gene: Quesadilla_90 Start: 66835, Stop: 66329, Start Num: 18
Candidate Starts for Quesadilla_90:
(Start: 18 @66835 has 1 MA's), (24, 66787), (39, 66583), (40, 66580), (44, 66553), (51, 66463), (52, 66457), (56, 66406), (57, 66388), (60, 66370), (61, 66361),

Gene: Rinkes_86 Start: 67114, Stop: 66665, Start Num: 21
Candidate Starts for Rinkes_86:
(Start: 21 @67114 has 1 MA's), (36, 66943), (37, 66940), (39, 66895), (48, 66772), (53, 66751), (54, 66742), (56, 66706),

Gene: Tardus_9 Start: 4183, Stop: 4506, Start Num: 28
Candidate Starts for Tardus_9:
(Start: 28 @4183 has 7 MA's), (35, 4294), (38, 4333),

Gene: Tiamoceli_11 Start: 5252, Stop: 5575, Start Num: 27
Candidate Starts for Tiamoceli_11:
(Start: 27 @5252 has 5 MA's), (29, 5300), (30, 5336), (35, 5363), (38, 5402), (41, 5426), (47, 5489),

Gene: Zitch_9 Start: 4724, Stop: 5047, Start Num: 28
Candidate Starts for Zitch_9:
(Start: 28 @4724 has 7 MA's), (35, 4835), (38, 4874),