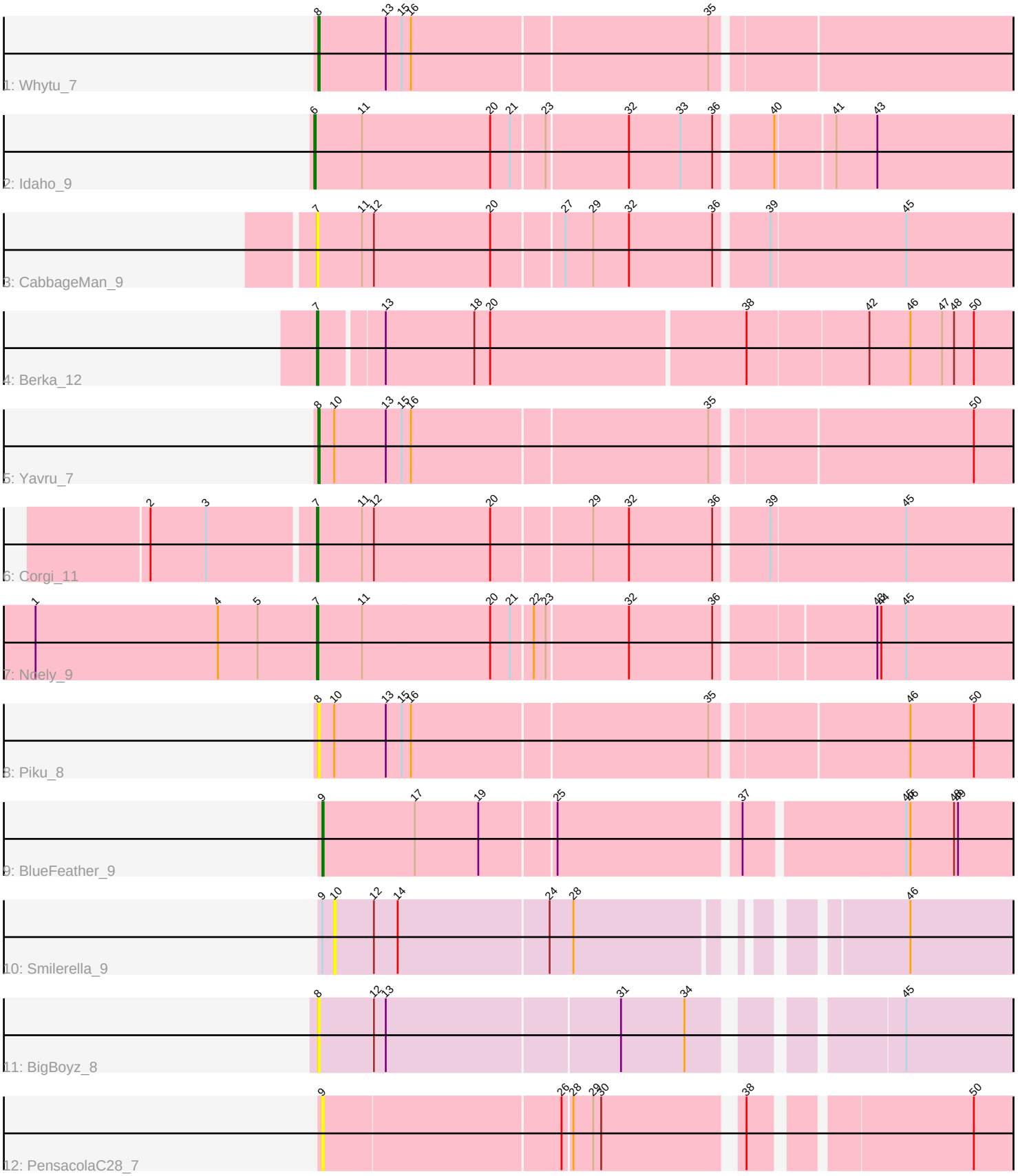
Pham 106871


1: Whytu_7
2: Idaho_9
3: CabbageMan_9
4: Berka_12
5: Yavru_7
6: Corgi_11
7: Ndely_9
8: Piku_8
9: BlueFeather_9
10: Smilerella_9
11: BigBoyz_8
12: PensacolaC28_7

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 106871 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106871 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Whytu_7
• Track 2 : Idaho_9
• Track 3 : CabbageMan_9
• Track 4 : Berka_12
• Track 5 : Yavru_7
• Track 6 : Corgi_11
• Track 7 : Noely_9
• Track 8 : Piku_8
• Track 9 : BlueFeather_9
• Track 10 : Smilerella_9
• Track 11 : BigBoyz_8
• Track 12 : PensacolaC28_7

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Berka_12, CabbageMan_9, Corgi_11, Noely_9,

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

Genes that do not have the "Most Annotated" start:
• BigBoyz_8, BlueFeather_9, Idaho_9, PensacolaC28_7, Piku_8, Smilerella_9, Whytu_7, Yavru_7,

Summary by start number:

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Idaho_9 (FE),

Start 7:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berka_12 (FE), CabbageMan_9 (FE), Corgi_11 (FE), Noely_9 (FE),

Start 8:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigBoyz_8 (GH), Piku_8 (FE), Whytu_7 (FE), Yavru_7 (FE),

Start 9:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BlueFeather_9 (FE), PensacolaC28_7 (singleton),

Start 10:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Smilerella_9 (GH),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FE, GH,

Info for manual annotations of cluster FE:
•Start number 6 was manually annotated 1 time for cluster FE.
•Start number 7 was manually annotated 3 times for cluster FE.
•Start number 8 was manually annotated 2 times for cluster FE.
•Start number 9 was manually annotated 1 time for cluster FE.

Gene Information:

Gene: Berka_12 Start: 6700, Stop: 7224, Start Num: 7
Candidate Starts for Berka_12:
(Start: 7 @6700 has 3 MA's), (13, 6745), (18, 6811), (20, 6823), (38, 7012), (42, 7099), (46, 7129), (47, 7153), (48, 7162), (50, 7177),

Gene: BigBoyz_8 Start: 5968, Stop: 6468, Start Num: 8
Candidate Starts for BigBoyz_8:
(Start: 8 @5968 has 2 MA's), (12, 6007), (13, 6016), (31, 6187), (34, 6235), (45, 6367),

Gene: BlueFeather_9 Start: 6112, Stop: 6636, Start Num: 9
Candidate Starts for BlueFeather_9:
(Start: 9 @6112 has 1 MA's), (17, 6181), (19, 6229), (25, 6283), (37, 6415), (45, 6529), (46, 6532), (48, 6565), (49, 6568),

Gene: CabbageMan_9 Start: 6453, Stop: 6983, Start Num: 7
Candidate Starts for CabbageMan_9:
(Start: 7 @6453 has 3 MA's), (11, 6486), (12, 6495), (20, 6582), (27, 6633), (29, 6654), (32, 6681), (36, 6744), (39, 6780), (45, 6879),

Gene: Corgi_11 Start: 6620, Stop: 7150, Start Num: 7
Candidate Starts for Corgi_11:
(2, 6500), (3, 6542), (Start: 7 @6620 has 3 MA's), (11, 6653), (12, 6662), (20, 6749), (29, 6821), (32, 6848), (36, 6911), (39, 6947), (45, 7046),

Gene: Idaho_9 Start: 6410, Stop: 6940, Start Num: 6
Candidate Starts for Idaho_9:
(Start: 6 @6410 has 1 MA's), (11, 6446), (20, 6542), (21, 6557), (23, 6581), (32, 6641), (33, 6680), (36, 6704), (40, 6743), (41, 6785), (43, 6815),

Gene: Noely_9 Start: 6594, Stop: 7121, Start Num: 7
Candidate Starts for Noely_9:
(1, 6381), (4, 6519), (5, 6549), (Start: 7 @6594 has 3 MA's), (11, 6627), (20, 6723), (21, 6738), (22, 6753), (23, 6762), (32, 6822), (36, 6885), (43, 6996), (44, 6999), (45, 7017),

Gene: PensacolaC28_7 Start: 5982, Stop: 6476, Start Num: 9
Candidate Starts for PensacolaC28_7:
(Start: 9 @5982 has 1 MA's), (26, 6156), (28, 6162), (29, 6177), (30, 6183), (38, 6279), (50, 6429),

Gene: Piku_8 Start: 5840, Stop: 6367, Start Num: 8
Candidate Starts for Piku_8:
(Start: 8 @5840 has 2 MA's), (10, 5852), (13, 5891), (15, 5903), (16, 5909), (35, 6128), (46, 6266), (50, 6314),

Gene: Smilerella_9 Start: 6052, Stop: 6531, Start Num: 10
Candidate Starts for Smilerella_9:
(Start: 9 @6043 has 1 MA's), (10, 6052), (12, 6082), (14, 6100), (24, 6211), (28, 6229), (46, 6430),

Gene: Whytu_7 Start: 5806, Stop: 6333, Start Num: 8
Candidate Starts for Whytu_7:
(Start: 8 @5806 has 2 MA's), (13, 5857), (15, 5869), (16, 5875), (35, 6094),

Gene: Yavru_7 Start: 5856, Stop: 6383, Start Num: 8
Candidate Starts for Yavru_7:
(Start: 8 @5856 has 2 MA's), (10, 5868), (13, 5907), (15, 5919), (16, 5925), (35, 6144), (50, 6330),