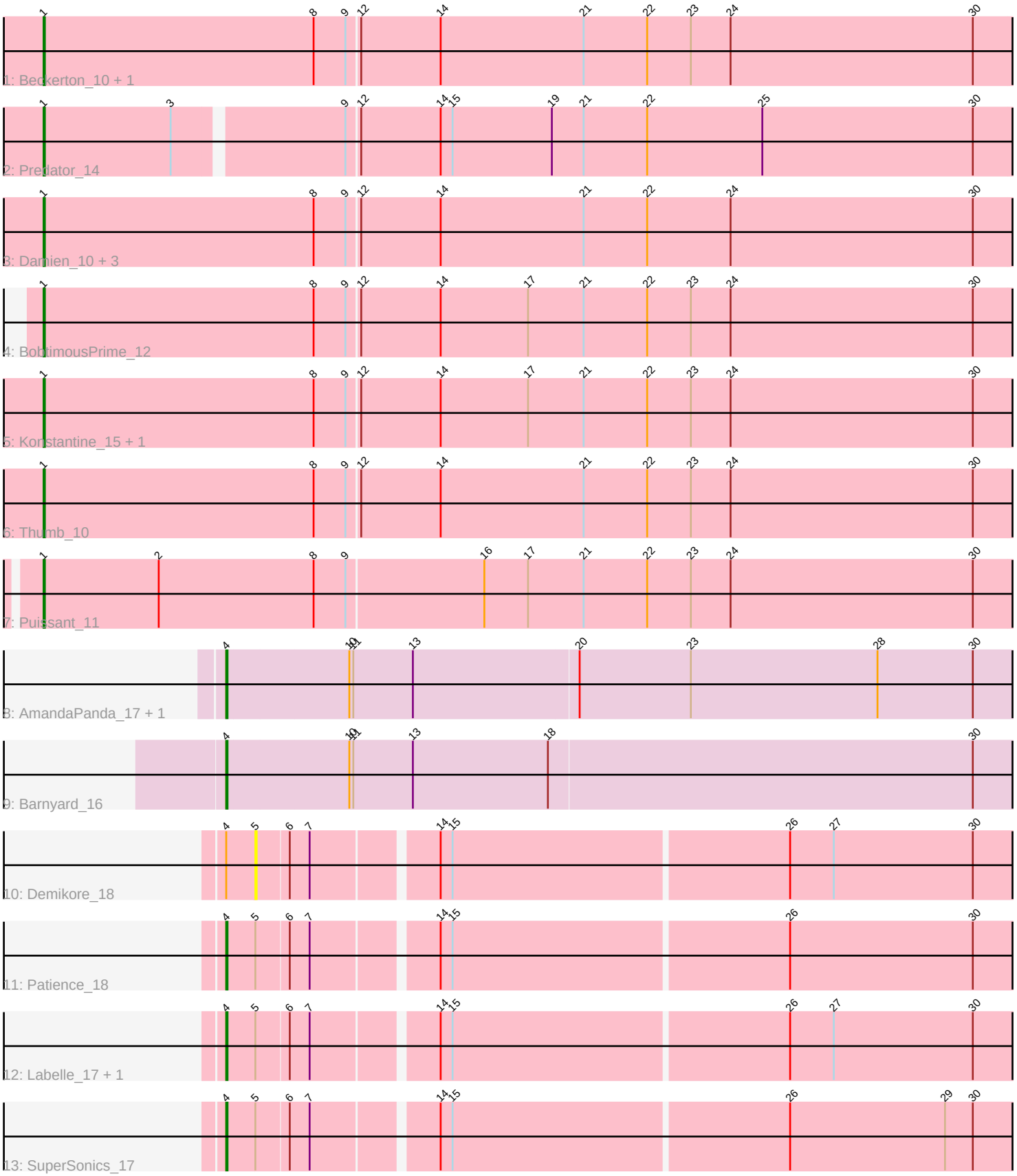
Pham 348058


1: Beckerton_10 + 1
2: Predator_14
3: Damien_10 + 3
4: BobtimousPrime_12
5: Konstantine_15 + 1
6: Thumb_10
7: Puissant_11
8: AmandaPanda_17 + 1
9: Barnyard_16
10: Demikore_18
11: Patience_18
12: Labelle_17 + 1
13: SuperSonics_17

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 348058 Report

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

Pham number 348058 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Beckerton_10, Phreeze_10
• Track 2 : Predator_14
• Track 3 : Damien_10, Nish23_11, Cborch11_11, Megatron06_12
• Track 4 : BobtimousPrime_12
• Track 5 : Konstantine_15, Oaker_10
• Track 6 : Thumb_10
• Track 7 : Puissant_11
• Track 8 : AmandaPanda_17, DrLupo_18
• Track 9 : Barnyard_16
• Track 10 : Demikore_18
• Track 11 : Patience_18
• Track 12 : Labelle_17, Madruga_16
• Track 13 : SuperSonics_17

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

The start number called the most often in the published annotations is 1, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_10, BobtimousPrime_12, Cborch11_11, Damien_10, Konstantine_15, Megatron06_12, Nish23_11, Oaker_10, Phreeze_10, Predator_14, Puissant_11, Thumb_10,

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

Genes that do not have the "Most Annotated" start:
• AmandaPanda_17, Barnyard_16, Demikore_18, DrLupo_18, Labelle_17, Madruga_16, Patience_18, SuperSonics_17,

Summary by start number:

Start 1:

• Found in 12 of 20 (60.0%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_10 (H1), BobtimousPrime_12 (H1), Cborch11_11 (H1), Damien_10 (H1), Konstantine_15 (H1), Megatron06_12 (H1), Nish23_11 (H1), Oaker_10 (H1), Phreeze_10 (H1), Predator_14 (H1), Puissant_11 (H1), Thumb_10 (H1),

Start 4:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 6 of 17
• Called 87.5% of time when present
• Phage (with cluster) where this start called: AmandaPanda_17 (H2), Barnyard_16 (H2), DrLupo_18 (H2), Labelle_17 (U), Madruga_16 (U), Patience_18 (U), SuperSonics_17 (U),

Start 5:
• Found in 5 of 20 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Demikore_18 (U),

Summary by clusters:

There are 3 clusters represented in this pham: H2, H1, U,

Info for manual annotations of cluster H1:
•Start number 1 was manually annotated 11 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 4 was manually annotated 2 times for cluster H2.

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

Gene Information:

Gene: AmandaPanda_17 Start: 8751, Stop: 9389, Start Num: 4
Candidate Starts for AmandaPanda_17:
(Start: 4 @8751 has 6 MA's), (10, 8841), (11, 8844), (13, 8889), (20, 9012), (23, 9096), (28, 9237), (30, 9309),

Gene: Barnyard_16 Start: 8337, Stop: 8972, Start Num: 4
Candidate Starts for Barnyard_16:
(Start: 4 @8337 has 6 MA's), (10, 8427), (11, 8430), (13, 8475), (18, 8577), (30, 8895),

Gene: Beckerton_10 Start: 7270, Stop: 8043, Start Num: 1
Candidate Starts for Beckerton_10:
(Start: 1 @7270 has 11 MA's), (8, 7474), (9, 7498), (12, 7507), (14, 7567), (21, 7675), (22, 7723), (23, 7756), (24, 7786), (30, 7969),

Gene: BobtimousPrime_12 Start: 7190, Stop: 7963, Start Num: 1
Candidate Starts for BobtimousPrime_12:
(Start: 1 @7190 has 11 MA's), (8, 7394), (9, 7418), (12, 7427), (14, 7487), (17, 7553), (21, 7595), (22, 7643), (23, 7676), (24, 7706), (30, 7889),

Gene: Cborch11_11 Start: 6735, Stop: 7508, Start Num: 1
Candidate Starts for Cborch11_11:
(Start: 1 @6735 has 11 MA's), (8, 6939), (9, 6963), (12, 6972), (14, 7032), (21, 7140), (22, 7188), (24, 7251), (30, 7434),

Gene: Damien_10 Start: 6735, Stop: 7508, Start Num: 1
Candidate Starts for Damien_10:
(Start: 1 @6735 has 11 MA's), (8, 6939), (9, 6963), (12, 6972), (14, 7032), (21, 7140), (22, 7188), (24, 7251), (30, 7434),

Gene: Demikore_18 Start: 9930, Stop: 10514, Start Num: 5
Candidate Starts for Demikore_18:
(Start: 4 @9909 has 6 MA's), (5, 9930), (6, 9954), (7, 9969), (14, 10056), (15, 10065), (26, 10314), (27, 10347), (30, 10452),

Gene: DrLupo_18 Start: 8751, Stop: 9389, Start Num: 4
Candidate Starts for DrLupo_18:
(Start: 4 @8751 has 6 MA's), (10, 8841), (11, 8844), (13, 8889), (20, 9012), (23, 9096), (28, 9237), (30, 9309),

Gene: Konstantine_15 Start: 7934, Stop: 8707, Start Num: 1
Candidate Starts for Konstantine_15:
(Start: 1 @7934 has 11 MA's), (8, 8138), (9, 8162), (12, 8171), (14, 8231), (17, 8297), (21, 8339), (22, 8387), (23, 8420), (24, 8450), (30, 8633),

Gene: Labelle_17 Start: 9911, Stop: 10516, Start Num: 4
Candidate Starts for Labelle_17:
(Start: 4 @9911 has 6 MA's), (5, 9932), (6, 9956), (7, 9971), (14, 10058), (15, 10067), (26, 10316), (27, 10349), (30, 10454),

Gene: Madruga_16 Start: 9579, Stop: 10184, Start Num: 4
Candidate Starts for Madruga_16:
(Start: 4 @9579 has 6 MA's), (5, 9600), (6, 9624), (7, 9639), (14, 9726), (15, 9735), (26, 9984), (27, 10017), (30, 10122),

Gene: Megatron06_12 Start: 7270, Stop: 8043, Start Num: 1
Candidate Starts for Megatron06_12:
(Start: 1 @7270 has 11 MA's), (8, 7474), (9, 7498), (12, 7507), (14, 7567), (21, 7675), (22, 7723), (24, 7786), (30, 7969),

Gene: Nish23_11 Start: 6735, Stop: 7508, Start Num: 1
Candidate Starts for Nish23_11:
(Start: 1 @6735 has 11 MA's), (8, 6939), (9, 6963), (12, 6972), (14, 7032), (21, 7140), (22, 7188), (24, 7251), (30, 7434),

Gene: Oaker_10 Start: 6991, Stop: 7764, Start Num: 1
Candidate Starts for Oaker_10:

(Start: 1 @6991 has 11 MA's), (8, 7195), (9, 7219), (12, 7228), (14, 7288), (17, 7354), (21, 7396), (22, 7444), (23, 7477), (24, 7507), (30, 7690),

Gene: Patience_18 Start: 10470, Stop: 11075, Start Num: 4
Candidate Starts for Patience_18:
(Start: 4 @10470 has 6 MA's), (5, 10491), (6, 10515), (7, 10530), (14, 10617), (15, 10626), (26, 10875), (30, 11013),

Gene: Phreeze_10 Start: 6735, Stop: 7508, Start Num: 1
Candidate Starts for Phreeze_10:
(Start: 1 @6735 has 11 MA's), (8, 6939), (9, 6963), (12, 6972), (14, 7032), (21, 7140), (22, 7188), (23, 7221), (24, 7251), (30, 7434),

Gene: Predator_14 Start: 8264, Stop: 9025, Start Num: 1
Candidate Starts for Predator_14:
(Start: 1 @8264 has 11 MA's), (3, 8360), (9, 8480), (12, 8489), (14, 8549), (15, 8558), (19, 8633), (21, 8657), (22, 8705), (25, 8792), (30, 8951),

Gene: Puissant_11 Start: 7154, Stop: 7927, Start Num: 1
Candidate Starts for Puissant_11:
(Start: 1 @7154 has 11 MA's), (2, 7241), (8, 7358), (9, 7382), (16, 7484), (17, 7517), (21, 7559), (22, 7607), (23, 7640), (24, 7670), (30, 7853),

Gene: SuperSonics_17 Start: 9637, Stop: 10242, Start Num: 4
Candidate Starts for SuperSonics_17:
(Start: 4 @9637 has 6 MA's), (5, 9658), (6, 9682), (7, 9697), (14, 9784), (15, 9793), (26, 10042), (29, 10159), (30, 10180),

Gene: Thumb_10 Start: 6736, Stop: 7509, Start Num: 1
Candidate Starts for Thumb_10:
(Start: 1 @6736 has 11 MA's), (8, 6940), (9, 6964), (12, 6973), (14, 7033), (21, 7141), (22, 7189), (23, 7222), (24, 7252), (30, 7435),