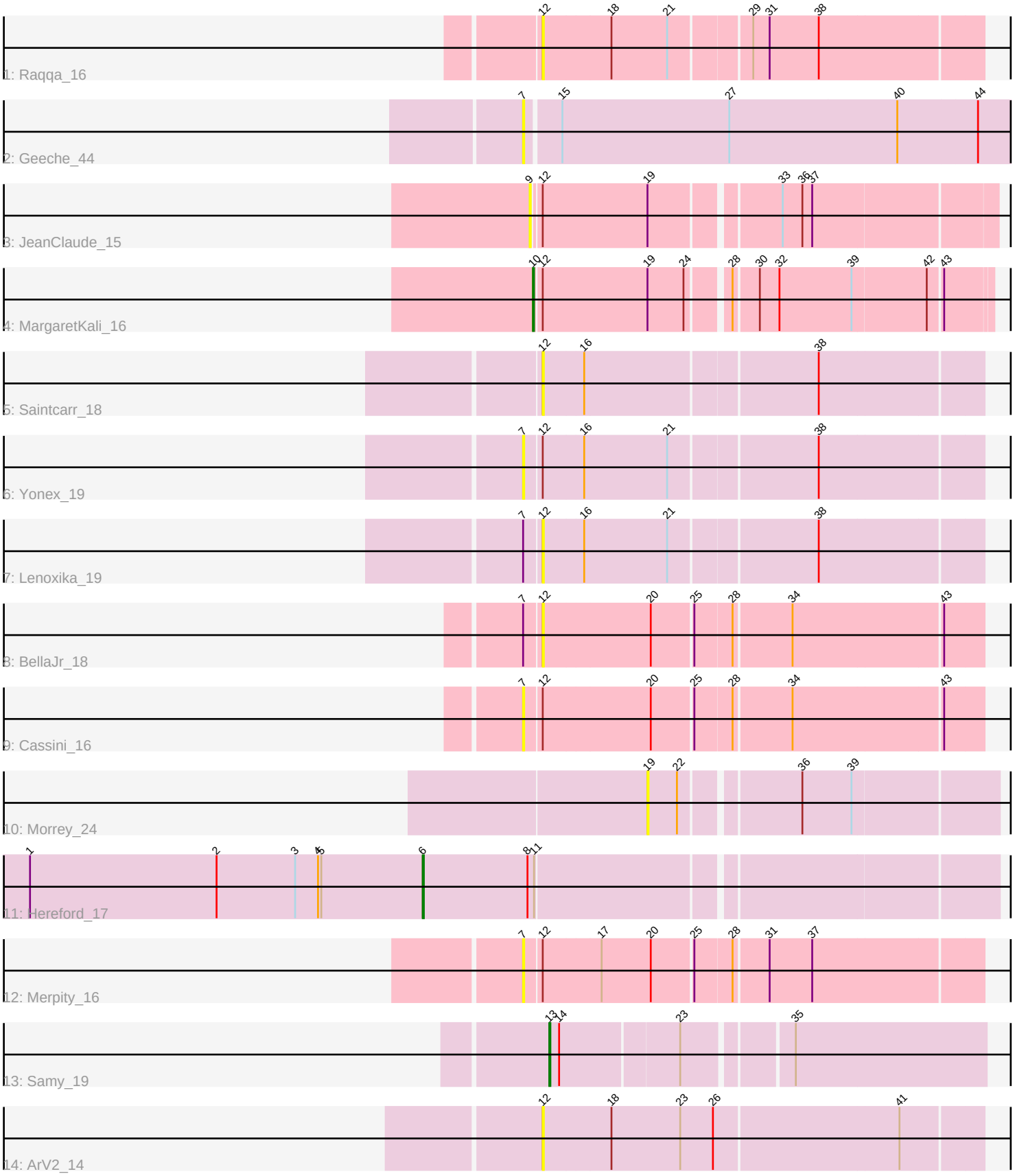
Pham 331378


1: Raqqa_16
2: Geeche_44
3: JeanClaude_15
4: MargaretKali_16
5: Saintcarr_18
6: Yonex_19
7: Lenoxika_19
8: BellaJr_18
9: Cassini_16
10: Morrey_24
11: Hereford_17
12: Merpity_16
13: Samy_19
14: ArV2_14

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 331378 Report

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

Pham number 331378 has 14 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Raqqa_16
• Track 2 : Geeche_44
• Track 3 : JeanClaude_15
• Track 4 : MargaretKali_16
• Track 5 : Saintcarr_18
• Track 6 : Yonex_19
• Track 7 : Lenoxika_19
• Track 8 : BellaJr_18
• Track 9 : Cassini_16
• Track 10 : Morrey_24
• Track 11 : Hereford_17
• Track 12 : Merpity_16
• Track 13 : Samy_19
• Track 14 : ArV2_14

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hereford_17,

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

Genes that do not have the "Most Annotated" start:
• ArV2_14, BellaJr_18, Cassini_16, Geeche_44, JeanClaude_15, Lenoxika_19, MargaretKali_16, Merpity_16, Morrey_24, Raqqa_16, Saintcarr_18, Samy_19, Yonex_19,

Summary by start number:

Start 6:

• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hereford_17 (FO),

Start 7:
• Found in 6 of 14 (42.9%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Cassini_16 (FN), Geeche_44 (CQ1), Merpity_16 (FQ1), Yonex_19 (FF),

Start 9:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JeanClaude_15 (FB),

Start 10:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MargaretKali_16 (FB),

Start 12:
• Found in 10 of 14 (71.4%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ArV2_14 (singleton), BellaJr_18 (FN), Lenoxika_19 (FF), Raqqa_16 (AY), Saintcarr_18 (FF),

Start 13:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Samy_19 (singleton),

Start 19:
• Found in 3 of 14 (21.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Morrey_24 (FO),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, FB, FF, AY, CQ1, FQ1, FN, FO,

Info for manual annotations of cluster FB:
•Start number 10 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:
•Start number 6 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: ArV2_14 Start: 8743, Stop: 9132, Start Num: 12
Candidate Starts for ArV2_14:
(12, 8743), (18, 8803), (23, 8866), (26, 8896), (41, 9061),

Gene: BellaJr_18 Start: 10605, Stop: 10988, Start Num: 12
Candidate Starts for BellaJr_18:
(7, 10590), (12, 10605), (20, 10701), (25, 10737), (28, 10770), (34, 10821), (43, 10953),

Gene: Cassini_16 Start: 9553, Stop: 9951, Start Num: 7
Candidate Starts for Cassini_16:
(7, 9553), (12, 9568), (20, 9664), (25, 9700), (28, 9733), (34, 9784), (43, 9916),

Gene: Geeche_44 Start: 19243, Stop: 19710, Start Num: 7
Candidate Starts for Geeche_44:
(7, 19243), (15, 19273), (27, 19426), (40, 19579), (44, 19651),

Gene: Hereford_17 Start: 10591, Stop: 11093, Start Num: 6
Candidate Starts for Hereford_17:
(1, 10231), (2, 10402), (3, 10474), (4, 10495), (5, 10498), (Start: 6 @10591 has 1 MA's), (8, 10687), (11, 10693),

Gene: JeanClaude_15 Start: 9270, Stop: 9668, Start Num: 9
Candidate Starts for JeanClaude_15:
(9, 9270), (12, 9276), (19, 9372), (33, 9480), (36, 9498), (37, 9507),

Gene: Lenoxika_19 Start: 10582, Stop: 10965, Start Num: 12
Candidate Starts for Lenoxika_19:
(7, 10567), (12, 10582), (16, 10618), (21, 10693), (38, 10822),

Gene: MargaretKali_16 Start: 9858, Stop: 10250, Start Num: 10
Candidate Starts for MargaretKali_16:
(Start: 10 @9858 has 1 MA's), (12, 9864), (19, 9960), (24, 9993), (28, 10026), (30, 10047), (32, 10065), (39, 10131), (42, 10197), (43, 10209),

Gene: Merpity_16 Start: 8327, Stop: 8725, Start Num: 7
Candidate Starts for Merpity_16:
(7, 8327), (12, 8342), (17, 8393), (20, 8438), (25, 8474), (28, 8507), (31, 8537), (37, 8576),

Gene: Morrey_24 Start: 10672, Stop: 10971, Start Num: 19
Candidate Starts for Morrey_24:
(19, 10672), (22, 10699), (36, 10798), (39, 10843),

Gene: Raqqa_16 Start: 9512, Stop: 9895, Start Num: 12

Candidate Starts for Raqqa_16:
(12, 9512), (18, 9572), (21, 9623), (29, 9692), (31, 9707), (38, 9752),

Gene: Saintcarr_18 Start: 10603, Stop: 10986, Start Num: 12
Candidate Starts for Saintcarr_18:
(12, 10603), (16, 10639), (38, 10843),

Gene: Samy_19 Start: 10996, Stop: 11373, Start Num: 13
Candidate Starts for Samy_19:
(Start: 13 @10996 has 1 MA's), (14, 11005), (23, 11110), (35, 11200),

Gene: Yonex_19 Start: 10711, Stop: 11109, Start Num: 7
Candidate Starts for Yonex_19:
(7, 10711), (12, 10726), (16, 10762), (21, 10837), (38, 10966),