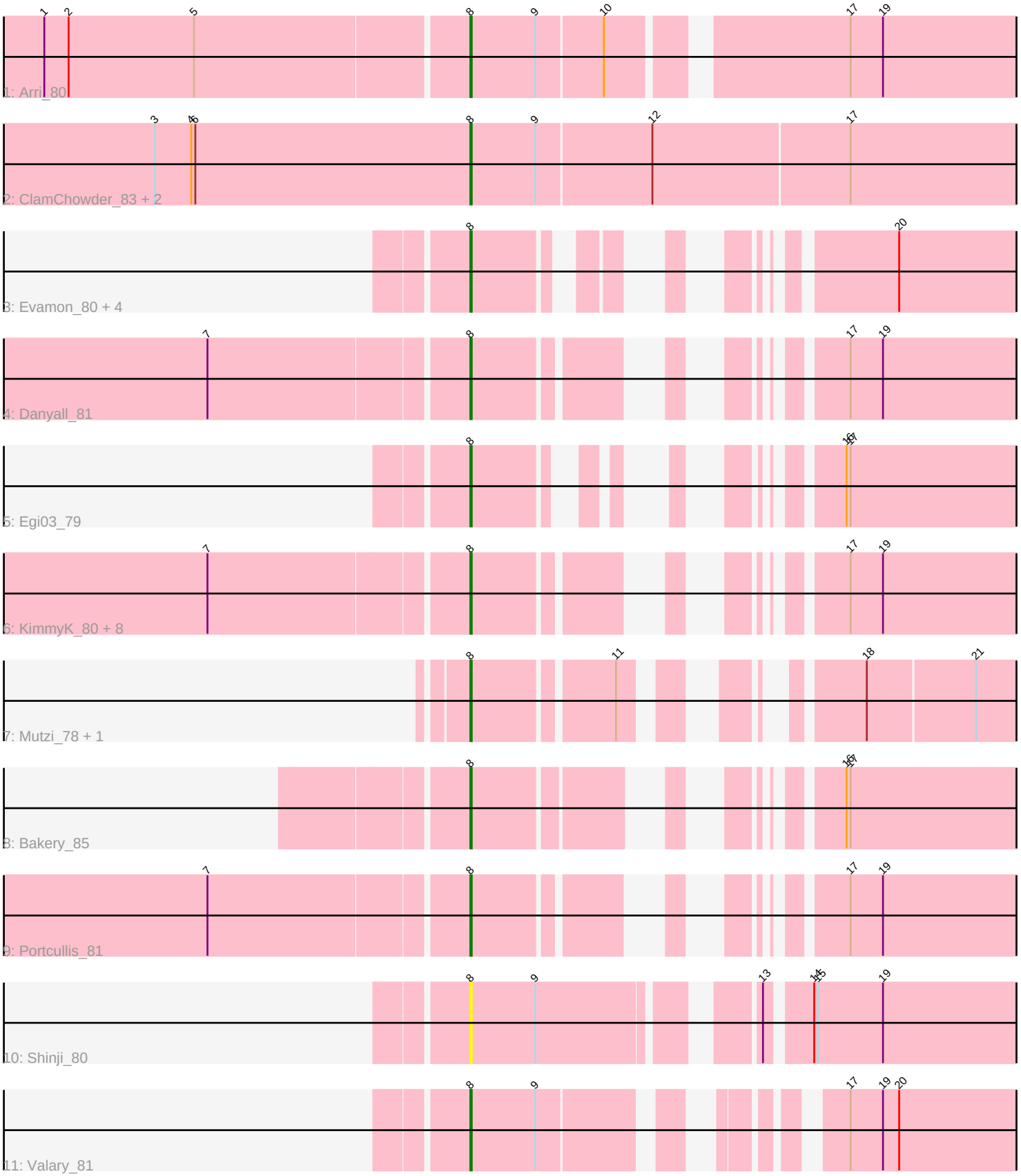
Pham 291459


1
2
5
8
9
10
17
19
1: Arri_80
3
4
6
8
9
12
17
2: ClamChowder_83 + 2
8
20
3: Evamon_80 + 4
7
8
17
19
4: Danyall_81
8
16
17
5: Egi03_79
7
8
17
19
6: KimmyK_80 + 8
8
11
18
21
7: Mutzi_78 + 1
8
16
17
8: Bakery_85
7
8
17
19
9: Portcullis_81
8
9
13
14
15
19
10: Shinji_80
8
9
17
19
20
11: Valary_81

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 291459 Report

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

Pham number 291459 has 26 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Arri_80
• Track 2 : ClamChowder_83, Barb_83, Fugax_84
• Track 3 : Evamon_80, Twister6_81, SmokingBunny_81, Togo_80, Salvador_80
• Track 4 : Danyall_81
• Track 5 : Egi03_79
• Track 6 : KimmyK_80, Halo3_78, Gezellig_77, CherryCola_81, PullumCavea_79, RogerDodger_84, Phlop_78, CoveyB_81, Wizard_77
• Track 7 : Mutzi_78, YungMoney_79
• Track 8 : Bakery_85
• Track 9 : Portcullis_81
• Track 10 : Shinji_80
• Track 11 : Valary_81

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

The start number called the most often in the published annotations is 8, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_80, Bakery_85, Barb_83, CherryCola_81, ClamChowder_83, CoveyB_81, Danyall_81, Egi03_79, Evamon_80, Fugax_84, Gezellig_77, Halo3_78, KimmyK_80, Mutzi_78, Phlop_78, Portcullis_81, PullumCavea_79, RogerDodger_84, Salvador_80, Shinji_80, SmokingBunny_81, Togo_80, Twister6_81, Valary_81, Wizard_77, YungMoney_79,

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

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

Summary by start number:

Start 8:

• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_80 (DC1), Bakery_85 (DC1), Barb_83 (DC1), CherryCola_81 (DC1), ClamChowder_83 (DC1), CoveyB_81 (DC1), Danyall_81 (DC1), Egi03_79 (DC1), Evamon_80 (DC1), Fugax_84 (DC1), Gezellig_77 (DC1), Halo3_78 (DC1), KimmyK_80 (DC1), Mutzi_78 (DC1), Phlop_78 (DC1), Portcullis_81 (DC1), PullumCavea_79 (DC1), RogerDodger_84 (DC1), Salvador_80 (DC1), Shinji_80 (DC1), SmokingBunny_81 (DC1), Togo_80 (DC1), Twister6_81 (DC1), Valary_81 (DC1), Wizard_77 (DC1), YungMoney_79 (DC1),

Summary by clusters:

There is one cluster represented in this pham: DC1

Info for manual annotations of cluster DC1:
•Start number 8 was manually annotated 24 times for cluster DC1.

Gene Information:

Gene: Arri_80 Start: 52921, Stop: 53367, Start Num: 8
Candidate Starts for Arri_80:
(1, 52615), (2, 52633), (5, 52726), (Start: 8 @52921 has 24 MA's), (9, 52969), (10, 53017), (17, 53173), (19, 53197),

Gene: Bakery_85 Start: 55359, Stop: 55733, Start Num: 8
Candidate Starts for Bakery_85:
(Start: 8 @55359 has 24 MA's), (16, 55536), (17, 55539),

Gene: Barb_83 Start: 53513, Stop: 53983, Start Num: 8
Candidate Starts for Barb_83:
(3, 53279), (4, 53306), (6, 53309), (Start: 8 @53513 has 24 MA's), (9, 53561), (12, 53645), (17, 53789),

Gene: CherryCola_81 Start: 53607, Stop: 53978, Start Num: 8
Candidate Starts for CherryCola_81:
(7, 53424), (Start: 8 @53607 has 24 MA's), (17, 53784), (19, 53808),

Gene: ClamChowder_83 Start: 53513, Stop: 53983, Start Num: 8
Candidate Starts for ClamChowder_83:
(3, 53279), (4, 53306), (6, 53309), (Start: 8 @53513 has 24 MA's), (9, 53561), (12, 53645), (17, 53789),

Gene: CoveyB_81 Start: 53099, Stop: 53470, Start Num: 8
Candidate Starts for CoveyB_81:
(7, 52916), (Start: 8 @53099 has 24 MA's), (17, 53276), (19, 53300),

Gene: Danyall_81 Start: 52793, Stop: 53164, Start Num: 8
Candidate Starts for Danyall_81:
(7, 52610), (Start: 8 @52793 has 24 MA's), (17, 52970), (19, 52994),

Gene: Egi03_79 Start: 52659, Stop: 53000, Start Num: 8
Candidate Starts for Egi03_79:

(Start: 8 @52659 has 24 MA's), (16, 52803), (17, 52806),

Gene: Evamon_80 Start: 53024, Stop: 53377, Start Num: 8
Candidate Starts for Evamon_80:
(Start: 8 @53024 has 24 MA's), (20, 53219),

Gene: Fugax_84 Start: 53505, Stop: 53975, Start Num: 8
Candidate Starts for Fugax_84:
(3, 53271), (4, 53298), (6, 53301), (Start: 8 @53505 has 24 MA's), (9, 53553), (12, 53637), (17, 53781),

Gene: Gezellig_77 Start: 52852, Stop: 53223, Start Num: 8
Candidate Starts for Gezellig_77:
(7, 52669), (Start: 8 @52852 has 24 MA's), (17, 53029), (19, 53053),

Gene: Halo3_78 Start: 53437, Stop: 53808, Start Num: 8
Candidate Starts for Halo3_78:
(7, 53254), (Start: 8 @53437 has 24 MA's), (17, 53614), (19, 53638),

Gene: KimmyK_80 Start: 53299, Stop: 53670, Start Num: 8
Candidate Starts for KimmyK_80:
(7, 53116), (Start: 8 @53299 has 24 MA's), (17, 53476), (19, 53500),

Gene: Mutzi_78 Start: 53560, Stop: 53943, Start Num: 8
Candidate Starts for Mutzi_78:
(Start: 8 @53560 has 24 MA's), (11, 53656), (18, 53764), (21, 53842),

Gene: Phlop_78 Start: 52902, Stop: 53273, Start Num: 8
Candidate Starts for Phlop_78:
(7, 52719), (Start: 8 @52902 has 24 MA's), (17, 53079), (19, 53103),

Gene: Portcullis_81 Start: 52908, Stop: 53279, Start Num: 8
Candidate Starts for Portcullis_81:
(7, 52725), (Start: 8 @52908 has 24 MA's), (17, 53085), (19, 53109),

Gene: PullumCavea_79 Start: 53079, Stop: 53450, Start Num: 8
Candidate Starts for PullumCavea_79:
(7, 52896), (Start: 8 @53079 has 24 MA's), (17, 53256), (19, 53280),

Gene: RogerDodger_84 Start: 53667, Stop: 54038, Start Num: 8
Candidate Starts for RogerDodger_84:
(7, 53484), (Start: 8 @53667 has 24 MA's), (17, 53844), (19, 53868),

Gene: Salvador_80 Start: 53022, Stop: 53375, Start Num: 8
Candidate Starts for Salvador_80:
(Start: 8 @53022 has 24 MA's), (20, 53217),

Gene: Shinji_80 Start: 53025, Stop: 53456, Start Num: 8
Candidate Starts for Shinji_80:
(Start: 8 @53025 has 24 MA's), (9, 53073), (13, 53208), (14, 53235), (15, 53238), (19, 53286),

Gene: SmokingBunny_81 Start: 54018, Stop: 54371, Start Num: 8
Candidate Starts for SmokingBunny_81:
(Start: 8 @54018 has 24 MA's), (20, 54213),

Gene: Togo_80 Start: 54018, Stop: 54371, Start Num: 8
Candidate Starts for Togo_80:
(Start: 8 @54018 has 24 MA's), (20, 54213),

Gene: Twister6_81 Start: 52367, Stop: 52720, Start Num: 8
Candidate Starts for Twister6_81:
(Start: 8 @52367 has 24 MA's), (20, 52562),

Gene: Valary_81 Start: 53764, Stop: 54165, Start Num: 8
Candidate Starts for Valary_81:
(Start: 8 @53764 has 24 MA's), (9, 53812), (17, 53971), (19, 53995), (20, 54007),

Gene: Wizard_77 Start: 52852, Stop: 53223, Start Num: 8
Candidate Starts for Wizard_77:
(7, 52669), (Start: 8 @52852 has 24 MA's), (17, 53029), (19, 53053),

Gene: YungMoney_79 Start: 54400, Stop: 54783, Start Num: 8
Candidate Starts for YungMoney_79:
(Start: 8 @54400 has 24 MA's), (11, 54496), (18, 54604), (21, 54682),