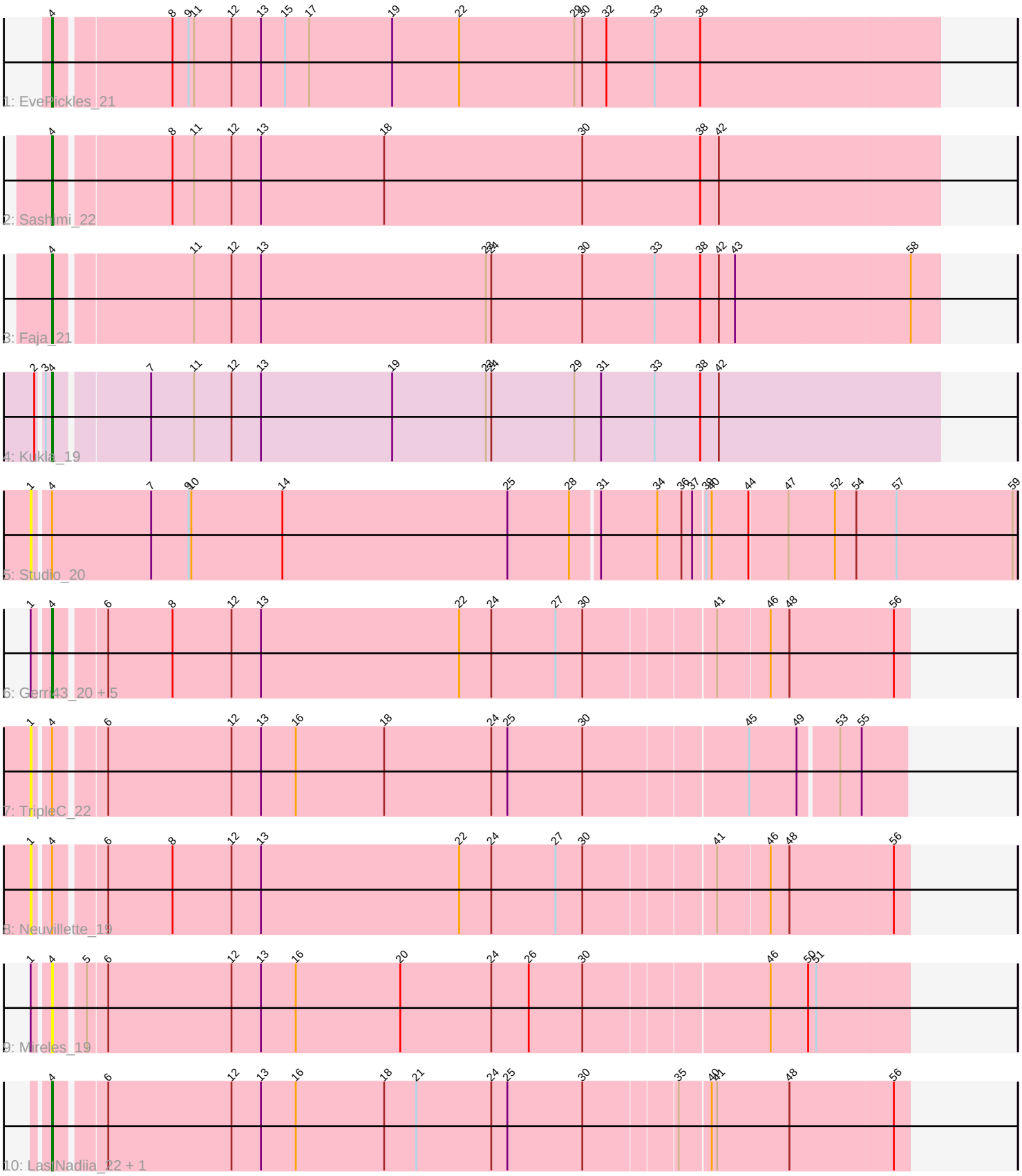
Pham 291635


1: EvePickles_21
2: Sashimi_22
3: Faja_21
4: Kukla_19
5: Studio_20
6: Gerri43_20 + 5
7: TripleC_22
8: Neuvillette_19
9: Mireles_19
10: LastNadiia_22 + 1

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 291635 Report

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

Pham number 291635 has 16 members, 10 are drafts.

Phages represented in each track:
• Track 1 : EvePickles_21
• Track 2 : Sashimi_22
• Track 3 : Faja_21
• Track 4 : Kukla_19
• Track 5 : Studio_20
• Track 6 : Gerri43_20, ChipsNGuac_20, AnnabelLee_19, Roberts_19, ChamoyPickle_20, CardboardBox_20
• Track 7 : TripleC_22
• Track 8 : Neuvillette_19
• Track 9 : Mireles_19
• Track 10 : LastNadiia_22, Audell_22

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnnabelLee_19, Audell_22, CardboardBox_20, ChamoyPickle_20, ChipsNGuac_20, EvePickles_21, Faja_21, Gerri43_20, Kukla_19, LastNadiia_22, Mireles_19, Roberts_19, Sashimi_22,

Genes that have the "Most Annotated" start but do not call it:
• Neuvillette_19, Studio_20, TripleC_22,

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

Summary by start number:

Start 1:
• Found in 10 of 16 (62.5%) of genes in pham
• No Manual Annotations of this start.
• Called 30.0% of time when present

• Phage (with cluster) where this start called: Neuvillette_19 (FR), Studio_20 (FR), TripleC_22 (FR),

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 81.2% of time when present
• Phage (with cluster) where this start called: AnnabelLee_19 (FR), Audell_22 (FR), CardboardBox_20 (FR), ChamoyPickle_20 (FR), ChipsNGuac_20 (FR), EvePickles_21 (AY), Faja_21 (AY), Gerri43_20 (FR), Kukla_19 (FJ), LastNadiia_22 (FR), Mireles_19 (FR), Roberts_19 (FR), Sashimi_22 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FJ, FR,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FJ:
•Start number 4 was manually annotated 1 time for cluster FJ.

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

Gene Information:

Gene: AnnabelLee_19 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for AnnabelLee_19:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: Audell_22 Start: 16138, Stop: 17070, Start Num: 4
Candidate Starts for Audell_22:
(Start: 4 @16138 has 6 MA's), (6, 16189), (12, 16327), (13, 16360), (16, 16399), (18, 16498), (21, 16534), (24, 16618), (25, 16636), (30, 16720), (35, 16819), (40, 16852), (41, 16858), (48, 16939), (56, 17053),

Gene: CardboardBox_20 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for CardboardBox_20:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: ChamoyPickle_20 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for ChamoyPickle_20:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: ChipsNGuac_20 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for ChipsNGuac_20:

(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: EvePickles_21 Start: 16081, Stop: 17058, Start Num: 4
Candidate Starts for EvePickles_21:
(Start: 4 @16081 has 6 MA's), (8, 16204), (9, 16222), (11, 16228), (12, 16270), (13, 16303), (15, 16330), (17, 16357), (19, 16450), (22, 16525), (29, 16654), (30, 16663), (32, 16690), (33, 16744), (38, 16795),

Gene: Faja_21 Start: 15977, Stop: 16954, Start Num: 4
Candidate Starts for Faja_21:
(Start: 4 @15977 has 6 MA's), (11, 16124), (12, 16166), (13, 16199), (23, 16451), (24, 16457), (30, 16559), (33, 16640), (38, 16691), (42, 16712), (43, 16730), (58, 16922),

Gene: Gerri43_20 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for Gerri43_20:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: Kukla_19 Start: 15456, Stop: 16433, Start Num: 4
Candidate Starts for Kukla_19:
(2, 15444), (3, 15450), (Start: 4 @15456 has 6 MA's), (7, 15555), (11, 15603), (12, 15645), (13, 15678), (19, 15825), (23, 15930), (24, 15936), (29, 16029), (31, 16059), (33, 16119), (38, 16170), (42, 16191),

Gene: LastNadiia_22 Start: 15090, Stop: 16022, Start Num: 4
Candidate Starts for LastNadiia_22:
(Start: 4 @15090 has 6 MA's), (6, 15141), (12, 15279), (13, 15312), (16, 15351), (18, 15450), (21, 15486), (24, 15570), (25, 15588), (30, 15672), (35, 15771), (40, 15804), (41, 15810), (48, 15891), (56, 16005),

Gene: Mireles_19 Start: 12581, Stop: 13513, Start Num: 4
Candidate Starts for Mireles_19:
(1, 12566), (Start: 4 @12581 has 6 MA's), (5, 12611), (6, 12632), (12, 12770), (13, 12803), (16, 12842), (20, 12959), (24, 13061), (26, 13103), (30, 13163), (46, 13361), (50, 13403), (51, 13412),

Gene: Neuvillette_19 Start: 12802, Stop: 13746, Start Num: 1
Candidate Starts for Neuvillette_19:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: Roberts_19 Start: 12817, Stop: 13746, Start Num: 4
Candidate Starts for Roberts_19:
(1, 12802), (Start: 4 @12817 has 6 MA's), (6, 12868), (8, 12940), (12, 13006), (13, 13039), (22, 13261), (24, 13297), (27, 13369), (30, 13399), (41, 13537), (46, 13594), (48, 13615), (56, 13729),

Gene: Sashimi_22 Start: 16083, Stop: 17060, Start Num: 4
Candidate Starts for Sashimi_22:
(Start: 4 @16083 has 6 MA's), (8, 16206), (11, 16230), (12, 16272), (13, 16305), (18, 16443), (30, 16665), (38, 16797), (42, 16818),

Gene: Studio_20 Start: 12565, Stop: 13644, Start Num: 1
Candidate Starts for Studio_20:

(1, 12565), (Start: 4 @12580 has 6 MA's), (7, 12691), (9, 12733), (10, 12736), (14, 12838), (25, 13090), (28, 13159), (31, 13189), (34, 13252), (36, 13279), (37, 13291), (39, 13303), (40, 13309), (44, 13348), (47, 13390), (52, 13441), (54, 13465), (57, 13510), (59, 13639),

Gene: TripleC_22 Start: 16158, Stop: 17096, Start Num: 1
Candidate Starts for TripleC_22:
(1, 16158), (Start: 4 @16173 has 6 MA's), (6, 16224), (12, 16362), (13, 16395), (16, 16434), (18, 16533), (24, 16653), (25, 16671), (30, 16755), (45, 16932), (49, 16983), (53, 17025), (55, 17049),