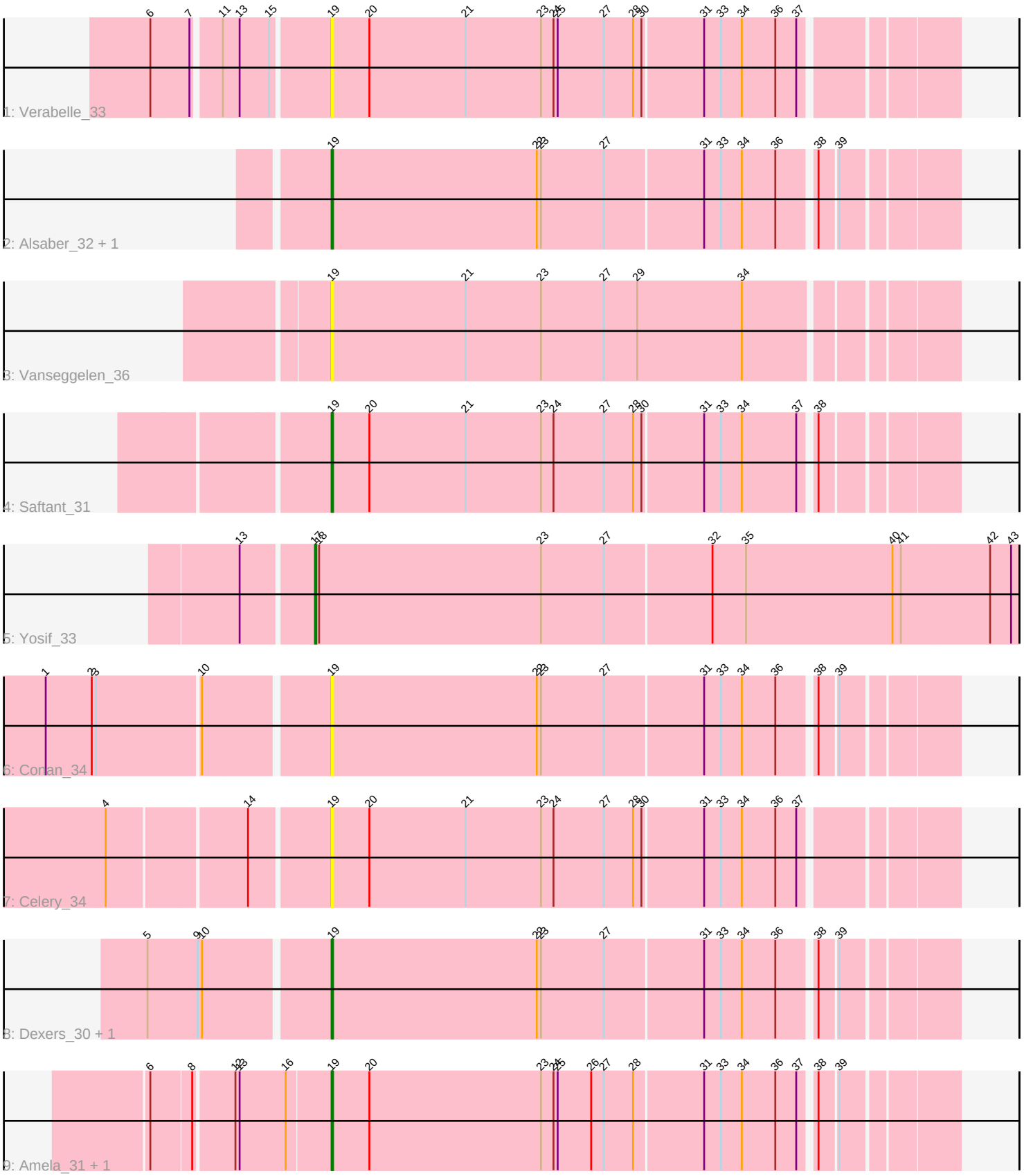
Pham 158317


1: Verabelle_33
2: Alsaber_32 + 1
3: Vanseggelen_36
4: Saftant_31
5: Yosif_33
6: Conan_34
7: Celery_34
8: Dexers_30 + 1
9: Amela_31 + 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 158317 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158317 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Verabelle_33
• Track 2 : Alsaber_32, ElGato_33
• Track 3 : Vanseggelen_36
• Track 4 : Saftant_31
• Track 5 : Yosif_33
• Track 6 : Conan_34
• Track 7 : Celery_34
• Track 8 : Dexers_30, Provolone_32
• Track 9 : Amela_31, Verse_31

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

The start number called the most often in the published annotations is 19, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_32, Amela_31, Celery_34, Conan_34, Dexers_30, ElGato_33, Provolone_32, Saftant_31, Vanseggelen_36, Verabelle_33, Verse_31,

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

Genes that do not have the "Most Annotated" start:
• Yosif_33,

Summary by start number:

Start 17:
• 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: Yosif_33 (BD3),

Start 19:

• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alsaber_32 (BD3), Amela_31 (BD3), Celery_34 (BD3), Conan_34 (BD3), Dexers_30 (BD3), ElGato_33 (BD3), Provolone_32 (BD3), Saftant_31 (BD3), Vanseggelen_36 (BD3), Verabelle_33 (BD3), Verse_31 (BD3),

Summary by clusters:

There is one cluster represented in this pham: BD3

Info for manual annotations of cluster BD3:
•Start number 17 was manually annotated 1 time for cluster BD3.
•Start number 19 was manually annotated 6 times for cluster BD3.

Gene Information:

Gene: Alsaber_32 Start: 25015, Stop: 25443, Start Num: 19
Candidate Starts for Alsaber_32:
(Start: 19 @25015 has 6 MA's), (22, 25162), (23, 25165), (27, 25210), (31, 25279), (33, 25291), (34, 25306), (36, 25330), (38, 25354), (39, 25366),

Gene: Amela_31 Start: 25848, Stop: 26276, Start Num: 19
Candidate Starts for Amela_31:
(6, 25728), (8, 25755), (12, 25782), (13, 25785), (16, 25818), (Start: 19 @25848 has 6 MA's), (20, 25875), (23, 25998), (24, 26007), (25, 26010), (26, 26034), (27, 26043), (28, 26064), (31, 26112), (33, 26124), (34, 26139), (36, 26163), (37, 26178), (38, 26187), (39, 26199),

Gene: Celery_34 Start: 24947, Stop: 25378, Start Num: 19
Candidate Starts for Celery_34:
(4, 24800), (14, 24893), (Start: 19 @24947 has 6 MA's), (20, 24974), (21, 25043), (23, 25097), (24, 25106), (27, 25142), (28, 25163), (30, 25169), (31, 25211), (33, 25223), (34, 25238), (36, 25262), (37, 25277),

Gene: Conan_34 Start: 24911, Stop: 25339, Start Num: 19
Candidate Starts for Conan_34:
(1, 24719), (2, 24752), (3, 24755), (10, 24827), (Start: 19 @24911 has 6 MA's), (22, 25058), (23, 25061), (27, 25106), (31, 25175), (33, 25187), (34, 25202), (36, 25226), (38, 25250), (39, 25262),

Gene: Dexers_30 Start: 24937, Stop: 25365, Start Num: 19
Candidate Starts for Dexers_30:
(5, 24814), (9, 24850), (10, 24853), (Start: 19 @24937 has 6 MA's), (22, 25084), (23, 25087), (27, 25132), (31, 25201), (33, 25213), (34, 25228), (36, 25252), (38, 25276), (39, 25288),

Gene: ElGato_33 Start: 24575, Stop: 25003, Start Num: 19
Candidate Starts for ElGato_33:
(Start: 19 @24575 has 6 MA's), (22, 24722), (23, 24725), (27, 24770), (31, 24839), (33, 24851), (34, 24866), (36, 24890), (38, 24914), (39, 24926),

Gene: Provolone_32 Start: 24566, Stop: 24994, Start Num: 19

Candidate Starts for Provolone_32:
(5, 24443), (9, 24479), (10, 24482), (Start: 19 @24566 has 6 MA's), (22, 24713), (23, 24716), (27, 24761), (31, 24830), (33, 24842), (34, 24857), (36, 24881), (38, 24905), (39, 24917),

Gene: Saftant_31 Start: 25130, Stop: 25558, Start Num: 19
Candidate Starts for Saftant_31:
(Start: 19 @25130 has 6 MA's), (20, 25157), (21, 25226), (23, 25280), (24, 25289), (27, 25325), (28, 25346), (30, 25352), (31, 25394), (33, 25406), (34, 25421), (37, 25460), (38, 25469),

Gene: Vanseggelen_36 Start: 24694, Stop: 25125, Start Num: 19
Candidate Starts for Vanseggelen_36:
(Start: 19 @24694 has 6 MA's), (21, 24790), (23, 24844), (27, 24889), (29, 24913), (34, 24988),

Gene: Verabelle_33 Start: 25098, Stop: 25529, Start Num: 19
Candidate Starts for Verabelle_33:
(6, 24981), (7, 25008), (11, 25026), (13, 25038), (15, 25059), (Start: 19 @25098 has 6 MA's), (20, 25125), (21, 25194), (23, 25248), (24, 25257), (25, 25260), (27, 25293), (28, 25314), (30, 25320), (31, 25362), (33, 25374), (34, 25389), (36, 25413), (37, 25428),

Gene: Verse_31 Start: 25842, Stop: 26270, Start Num: 19
Candidate Starts for Verse_31:
(6, 25722), (8, 25749), (12, 25776), (13, 25779), (16, 25812), (Start: 19 @25842 has 6 MA's), (20, 25869), (23, 25992), (24, 26001), (25, 26004), (26, 26028), (27, 26037), (28, 26058), (31, 26106), (33, 26118), (34, 26133), (36, 26157), (37, 26172), (38, 26181), (39, 26193),

Gene: Yosif_33 Start: 25462, Stop: 25962, Start Num: 17
Candidate Starts for Yosif_33:
(13, 25414), (Start: 17 @25462 has 1 MA's), (18, 25465), (23, 25624), (27, 25669), (32, 25744), (35, 25768), (40, 25873), (41, 25879), (42, 25942), (43, 25957),