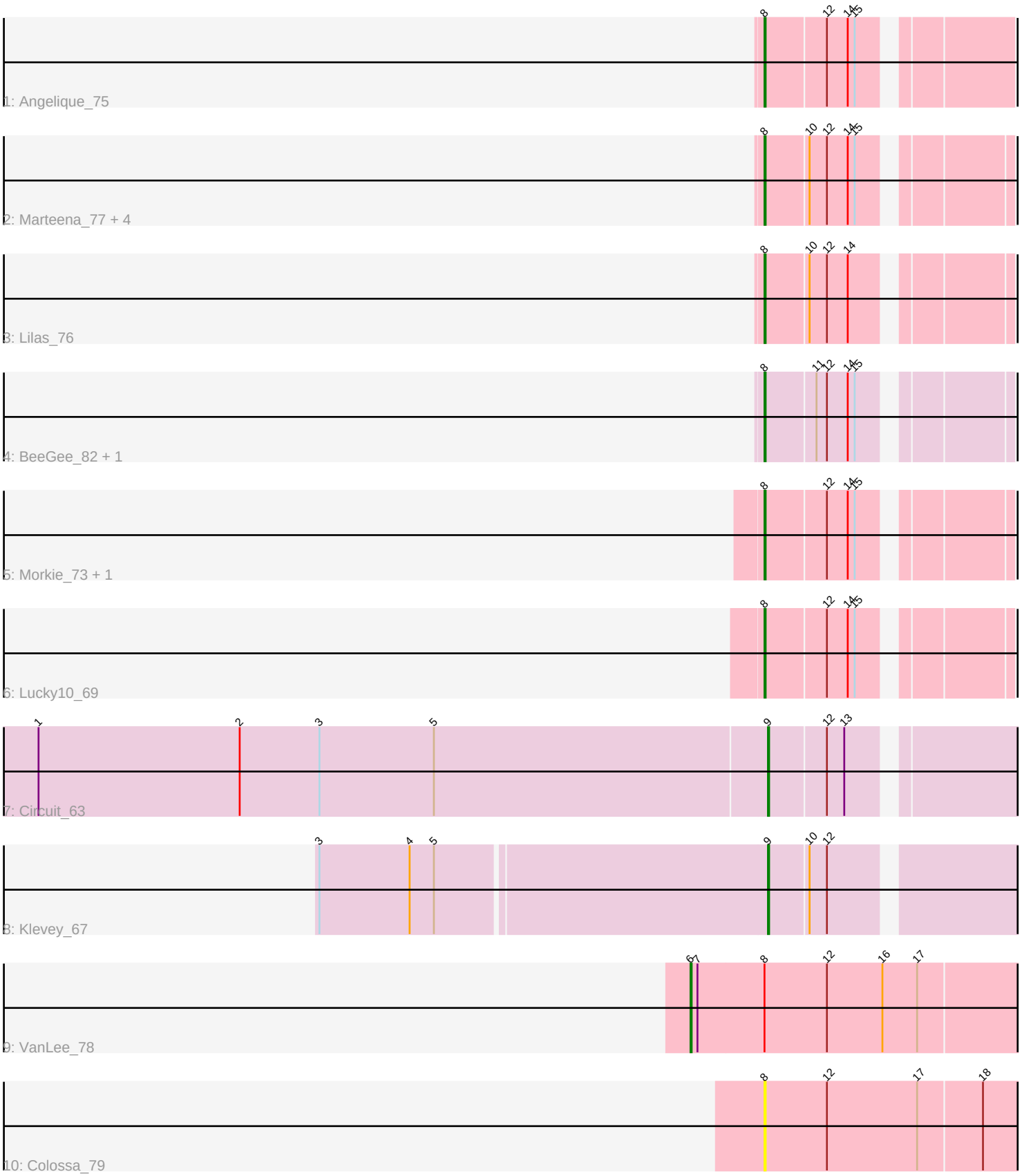
Pham 241181


8
12
14
15
1: Angelique_75
8
10
12
14
15
2: Marteena_77 + 4
8
10
12
14
3: Lilas_76
8
11
12
14
15
4: BeeGee_82 + 1
8
12
14
15
5: Morkie_73 + 1
8
12
14
15
6: Lucky10_69
1
2
3
5
9
12
13
7: Circuit_63
3
4
5
9
10
12
8: Klevey_67
67
8
12
16
17
9: VanLee_78
8
12
17
18
10: Colossa_79

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 241181 Report

This analysis was run 02/07/26 on database version 634.

Pham number 241181 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Angelique_75
• Track 2 : Marteena_77, EMsquaredA_79, Pollux_81, Floral_79, EnalisNailo_75
• Track 3 : Lilas_76
• Track 4 : BeeGee_82, Confidence_79
• Track 5 : Morkie_73, PhorbesPhlower_71
• Track 6 : Lucky10_69
• Track 7 : Circuit_63
• Track 8 : Klevey_67
• Track 9 : VanLee_78
• Track 10 : Colossa_79

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Angelique_75, BeeGee_82, Colossa_79, Confidence_79, EMsquaredA_79, EnalisNailo_75, Floral_79, Lilas_76, Lucky10_69, Marteena_77, Morkie_73, PhorbesPhlower_71, Pollux_81,

Genes that have the "Most Annotated" start but do not call it:
• VanLee_78,

Genes that do not have the "Most Annotated" start:
• Circuit_63, Klevey_67,

Summary by start number:

Start 6:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VanLee_78 (KA),

Start 8:
• Found in 14 of 16 (87.5%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Angelique_75 (CY1), BeeGee_82 (CY5), Colossa_79 (KA), Confidence_79 (CY1), EMsquaredA_79 (CY1), EnalisNailo_75 (CY1), Floral_79 (CY1), Lilas_76 (CY1), Lucky10_69 (DH), Marteena_77 (CY1), Morkie_73 (DH), PhorbesPhlower_71 (DH), Pollux_81 (CY1),

Start 9:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Circuit_63 (FH), Klevey_67 (FH),

Summary by clusters:

There are 5 clusters represented in this pham: KA, FH, CY1, DH, CY5,

Info for manual annotations of cluster CY1:
•Start number 8 was manually annotated 8 times for cluster CY1.

Info for manual annotations of cluster CY5:
•Start number 8 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster DH:
•Start number 8 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster FH:
•Start number 9 was manually annotated 2 times for cluster FH.

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

Gene Information:

Gene: Angelique_75 Start: 50440, Stop: 50628, Start Num: 8
Candidate Starts for Angelique_75:
(Start: 8 @50440 has 12 MA's), (12, 50491), (14, 50509), (15, 50515),

Gene: BeeGee_82 Start: 51236, Stop: 51421, Start Num: 8
Candidate Starts for BeeGee_82:
(Start: 8 @51236 has 12 MA's), (11, 51278), (12, 51287), (14, 51305), (15, 51311),

Gene: Circuit_63 Start: 42120, Stop: 42314, Start Num: 9
Candidate Starts for Circuit_63:
(1, 41493), (2, 41667), (3, 41736), (5, 41835), (Start: 9 @42120 has 2 MA's), (12, 42168), (13, 42183),

Gene: Colossa_79 Start: 44980, Stop: 45240, Start Num: 8
Candidate Starts for Colossa_79:

(Start: 8 @44980 has 12 MA's), (12, 45034), (17, 45112), (18, 45166),

Gene: Confidence_79 Start: 50116, Stop: 50301, Start Num: 8
Candidate Starts for Confidence_79:
(Start: 8 @50116 has 12 MA's), (11, 50158), (12, 50167), (14, 50185), (15, 50191),

Gene: EMsquaredA_79 Start: 49986, Stop: 50171, Start Num: 8
Candidate Starts for EMsquaredA_79:
(Start: 8 @49986 has 12 MA's), (10, 50022), (12, 50037), (14, 50055), (15, 50061),

Gene: EnalisNailo_75 Start: 50486, Stop: 50671, Start Num: 8
Candidate Starts for EnalisNailo_75:
(Start: 8 @50486 has 12 MA's), (10, 50522), (12, 50537), (14, 50555), (15, 50561),

Gene: Floral_79 Start: 51943, Stop: 52128, Start Num: 8
Candidate Starts for Floral_79:
(Start: 8 @51943 has 12 MA's), (10, 51979), (12, 51994), (14, 52012), (15, 52018),

Gene: Klevey_67 Start: 42643, Stop: 42840, Start Num: 9
Candidate Starts for Klevey_67:
(3, 42265), (4, 42343), (5, 42364), (Start: 9 @42643 has 2 MA's), (10, 42676), (12, 42691),

Gene: Lilas_76 Start: 52024, Stop: 52209, Start Num: 8
Candidate Starts for Lilas_76:
(Start: 8 @52024 has 12 MA's), (10, 52060), (12, 52075), (14, 52093),

Gene: Lucky10_69 Start: 42410, Stop: 42595, Start Num: 8
Candidate Starts for Lucky10_69:
(Start: 8 @42410 has 12 MA's), (12, 42461), (14, 42479), (15, 42485),

Gene: Marteena_77 Start: 49986, Stop: 50171, Start Num: 8
Candidate Starts for Marteena_77:
(Start: 8 @49986 has 12 MA's), (10, 50022), (12, 50037), (14, 50055), (15, 50061),

Gene: Morkie_73 Start: 41521, Stop: 41706, Start Num: 8
Candidate Starts for Morkie_73:
(Start: 8 @41521 has 12 MA's), (12, 41572), (14, 41590), (15, 41596),

Gene: PhorbesPhlower_71 Start: 40916, Stop: 41101, Start Num: 8
Candidate Starts for PhorbesPhlower_71:
(Start: 8 @40916 has 12 MA's), (12, 40967), (14, 40985), (15, 40991),

Gene: Pollux_81 Start: 51943, Stop: 52128, Start Num: 8
Candidate Starts for Pollux_81:
(Start: 8 @51943 has 12 MA's), (10, 51979), (12, 51994), (14, 52012), (15, 52018),

Gene: VanLee_78 Start: 44964, Stop: 45284, Start Num: 6
Candidate Starts for VanLee_78:
(Start: 6 @44964 has 1 MA's), (7, 44970), (Start: 8 @45027 has 12 MA's), (12, 45081), (16, 45129), (17, 45159),