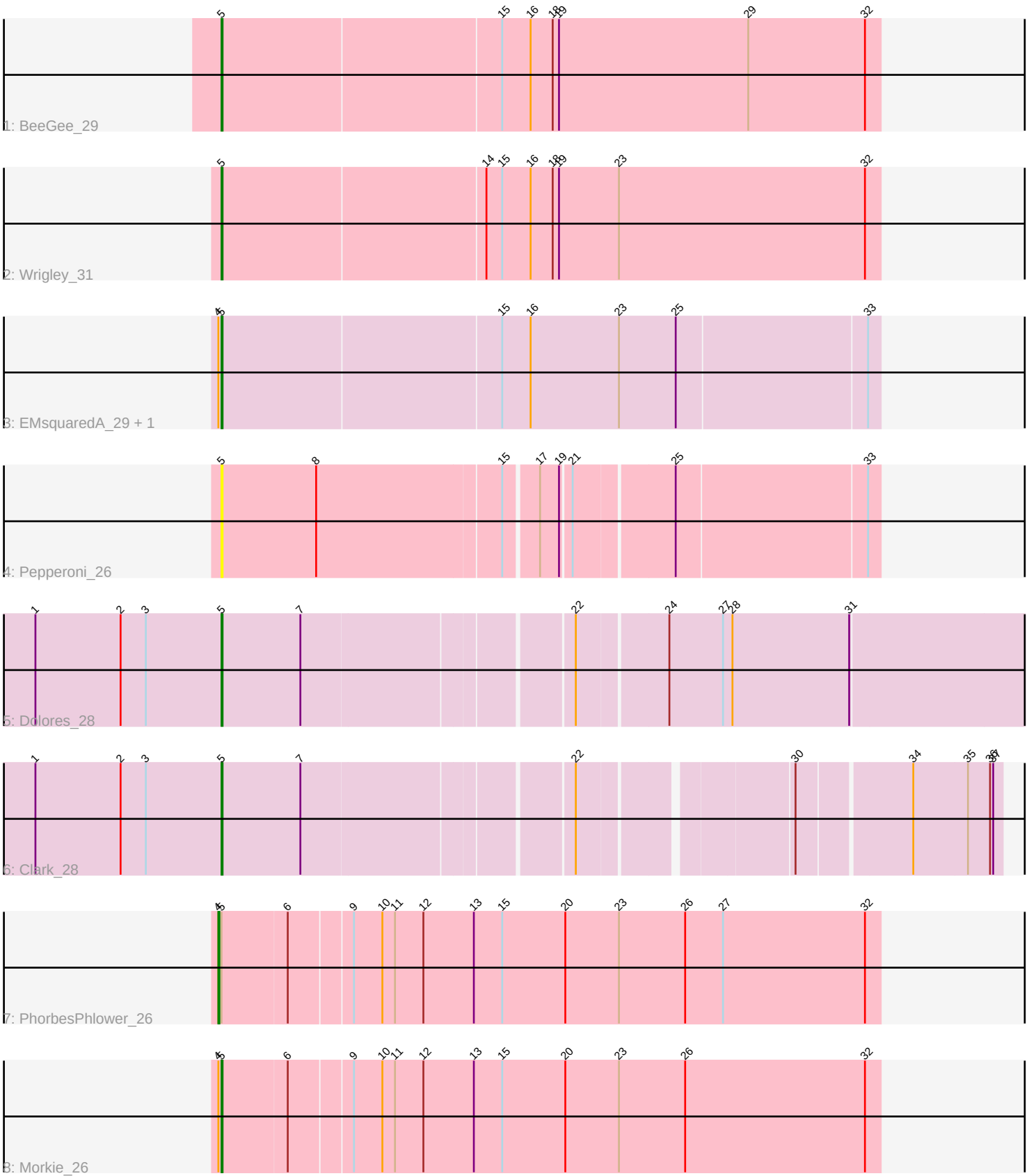
Pham 182802


1: BeeGee_29
2: Wrigley_31
3: EMsquaredA_29 + 1
4: Pepperoni_26
5: Dolores_28
6: Clark_28
7: PhorbesPhlower_26
8: Morkie_26

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 182802 Report

This analysis was run 11/02/24 on database version 579.

Pham number 182802 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BeeGee_29
• Track 2 : Wrigley_31
• Track 3 : EMsquaredA_29, Marteena_29
• Track 4 : Pepperoni_26
• Track 5 : Dolores_28
• Track 6 : Clark_28
• Track 7 : PhorbesPhlower_26
• Track 8 : Morkie_26

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BeeGee_29, Clark_28, Dolores_28, EMsquaredA_29, Marteena_29, Morkie_26, Pepperoni_26, Wrigley_31,

Genes that have the "Most Annotated" start but do not call it:
• PhorbesPhlower_26,

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

Summary by start number:

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: PhorbesPhlower_26 (DH),

Start 5:
• Found in 9 of 9 (100.0%) of genes in pham

• Manual Annotations of this start: 7 of 8
• Called 88.9% of time when present
• Phage (with cluster) where this start called: BeeGee_29 (CY), Clark_28 (CZ4), Dolores_28 (CZ4), EMsquaredA_29 (CY1), Marteena_29 (CY1), Morkie_26 (DH), Pepperoni_26 (CZ), Wrigley_31 (CY),

Summary by clusters:

There are 5 clusters represented in this pham: CY1, CZ, CY, CZ4, DH,

Info for manual annotations of cluster CY:
•Start number 5 was manually annotated 2 times for cluster CY.

Info for manual annotations of cluster CY1:
•Start number 5 was manually annotated 2 times for cluster CY1.

Info for manual annotations of cluster CZ4:
•Start number 5 was manually annotated 2 times for cluster CZ4.

Info for manual annotations of cluster DH:
•Start number 4 was manually annotated 1 time for cluster DH.
•Start number 5 was manually annotated 1 time for cluster DH.

Gene Information:

Gene: BeeGee_29 Start: 24605, Stop: 25225, Start Num: 5
Candidate Starts for BeeGee_29:
(Start: 5 @24605 has 7 MA's), (15, 24866), (16, 24893), (18, 24914), (19, 24920), (29, 25100), (32, 25211),

Gene: Clark_28 Start: 23304, Stop: 23987, Start Num: 5
Candidate Starts for Clark_28:
(1, 23127), (2, 23208), (3, 23232), (Start: 5 @23304 has 7 MA's), (7, 23379), (22, 23619), (30, 23802), (34, 23904), (35, 23955), (36, 23976), (37, 23979),

Gene: Dolores_28 Start: 23280, Stop: 24047, Start Num: 5
Candidate Starts for Dolores_28:
(1, 23103), (2, 23184), (3, 23208), (Start: 5 @23280 has 7 MA's), (7, 23355), (22, 23595), (24, 23676), (27, 23727), (28, 23736), (31, 23847),

Gene: EMsquaredA_29 Start: 24575, Stop: 25189, Start Num: 5
Candidate Starts for EMsquaredA_29:
(Start: 4 @24572 has 1 MA's), (Start: 5 @24575 has 7 MA's), (15, 24836), (16, 24863), (23, 24947), (25, 25001), (33, 25178),

Gene: Marteena_29 Start: 24575, Stop: 25189, Start Num: 5
Candidate Starts for Marteena_29:
(Start: 4 @24572 has 1 MA's), (Start: 5 @24575 has 7 MA's), (15, 24836), (16, 24863), (23, 24947), (25, 25001), (33, 25178),

Gene: Morkie_26 Start: 21978, Stop: 22595, Start Num: 5
Candidate Starts for Morkie_26:
(Start: 4 @21975 has 1 MA's), (Start: 5 @21978 has 7 MA's), (6, 22038), (9, 22095), (10, 22122), (11, 22134), (12, 22161), (13, 22209), (15, 22236), (20, 22296), (23, 22347), (26, 22410), (32, 22581),

Gene: Pepperoni_26 Start: 21851, Stop: 22447, Start Num: 5
Candidate Starts for Pepperoni_26:
(Start: 5 @21851 has 7 MA's), (8, 21941), (15, 22112), (17, 22142), (19, 22160), (21, 22169), (25, 22259), (33, 22436),

Gene: PhorbesPhlower_26 Start: 21975, Stop: 22595, Start Num: 4
Candidate Starts for PhorbesPhlower_26:
(Start: 4 @21975 has 1 MA's), (Start: 5 @21978 has 7 MA's), (6, 22038), (9, 22095), (10, 22122), (11, 22134), (12, 22161), (13, 22209), (15, 22236), (20, 22296), (23, 22347), (26, 22410), (27, 22446), (32, 22581),

Gene: Wrigley_31 Start: 25497, Stop: 26117, Start Num: 5
Candidate Starts for Wrigley_31:
(Start: 5 @25497 has 7 MA's), (14, 25743), (15, 25758), (16, 25785), (18, 25806), (19, 25812), (23, 25869), (32, 26103),