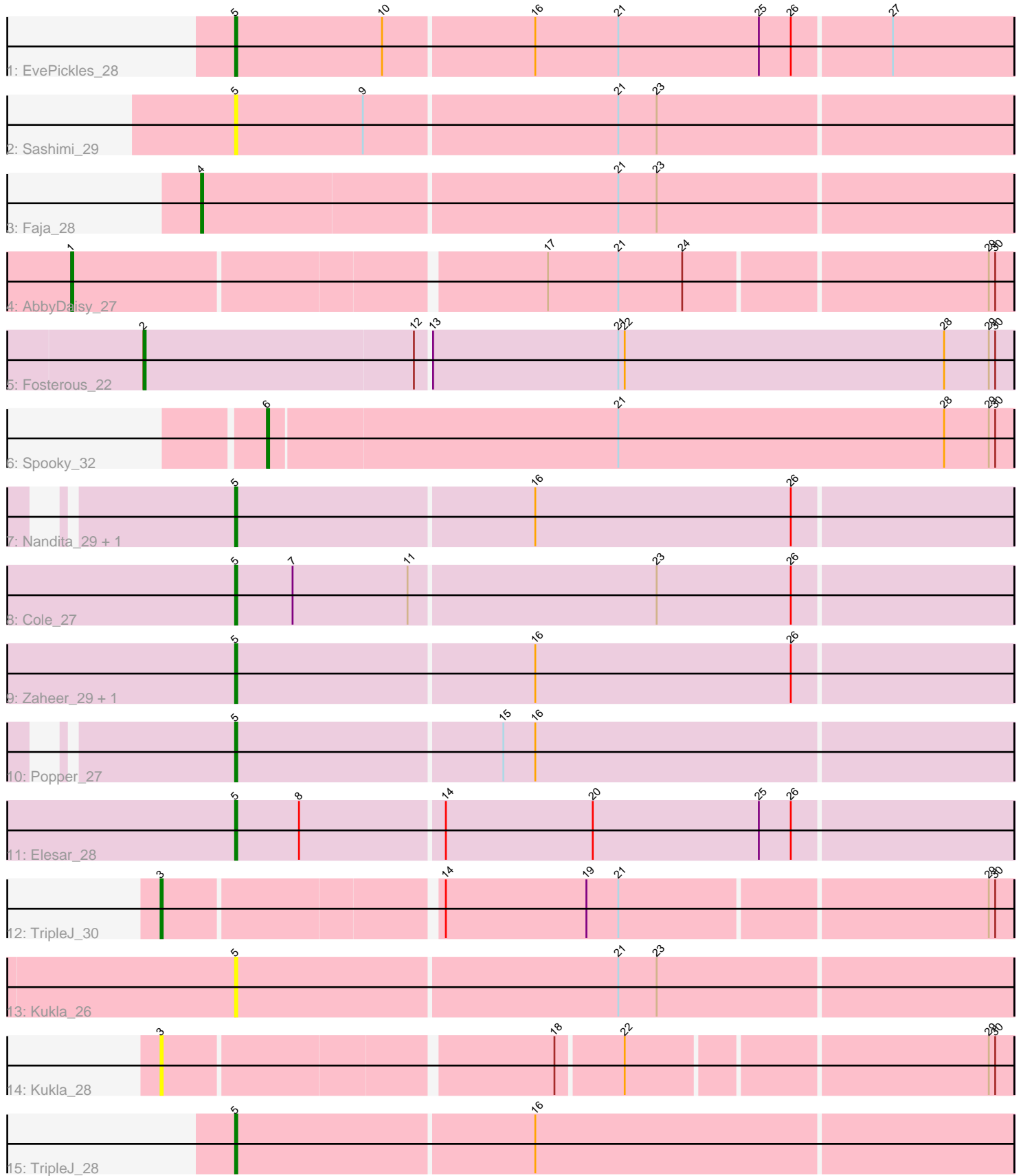# Pham 87079

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 87079 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87079 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EvePickles_28
• Track 2 : Sashimi_29
• Track 3 : Faja_28
• Track 4 : AbbyDaisy_27
• Track 5 : Fosterous_22
• Track 6 : Spooky_32
• Track 7 : Nandita_29, Gusanita_27
• Track 8 : Cole_27
• Track 9 : Zaheer_29, Ryan_29
• Track 10 : Popper_27
• Track 11 : Elesar_28
• Track 12 : TripleJ_30
• Track 13 : Kukla_26
• Track 14 : Kukla_28
• Track 15 : TripleJ_28

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 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cole_27, Elesar_28, EvePickles_28, Gusanita_27, Kukla_26, Nandita_29, Popper_27, Ryan_29, Sashimi_29, TripleJ_28, Zaheer_29,

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

Genes that do not have the "Most Annotated" start:
• AbbyDaisy_27, Faja_28, Fosterous_22, Kukla_28, Spooky_32, TripleJ_30,

Summary by start number:

Start 1:

• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_27 (AY),

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fosterous_22 (DE1),

Start 3:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_28 (FJ), TripleJ_30 (FJ),

Start 4:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faja_28 (AY),

Start 5:
• Found in 11 of 17 (64.7%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_27 (FF), Elesar_28 (FF), EvePickles_28 (AY), Gusanita_27 (FF), Kukla_26 (FJ), Nandita_29 (FF), Popper_27 (FF), Ryan_29 (FF), Sashimi_29 (AY), TripleJ_28 (FJ), Zaheer_29 (FF),

Start 6:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooky_32 (DN2),

Summary by clusters:

There are 5 clusters represented in this pham: AY, DE1, FJ, FF, DN2,

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

Info for manual annotations of cluster DE1:
•Start number 2 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DN2:
•Start number 6 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster FF:

•Start number 5 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FJ:
•Start number 3 was manually annotated 1 time for cluster FJ.
•Start number 5 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: AbbyDaisy_27 Start: 20471, Stop: 20896, Start Num: 1
Candidate Starts for AbbyDaisy_27:
(Start: 1 @20471 has 1 MA's), (17, 20684), (21, 20717), (24, 20747), (29, 20885), (30, 20888),

Gene: Cole_27 Start: 21869, Stop: 22228, Start Num: 5
Candidate Starts for Cole_27:
(Start: 5 @21869 has 9 MA's), (7, 21896), (11, 21950), (23, 22064), (26, 22127),

Gene: Elesar_28 Start: 22118, Stop: 22477, Start Num: 5
Candidate Starts for Elesar_28:
(Start: 5 @22118 has 9 MA's), (8, 22148), (14, 22214), (20, 22283), (25, 22361), (26, 22376),

Gene: EvePickles_28 Start: 21370, Stop: 21729, Start Num: 5
Candidate Starts for EvePickles_28:
(Start: 5 @21370 has 9 MA's), (10, 21439), (16, 21508), (21, 21547), (25, 21613), (26, 21628), (27, 21673),

Gene: Faja_28 Start: 21247, Stop: 21621, Start Num: 4
Candidate Starts for Faja_28:
(Start: 4 @21247 has 1 MA's), (21, 21439), (23, 21457),

Gene: Fosterous_22 Start: 19313, Stop: 19717, Start Num: 2
Candidate Starts for Fosterous_22:
(Start: 2 @19313 has 1 MA's), (12, 19439), (13, 19445), (21, 19532), (22, 19535), (28, 19685), (29, 19706), (30, 19709),

Gene: Gusanita_27 Start: 21803, Stop: 22162, Start Num: 5
Candidate Starts for Gusanita_27:
(Start: 5 @21803 has 9 MA's), (16, 21941), (26, 22061),

Gene: Kukla_26 Start: 20756, Stop: 21115, Start Num: 5
Candidate Starts for Kukla_26:
(Start: 5 @20756 has 9 MA's), (21, 20933), (23, 20951),

Gene: Kukla_28 Start: 21859, Stop: 22236, Start Num: 3
Candidate Starts for Kukla_28:
(Start: 3 @21859 has 1 MA's), (18, 22033), (22, 22063), (29, 22225), (30, 22228),

Gene: Nandita_29 Start: 22041, Stop: 22400, Start Num: 5
Candidate Starts for Nandita_29:
(Start: 5 @22041 has 9 MA's), (16, 22179), (26, 22299),

Gene: Popper_27 Start: 21952, Stop: 22311, Start Num: 5

Candidate Starts for Popper_27:
(Start: 5 @21952 has 9 MA's), (15, 22075), (16, 22090),

Gene: Ryan_29 Start: 22652, Stop: 23011, Start Num: 5
Candidate Starts for Ryan_29:
(Start: 5 @22652 has 9 MA's), (16, 22790), (26, 22910),

Gene: Sashimi_29 Start: 21169, Stop: 21528, Start Num: 5
Candidate Starts for Sashimi_29:
(Start: 5 @21169 has 9 MA's), (9, 21229), (21, 21346), (23, 21364),

Gene: Spooky_32 Start: 25199, Stop: 25546, Start Num: 6
Candidate Starts for Spooky_32:
(Start: 6 @25199 has 1 MA's), (21, 25361), (28, 25514), (29, 25535), (30, 25538),

Gene: TripleJ_30 Start: 22743, Stop: 23126, Start Num: 3
Candidate Starts for TripleJ_30:
(Start: 3 @22743 has 1 MA's), (14, 22866), (19, 22932), (21, 22947), (29, 23115), (30, 23118),

Gene: TripleJ_28 Start: 21640, Stop: 21999, Start Num: 5
Candidate Starts for TripleJ_28:
(Start: 5 @21640 has 9 MA's), (16, 21778),

Gene: Zaheer_29 Start: 22741, Stop: 23100, Start Num: 5
Candidate Starts for Zaheer_29:
(Start: 5 @22741 has 9 MA's), (16, 22879), (26, 22999),