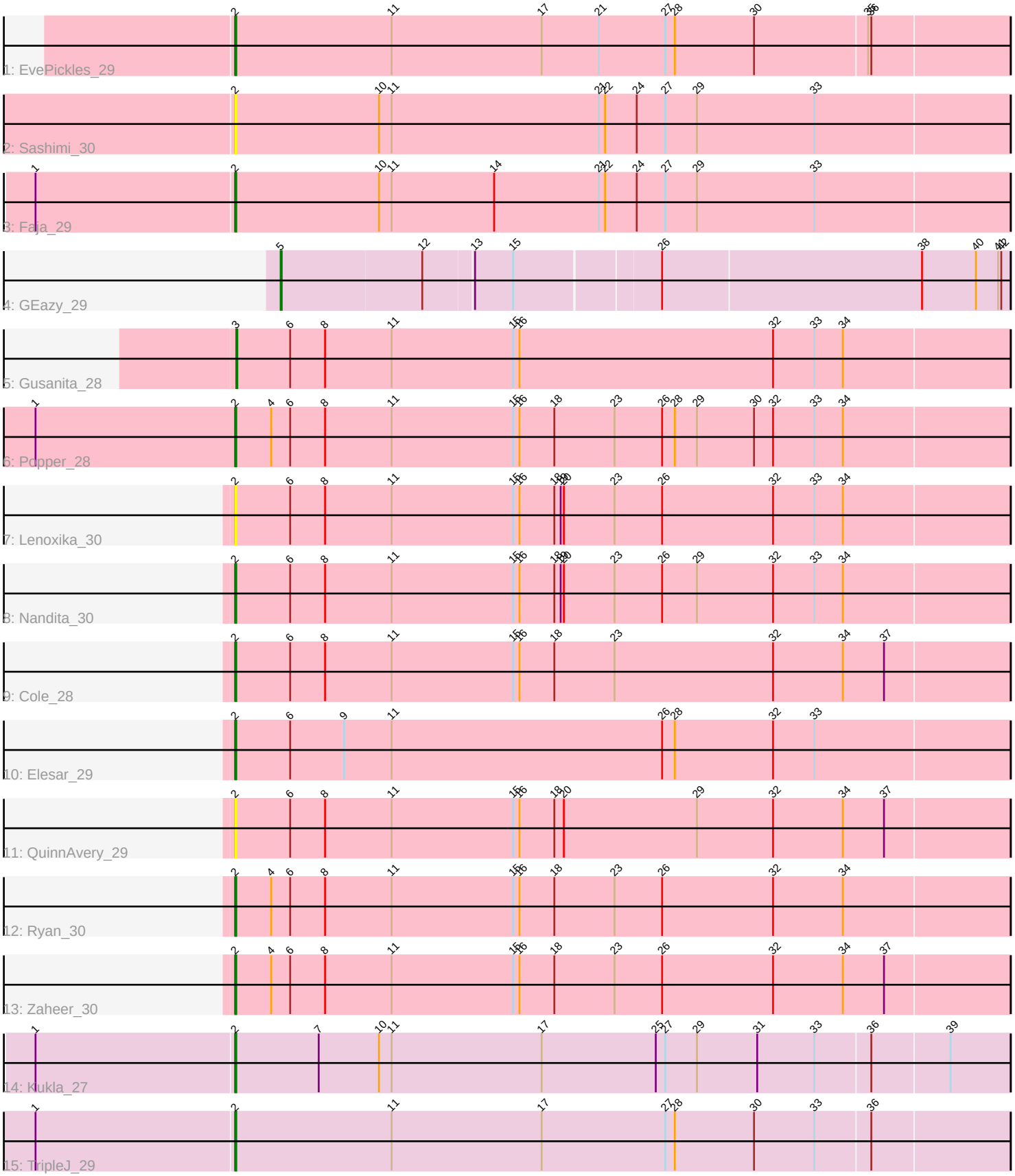
Pham 196938


1: EvePickles_29
2: Sashimi_30
3: Faja_29
4: GEazy_29
5: Gusanita_28
6: Pdpper_28
7: Lenoxika_30
8: Nandita_30
9: Cole_28
10: Elesar_29
11: QuinnAvery_29
12: Ryan_30
13: Zaheer_30
14: Kukla_27
15: TripleJ_29

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 196938 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196938 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EvePickles_29
• Track 2 : Sashimi_30
• Track 3 : Faja_29
• Track 4 : GEazy_29
• Track 5 : Gusanita_28
• Track 6 : Popper_28
• Track 7 : Lenoxika_30
• Track 8 : Nandita_30
• Track 9 : Cole_28
• Track 10 : Elesar_29
• Track 11 : QuinnAvery_29
• Track 12 : Ryan_30
• Track 13 : Zaheer_30
• Track 14 : Kukla_27
• Track 15 : TripleJ_29

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cole_28, Elesar_29, EvePickles_29, Faja_29, Kukla_27, Lenoxika_30, Nandita_30, Popper_28, QuinnAvery_29, Ryan_30, Sashimi_30, TripleJ_29, Zaheer_30,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• GEazy_29, Gusanita_28,

Summary by start number:

Start 2:

• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_28 (FF), Elesar_29 (FF), EvePickles_29 (AY), Faja_29 (AY), Kukla_27 (FJ), Lenoxika_30 (FF), Nandita_30 (FF), Popper_28 (FF), QuinnAvery_29 (FF), Ryan_30 (FF), Sashimi_30 (AY), TripleJ_29 (FJ), Zaheer_30 (FF),

Start 3:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gusanita_28 (FF),

Start 5:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GEazy_29 (DB),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FJ, DB, FF,

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

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

Info for manual annotations of cluster FF:
•Start number 2 was manually annotated 6 times for cluster FF.
•Start number 3 was manually annotated 1 time for cluster FF.

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

Gene Information:

Gene: Cole_28 Start: 22238, Stop: 22966, Start Num: 2
Candidate Starts for Cole_28:
(Start: 2 @22238 has 10 MA's), (6, 22289), (8, 22322), (11, 22385), (15, 22499), (16, 22505), (18, 22538), (23, 22595), (32, 22745), (34, 22811), (37, 22850),

Gene: Elesar_29 Start: 22487, Stop: 23215, Start Num: 2
Candidate Starts for Elesar_29:
(Start: 2 @22487 has 10 MA's), (6, 22538), (9, 22589), (11, 22634), (26, 22889), (28, 22901), (32, 22994), (33, 23033),

Gene: EvePickles_29 Start: 21738, Stop: 22463, Start Num: 2
Candidate Starts for EvePickles_29:

(Start: 2 @21738 has 10 MA's), (11, 21885), (17, 22026), (21, 22080), (27, 22143), (28, 22152), (30, 22227), (35, 22332), (36, 22335),

Gene: Faja_29 Start: 21630, Stop: 22358, Start Num: 2
Candidate Starts for Faja_29:
(1, 21444), (Start: 2 @21630 has 10 MA's), (10, 21765), (11, 21777), (14, 21873), (21, 21972), (22, 21978), (24, 22008), (27, 22035), (29, 22065), (33, 22176),

Gene: GEazy_29 Start: 24316, Stop: 24984, Start Num: 5
Candidate Starts for GEazy_29:
(Start: 5 @24316 has 1 MA's), (12, 24448), (13, 24493), (15, 24529), (26, 24658), (38, 24901), (40, 24952), (41, 24973), (42, 24976),

Gene: Gusanita_28 Start: 22173, Stop: 22901, Start Num: 3
Candidate Starts for Gusanita_28:
(Start: 3 @22173 has 1 MA's), (6, 22224), (8, 22257), (11, 22320), (15, 22434), (16, 22440), (32, 22680), (33, 22719), (34, 22746),

Gene: Kukla_27 Start: 21124, Stop: 21849, Start Num: 2
Candidate Starts for Kukla_27:
(1, 20938), (Start: 2 @21124 has 10 MA's), (7, 21202), (10, 21259), (11, 21271), (17, 21412), (25, 21520), (27, 21529), (29, 21559), (31, 21616), (33, 21670), (36, 21721), (39, 21793),

Gene: Lenoxika_30 Start: 22406, Stop: 23134, Start Num: 2
Candidate Starts for Lenoxika_30:
(Start: 2 @22406 has 10 MA's), (6, 22457), (8, 22490), (11, 22553), (15, 22667), (16, 22673), (18, 22706), (19, 22712), (20, 22715), (23, 22763), (26, 22808), (32, 22913), (33, 22952), (34, 22979),

Gene: Nandita_30 Start: 22410, Stop: 23138, Start Num: 2
Candidate Starts for Nandita_30:
(Start: 2 @22410 has 10 MA's), (6, 22461), (8, 22494), (11, 22557), (15, 22671), (16, 22677), (18, 22710), (19, 22716), (20, 22719), (23, 22767), (26, 22812), (29, 22845), (32, 22917), (33, 22956), (34, 22983),

Gene: Popper_28 Start: 22323, Stop: 23051, Start Num: 2
Candidate Starts for Popper_28:
(1, 22134), (Start: 2 @22323 has 10 MA's), (4, 22356), (6, 22374), (8, 22407), (11, 22470), (15, 22584), (16, 22590), (18, 22623), (23, 22680), (26, 22725), (28, 22737), (29, 22758), (30, 22812), (32, 22830), (33, 22869), (34, 22896),

Gene: QuinnAvery_29 Start: 22500, Stop: 23228, Start Num: 2
Candidate Starts for QuinnAvery_29:
(Start: 2 @22500 has 10 MA's), (6, 22551), (8, 22584), (11, 22647), (15, 22761), (16, 22767), (18, 22800), (20, 22809), (29, 22935), (32, 23007), (34, 23073), (37, 23112),

Gene: Ryan_30 Start: 23021, Stop: 23749, Start Num: 2
Candidate Starts for Ryan_30:
(Start: 2 @23021 has 10 MA's), (4, 23054), (6, 23072), (8, 23105), (11, 23168), (15, 23282), (16, 23288), (18, 23321), (23, 23378), (26, 23423), (32, 23528), (34, 23594),

Gene: Sashimi_30 Start: 21537, Stop: 22265, Start Num: 2
Candidate Starts for Sashimi_30:

(Start: 2 @21537 has 10 MA's), (10, 21672), (11, 21684), (21, 21879), (22, 21885), (24, 21915), (27, 21942), (29, 21972), (33, 22083),

Gene: TripleJ_29 Start: 22008, Stop: 22733, Start Num: 2
Candidate Starts for TripleJ_29:
(1, 21822), (Start: 2 @22008 has 10 MA's), (11, 22155), (17, 22296), (27, 22413), (28, 22422), (30, 22497), (33, 22554), (36, 22605),

Gene: Zaheer_30 Start: 23110, Stop: 23838, Start Num: 2
Candidate Starts for Zaheer_30:
(Start: 2 @23110 has 10 MA's), (4, 23143), (6, 23161), (8, 23194), (11, 23257), (15, 23371), (16, 23377), (18, 23410), (23, 23467), (26, 23512), (32, 23617), (34, 23683), (37, 23722),