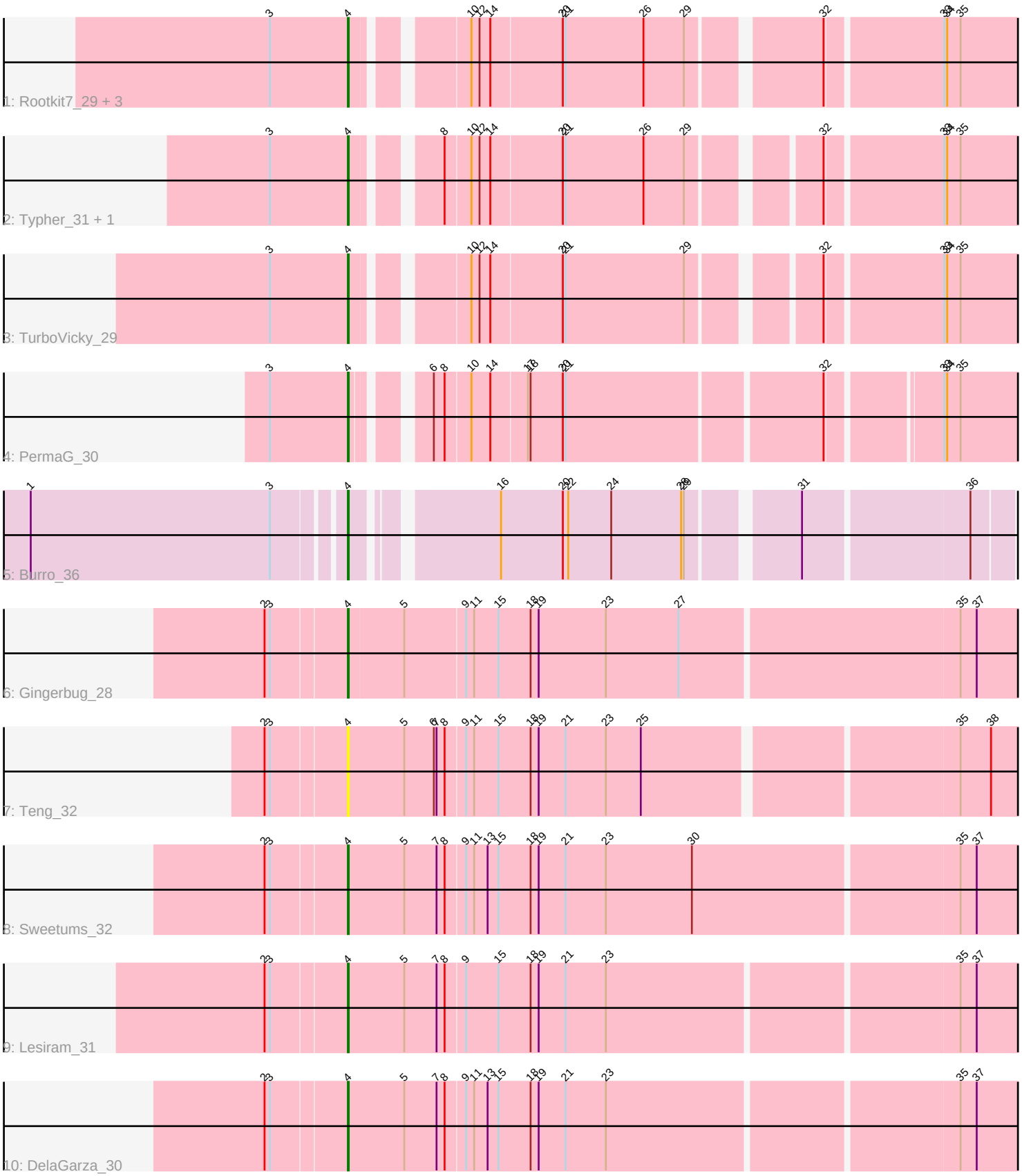
Pham 305407


1: Rootkit7_29 + 3
2: Typher_31 + 1
3: TurboVicky_29
4: PermaG_30
5: Burro_36
6: Gingerbug_28
7: Teng_32
8: Sweetums_32
9: Lesiram_31
10: DelaGarza_30

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 305407 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305407 has 14 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Rootkit7_29, Alove_29, AyoTeo_31, Zanella_29
• Track 2 : Typher_31, Labella_31
• Track 3 : TurboVicky_29
• Track 4 : PermaG_30
• Track 5 : Burro_36
• Track 6 : Gingerbug_28
• Track 7 : Teng_32
• Track 8 : Sweetums_32
• Track 9 : Lesiram_31
• Track 10 : DelaGarza_30

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alove_29, AyoTeo_31, Burro_36, DelaGarza_30, Gingerbug_28, Labella_31, Lesiram_31, PermaG_30, Rootkit7_29, Sweetums_32, Teng_32, TurboVicky_29, Typher_31, Zanella_29,

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

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

Summary by start number:

Start 4:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alove_29 (EJ), AyoTeo_31 (EJ), Burro_36 (EM1), DelaGarza_30 (GF), Gingerbug_28 (GF), Labella_31 (EJ), Lesiram_31 (GF), PermaG_30 (EJ), Rootkit7_29 (EJ), Sweetums_32 (GF), Teng_32 (GF), TurboVicky_29 (EJ), Typher_31 (EJ), Zanella_29 (EJ),

Summary by clusters:

There are 3 clusters represented in this pham: GF, EM1, EJ,

Info for manual annotations of cluster EJ:
•Start number 4 was manually annotated 5 times for cluster EJ.

Info for manual annotations of cluster EM1:
•Start number 4 was manually annotated 1 time for cluster EM1.

Info for manual annotations of cluster GF:
•Start number 4 was manually annotated 4 times for cluster GF.

Gene Information:

Gene: Alove_29 Start: 21809, Stop: 22519, Start Num: 4
Candidate Starts for Alove_29:
(3, 21722), (Start: 4 @21809 has 10 MA's), (10, 21911), (12, 21920), (14, 21932), (20, 22010), (21, 22013), (26, 22100), (29, 22145), (32, 22277), (33, 22400), (34, 22403), (35, 22418),

Gene: AyoTeo_31 Start: 21942, Stop: 22643, Start Num: 4
Candidate Starts for AyoTeo_31:
(3, 21855), (Start: 4 @21942 has 10 MA's), (10, 22044), (12, 22053), (14, 22065), (20, 22143), (21, 22146), (26, 22233), (29, 22278), (32, 22401), (33, 22524), (34, 22527), (35, 22542),

Gene: Burro_36 Start: 42324, Stop: 42995, Start Num: 4
Candidate Starts for Burro_36:
(1, 41988), (3, 42255), (Start: 4 @42324 has 10 MA's), (16, 42462), (20, 42531), (22, 42537), (24, 42585), (28, 42663), (29, 42666), (31, 42774), (36, 42951),

Gene: DelaGarza_30 Start: 20382, Stop: 21119, Start Num: 4
Candidate Starts for DelaGarza_30:
(2, 20295), (3, 20301), (Start: 4 @20382 has 10 MA's), (5, 20445), (7, 20481), (8, 20490), (9, 20511), (11, 20520), (13, 20535), (15, 20547), (18, 20583), (19, 20592), (21, 20622), (23, 20667), (35, 21042), (37, 21060),

Gene: Gingerbug_28 Start: 20500, Stop: 21243, Start Num: 4
Candidate Starts for Gingerbug_28:
(2, 20413), (3, 20419), (Start: 4 @20500 has 10 MA's), (5, 20560), (9, 20626), (11, 20635), (15, 20662), (18, 20698), (19, 20707), (23, 20782), (27, 20863), (35, 21166), (37, 21184),

Gene: Labella_31 Start: 21941, Stop: 22642, Start Num: 4
Candidate Starts for Labella_31:
(3, 21854), (Start: 4 @21941 has 10 MA's), (8, 22016), (10, 22043), (12, 22052), (14, 22064), (20, 22142), (21, 22145), (26, 22232), (29, 22277), (32, 22400), (33, 22523), (34, 22526), (35, 22541),

Gene: Lesiram_31 Start: 20354, Stop: 21091, Start Num: 4
Candidate Starts for Lesiram_31:
(2, 20267), (3, 20273), (Start: 4 @20354 has 10 MA's), (5, 20417), (7, 20453), (8, 20462), (9, 20483), (15, 20519), (18, 20555), (19, 20564), (21, 20594), (23, 20639), (35, 21014), (37, 21032),

Gene: PermaG_30 Start: 21960, Stop: 22667, Start Num: 4
Candidate Starts for PermaG_30:
(3, 21873), (Start: 4 @21960 has 10 MA's), (6, 22020), (8, 22032), (10, 22059), (14, 22080), (17, 22119), (18, 22122), (20, 22158), (21, 22161), (32, 22434), (33, 22548), (34, 22551), (35, 22566),

Gene: Rootkit7_29 Start: 21809, Stop: 22519, Start Num: 4
Candidate Starts for Rootkit7_29:
(3, 21722), (Start: 4 @21809 has 10 MA's), (10, 21911), (12, 21920), (14, 21932), (20, 22010), (21, 22013), (26, 22100), (29, 22145), (32, 22277), (33, 22400), (34, 22403), (35, 22418),

Gene: Sweetums_32 Start: 20466, Stop: 21212, Start Num: 4
Candidate Starts for Sweetums_32:
(2, 20379), (3, 20385), (Start: 4 @20466 has 10 MA's), (5, 20529), (7, 20565), (8, 20574), (9, 20595), (11, 20604), (13, 20619), (15, 20631), (18, 20667), (19, 20676), (21, 20706), (23, 20751), (30, 20847), (35, 21135), (37, 21153),

Gene: Teng_32 Start: 20398, Stop: 21129, Start Num: 4
Candidate Starts for Teng_32:
(2, 20311), (3, 20317), (Start: 4 @20398 has 10 MA's), (5, 20461), (6, 20494), (7, 20497), (8, 20506), (9, 20527), (11, 20536), (15, 20563), (18, 20599), (19, 20608), (21, 20638), (23, 20683), (25, 20722), (35, 21052), (38, 21085),

Gene: TurboVicky_29 Start: 21812, Stop: 22513, Start Num: 4
Candidate Starts for TurboVicky_29:
(3, 21725), (Start: 4 @21812 has 10 MA's), (10, 21914), (12, 21923), (14, 21935), (20, 22013), (21, 22016), (29, 22148), (32, 22271), (33, 22394), (34, 22397), (35, 22412),

Gene: Typher_31 Start: 21941, Stop: 22642, Start Num: 4
Candidate Starts for Typher_31:
(3, 21854), (Start: 4 @21941 has 10 MA's), (8, 22016), (10, 22043), (12, 22052), (14, 22064), (20, 22142), (21, 22145), (26, 22232), (29, 22277), (32, 22400), (33, 22523), (34, 22526), (35, 22541),

Gene: Zanella_29 Start: 21811, Stop: 22521, Start Num: 4
Candidate Starts for Zanella_29:
(3, 21724), (Start: 4 @21811 has 10 MA's), (10, 21913), (12, 21922), (14, 21934), (20, 22012), (21, 22015), (26, 22102), (29, 22147), (32, 22279), (33, 22402), (34, 22405), (35, 22420),