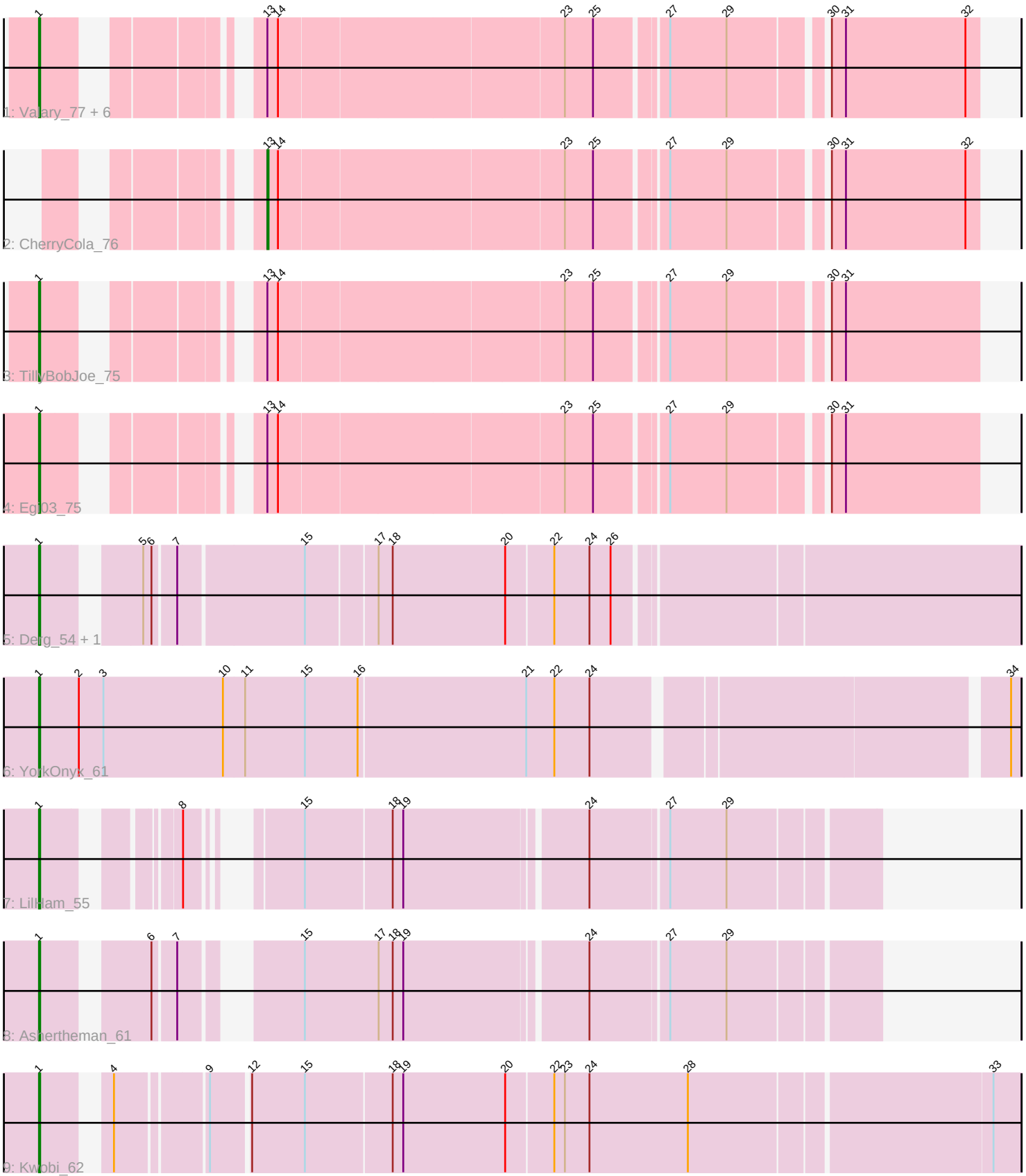
Pham 348122


1: Valary_77 + 6
2: CherryCola_76
3: TillyBobJoe_75
4: Eg103_75
5: Derg_54 + 1
6: YorkOnyx_61
7: LilHam_55
8: Ashertheman_61
9: Kwobi_62

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 348122 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348122 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Valary_77, CoveyB_77, Gezellig_73, Halo3_74, Savbucketdawg_72, Wizard_73, KimmyK_76
• Track 2 : CherryCola_76
• Track 3 : TillyBobJoe_75
• Track 4 : Egi03_75
• Track 5 : Derg_54, Ribeye_59
• Track 6 : YorkOnyx_61
• Track 7 : LilHam_55
• Track 8 : Ashertheman_61
• Track 9 : Kwobi_62

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashertheman_61, CoveyB_77, Derg_54, Egi03_75, Gezellig_73, Halo3_74, KimmyK_76, Kwobi_62, LilHam_55, Ribeye_59, Savbucketdawg_72, TillyBobJoe_75, Valary_77, Wizard_73, YorkOnyx_61,

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

Genes that do not have the "Most Annotated" start:
• CherryCola_76,

Summary by start number:

Start 1:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 15 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ashertheman_61 (DE1), CoveyB_77 (DC1), Derg_54 (DE1), Egi03_75 (DC1), Gezellig_73 (DC1), Halo3_74 (DC1), KimmyK_76 (DC1), Kwobi_62 (DE1), LilHam_55 (DE1), Ribeye_59 (DE1), Savbucketdawg_72 (DC1), TillyBobJoe_75 (DC1), Valary_77 (DC1), Wizard_73 (DC1), YorkOnyx_61 (DE1),

Start 13:
• Found in 10 of 16 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 10.0% of time when present
• Phage (with cluster) where this start called: CherryCola_76 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DC1,

Info for manual annotations of cluster DC1:
•Start number 1 was manually annotated 9 times for cluster DC1.
•Start number 13 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DE1:
•Start number 1 was manually annotated 6 times for cluster DE1.

Gene Information:

Gene: Ashertheman_61 Start: 47904, Stop: 48527, Start Num: 1
Candidate Starts for Ashertheman_61:
(Start: 1 @47904 has 15 MA's), (6, 47976), (7, 47994), (15, 48066), (17, 48129), (18, 48141), (19, 48150), (24, 48297), (27, 48360), (29, 48408),

Gene: CherryCola_76 Start: 51907, Stop: 52473, Start Num: 13
Candidate Starts for CherryCola_76:
(Start: 13 @51907 has 1 MA's), (14, 51916), (23, 52150), (25, 52174), (27, 52228), (29, 52276), (30, 52348), (31, 52360), (32, 52462),

Gene: CoveyB_77 Start: 51267, Stop: 51965, Start Num: 1
Candidate Starts for CoveyB_77:
(Start: 1 @51267 has 15 MA's), (Start: 13 @51399 has 1 MA's), (14, 51408), (23, 51642), (25, 51666), (27, 51720), (29, 51768), (30, 51840), (31, 51852), (32, 51954),

Gene: Derg_54 Start: 46195, Stop: 46971, Start Num: 1
Candidate Starts for Derg_54:
(Start: 1 @46195 has 15 MA's), (5, 46261), (6, 46267), (7, 46285), (15, 46387), (17, 46444), (18, 46456), (20, 46552), (22, 46591), (24, 46621), (26, 46639),

Gene: Egi03_75 Start: 50827, Stop: 51525, Start Num: 1
Candidate Starts for Egi03_75:
(Start: 1 @50827 has 15 MA's), (Start: 13 @50959 has 1 MA's), (14, 50968), (23, 51202), (25, 51226), (27, 51280), (29, 51328), (30, 51400), (31, 51412),

Gene: Gezellig_73 Start: 51020, Stop: 51718, Start Num: 1

Candidate Starts for Gezellig_73:
(Start: 1 @51020 has 15 MA's), (Start: 13 @51152 has 1 MA's), (14, 51161), (23, 51395), (25, 51419), (27, 51473), (29, 51521), (30, 51593), (31, 51605), (32, 51707),

Gene: Halo3_74 Start: 51605, Stop: 52303, Start Num: 1
Candidate Starts for Halo3_74:
(Start: 1 @51605 has 15 MA's), (Start: 13 @51737 has 1 MA's), (14, 51746), (23, 51980), (25, 52004), (27, 52058), (29, 52106), (30, 52178), (31, 52190), (32, 52292),

Gene: KimmyK_76 Start: 51467, Stop: 52165, Start Num: 1
Candidate Starts for KimmyK_76:
(Start: 1 @51467 has 15 MA's), (Start: 13 @51599 has 1 MA's), (14, 51608), (23, 51842), (25, 51866), (27, 51920), (29, 51968), (30, 52040), (31, 52052), (32, 52154),

Gene: Kwobi_62 Start: 48333, Stop: 49106, Start Num: 1
Candidate Starts for Kwobi_62:
(Start: 1 @48333 has 15 MA's), (4, 48375), (9, 48441), (12, 48471), (15, 48516), (18, 48588), (19, 48597), (20, 48684), (22, 48723), (23, 48732), (24, 48753), (28, 48837), (33, 49083),

Gene: LilHam_55 Start: 45648, Stop: 46250, Start Num: 1
Candidate Starts for LilHam_55:
(Start: 1 @45648 has 15 MA's), (8, 45732), (15, 45792), (18, 45864), (19, 45873), (24, 46020), (27, 46083), (29, 46131),

Gene: Ribeye_59 Start: 47258, Stop: 48034, Start Num: 1
Candidate Starts for Ribeye_59:
(Start: 1 @47258 has 15 MA's), (5, 47324), (6, 47330), (7, 47348), (15, 47450), (17, 47507), (18, 47519), (20, 47615), (22, 47654), (24, 47684), (26, 47702),

Gene: Savbucketdawg_72 Start: 50582, Stop: 51280, Start Num: 1
Candidate Starts for Savbucketdawg_72:
(Start: 1 @50582 has 15 MA's), (Start: 13 @50714 has 1 MA's), (14, 50723), (23, 50957), (25, 50981), (27, 51035), (29, 51083), (30, 51155), (31, 51167), (32, 51269),

Gene: TillyBobJoe_75 Start: 51196, Stop: 51894, Start Num: 1
Candidate Starts for TillyBobJoe_75:
(Start: 1 @51196 has 15 MA's), (Start: 13 @51328 has 1 MA's), (14, 51337), (23, 51571), (25, 51595), (27, 51649), (29, 51697), (30, 51769), (31, 51781),

Gene: Valary_77 Start: 51842, Stop: 52540, Start Num: 1
Candidate Starts for Valary_77:
(Start: 1 @51842 has 15 MA's), (Start: 13 @51974 has 1 MA's), (14, 51983), (23, 52217), (25, 52241), (27, 52295), (29, 52343), (30, 52415), (31, 52427), (32, 52529),

Gene: Wizard_73 Start: 51020, Stop: 51718, Start Num: 1
Candidate Starts for Wizard_73:
(Start: 1 @51020 has 15 MA's), (Start: 13 @51152 has 1 MA's), (14, 51161), (23, 51395), (25, 51419), (27, 51473), (29, 51521), (30, 51593), (31, 51605), (32, 51707),

Gene: YorkOnyx_61 Start: 47632, Stop: 48432, Start Num: 1
Candidate Starts for YorkOnyx_61:
(Start: 1 @47632 has 15 MA's), (2, 47665), (3, 47686), (10, 47788), (11, 47806), (15, 47857), (16, 47902), (21, 48043), (22, 48067), (24, 48097), (34, 48424),