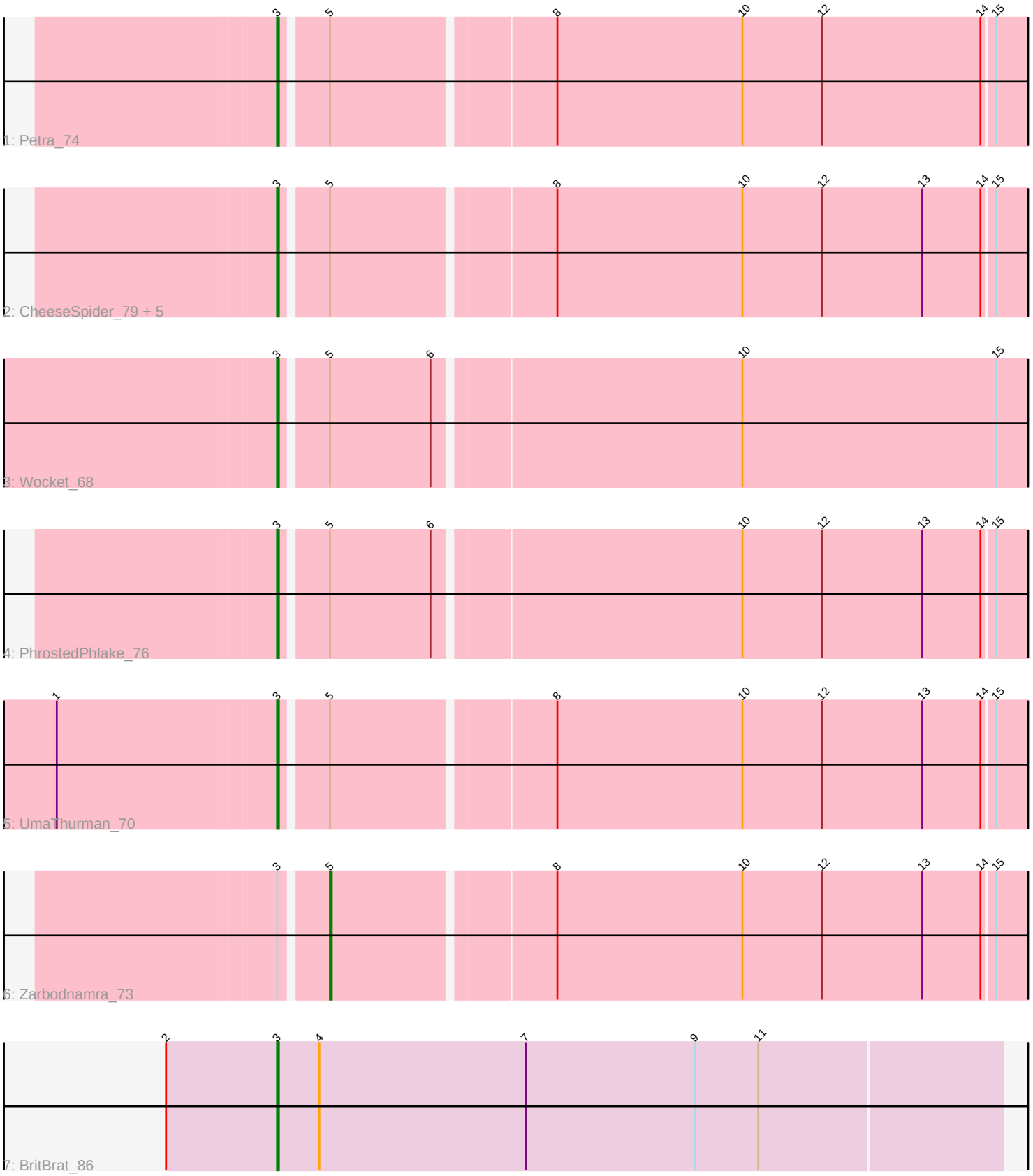
Pham 341241


3
5
8
10
12
14
15
1: Petra_74
3
5
8
10
12
13
14
15
2: CheeseSpider_79 + 5
3
5
6
10
15
3: Wocket_68
3
5
6
10
12
13
14
15
4: PhrostedPhlake_76
1
3
5
8
10
12
13
14
15
5: UmaThurman_70
3
5
8
10
12
13
14
15
6: Zarbodnamra_73
2
3
4
7
9
11
7: BritBrat_86

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 341241 Report

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

Pham number 341241 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Petra_74
• Track 2 : CheeseSpider_79, Zilla_67, Fenry_69, BlingBling_66, Samba_70, Barco_67
• Track 3 : Wocket_68
• Track 4 : PhrostedPhlake_76
• Track 5 : UmaThurman_70
• Track 6 : Zarbodnamra_73
• Track 7 : BritBrat_86

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barco_67, BlingBling_66, BritBrat_86, CheeseSpider_79, Fenry_69, Petra_74, PhrostedPhlake_76, Samba_70, UmaThurman_70, Wocket_68, Zilla_67,

Genes that have the "Most Annotated" start but do not call it:
• Zarbodnamra_73,

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

Summary by start number:

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Barco_67 (CV), BlingBling_66 (CV), BritBrat_86 (CY2), CheeseSpider_79 (CV), Fenry_69 (CV), Petra_74 (CV), PhrostedPhlake_76 (CV), Samba_70 (CV), UmaThurman_70 (CV), Wocket_68 (CV), Zilla_67 (CV),

Start 5:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Zarbodnamra_73 (CV),

Summary by clusters:

There are 2 clusters represented in this pham: CY2, CV,

Info for manual annotations of cluster CV:
•Start number 3 was manually annotated 10 times for cluster CV.
•Start number 5 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY2:
•Start number 3 was manually annotated 1 time for cluster CY2.

Gene Information:

Gene: Barco_67 Start: 42701, Stop: 43108, Start Num: 3
Candidate Starts for Barco_67:
(Start: 3 @42701 has 11 MA's), (Start: 5 @42725 has 1 MA's), (8, 42845), (10, 42950), (12, 42995), (13, 43052), (14, 43085), (15, 43091),

Gene: BlingBling_66 Start: 43583, Stop: 43990, Start Num: 3
Candidate Starts for BlingBling_66:
(Start: 3 @43583 has 11 MA's), (Start: 5 @43607 has 1 MA's), (8, 43727), (10, 43832), (12, 43877), (13, 43934), (14, 43967), (15, 43973),

Gene: BritBrat_86 Start: 50390, Stop: 50797, Start Num: 3
Candidate Starts for BritBrat_86:
(2, 50327), (Start: 3 @50390 has 11 MA's), (4, 50414), (7, 50531), (9, 50627), (11, 50663),

Gene: CheeseSpider_79 Start: 46697, Stop: 47104, Start Num: 3
Candidate Starts for CheeseSpider_79:
(Start: 3 @46697 has 11 MA's), (Start: 5 @46721 has 1 MA's), (8, 46841), (10, 46946), (12, 46991), (13, 47048), (14, 47081), (15, 47087),

Gene: Fenry_69 Start: 44374, Stop: 44781, Start Num: 3
Candidate Starts for Fenry_69:
(Start: 3 @44374 has 11 MA's), (Start: 5 @44398 has 1 MA's), (8, 44518), (10, 44623), (12, 44668), (13, 44725), (14, 44758), (15, 44764),

Gene: Petra_74 Start: 44925, Stop: 45332, Start Num: 3
Candidate Starts for Petra_74:
(Start: 3 @44925 has 11 MA's), (Start: 5 @44949 has 1 MA's), (8, 45069), (10, 45174), (12, 45219), (14, 45309), (15, 45315),

Gene: PhrostedPhlake_76 Start: 45173, Stop: 45580, Start Num: 3
Candidate Starts for PhrostedPhlake_76:

(Start: 3 @45173 has 11 MA's), (Start: 5 @45197 has 1 MA's), (6, 45254), (10, 45422), (12, 45467), (13, 45524), (14, 45557), (15, 45563),

Gene: Samba_70 Start: 45702, Stop: 46109, Start Num: 3
Candidate Starts for Samba_70:
(Start: 3 @45702 has 11 MA's), (Start: 5 @45726 has 1 MA's), (8, 45846), (10, 45951), (12, 45996), (13, 46053), (14, 46086), (15, 46092),

Gene: UmaThurman_70 Start: 44054, Stop: 44461, Start Num: 3
Candidate Starts for UmaThurman_70:
(1, 43934), (Start: 3 @44054 has 11 MA's), (Start: 5 @44078 has 1 MA's), (8, 44198), (10, 44303), (12, 44348), (13, 44405), (14, 44438), (15, 44444),

Gene: Wocket_68 Start: 43737, Stop: 44147, Start Num: 3
Candidate Starts for Wocket_68:
(Start: 3 @43737 has 11 MA's), (Start: 5 @43761 has 1 MA's), (6, 43818), (10, 43986), (15, 44130),

Gene: Zarbodnamra_73 Start: 43890, Stop: 44273, Start Num: 5
Candidate Starts for Zarbodnamra_73:
(Start: 3 @43866 has 11 MA's), (Start: 5 @43890 has 1 MA's), (8, 44010), (10, 44115), (12, 44160), (13, 44217), (14, 44250), (15, 44256),

Gene: Zilla_67 Start: 42718, Stop: 43125, Start Num: 3
Candidate Starts for Zilla_67:
(Start: 3 @42718 has 11 MA's), (Start: 5 @42742 has 1 MA's), (8, 42862), (10, 42967), (12, 43012), (13, 43069), (14, 43102), (15, 43108),