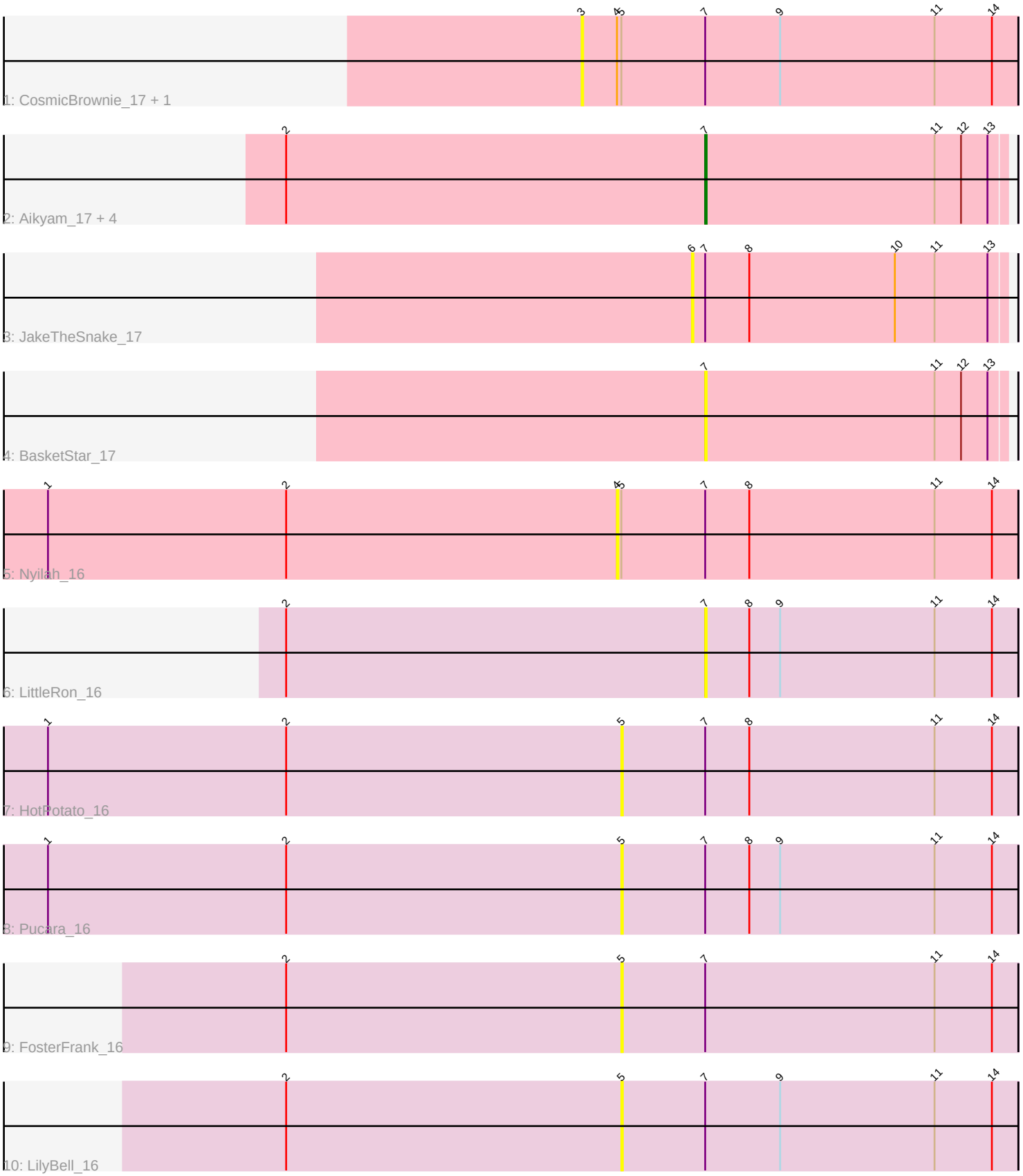
Pham 338610


1: CosmicBrownie_17 + 1
2: Aikyam_17 + 4
3: JakeTheSnake_17
4: BasketStar_17
5: Nyilah_16
6: LittleRon_16
7: HotPotato_16
8: Pucara_16
9: FosterFrank_16
10: LilyBell_16

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 338610 Report

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

Pham number 338610 has 15 members, 14 are drafts.

Phages represented in each track:
• Track 1 : CosmicBrownie_17, GumGum_17
• Track 2 : Aikyam_17, SonDevVon_16, NewKitty_18, Gorpy_17, Vopal_18
• Track 3 : JakeTheSnake_17
• Track 4 : BasketStar_17
• Track 5 : Nyilah_16
• Track 6 : LittleRon_16
• Track 7 : HotPotato_16
• Track 8 : Pucara_16
• Track 9 : FosterFrank_16
• Track 10 : LilyBell_16

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

The start number called the most often in the published annotations is 7, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_17, BasketStar_17, Gorpy_17, LittleRon_16, NewKitty_18, SonDevVon_16, Vopal_18,

Genes that have the "Most Annotated" start but do not call it:
• CosmicBrownie_17, FosterFrank_16, GumGum_17, HotPotato_16, JakeTheSnake_17, LilyBell_16, Nyilah_16, Pucara_16,

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

Summary by start number:

Start 3:
• Found in 2 of 15 (13.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: CosmicBrownie_17 (AY), GumGum_17 (AY),

Start 4:
• Found in 3 of 15 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nyilah_16 (AY),

Start 5:
• Found in 7 of 15 (46.7%) of genes in pham
• No Manual Annotations of this start.
• Called 57.1% of time when present
• Phage (with cluster) where this start called: FosterFrank_16 (FA), HotPotato_16 (FA), LilyBell_16 (FA), Pucara_16 (FA),

Start 6:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JakeTheSnake_17 (AY),

Start 7:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 46.7% of time when present
• Phage (with cluster) where this start called: Aikyam_17 (AY), BasketStar_17 (AY), Gorpy_17 (AY), LittleRon_16 (FA), NewKitty_18 (AY), SonDevVon_16 (AY), Vopal_18 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:
•Start number 7 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: Aikyam_17 Start: 10332, Stop: 10535, Start Num: 7
Candidate Starts for Aikyam_17:
(2, 10047), (Start: 7 @10332 has 1 MA's), (11, 10488), (12, 10506), (13, 10524),

Gene: BasketStar_17 Start: 10385, Stop: 10588, Start Num: 7
Candidate Starts for BasketStar_17:
(Start: 7 @10385 has 1 MA's), (11, 10541), (12, 10559), (13, 10577),

Gene: CosmicBrownie_17 Start: 10334, Stop: 10630, Start Num: 3
Candidate Starts for CosmicBrownie_17:
(3, 10334), (4, 10358), (5, 10361), (Start: 7 @10418 has 1 MA's), (9, 10469), (11, 10574), (14, 10613),

Gene: FosterFrank_16 Start: 10401, Stop: 10670, Start Num: 5
Candidate Starts for FosterFrank_16:
(2, 10173), (5, 10401), (Start: 7 @10458 has 1 MA's), (11, 10614), (14, 10653),

Gene: Gorpy_17 Start: 10340, Stop: 10543, Start Num: 7
Candidate Starts for Gorpy_17:
(2, 10055), (Start: 7 @10340 has 1 MA's), (11, 10496), (12, 10514), (13, 10532),

Gene: GumGum_17 Start: 10325, Stop: 10621, Start Num: 3
Candidate Starts for GumGum_17:
(3, 10325), (4, 10349), (5, 10352), (Start: 7 @10409 has 1 MA's), (9, 10460), (11, 10565), (14, 10604),

Gene: HotPotato_16 Start: 10405, Stop: 10674, Start Num: 5
Candidate Starts for HotPotato_16:
(1, 10015), (2, 10177), (5, 10405), (Start: 7 @10462 has 1 MA's), (8, 10492), (11, 10618), (14, 10657),

Gene: JakeTheSnake_17 Start: 10332, Stop: 10544, Start Num: 6
Candidate Starts for JakeTheSnake_17:
(6, 10332), (Start: 7 @10341 has 1 MA's), (8, 10371), (10, 10470), (11, 10497), (13, 10533),

Gene: LilyBell_16 Start: 10417, Stop: 10686, Start Num: 5
Candidate Starts for LilyBell_16:
(2, 10189), (5, 10417), (Start: 7 @10474 has 1 MA's), (9, 10525), (11, 10630), (14, 10669),

Gene: LittleRon_16 Start: 10428, Stop: 10640, Start Num: 7
Candidate Starts for LittleRon_16:
(2, 10143), (Start: 7 @10428 has 1 MA's), (8, 10458), (9, 10479), (11, 10584), (14, 10623),

Gene: NewKitty_18 Start: 10561, Stop: 10764, Start Num: 7
Candidate Starts for NewKitty_18:
(2, 10276), (Start: 7 @10561 has 1 MA's), (11, 10717), (12, 10735), (13, 10753),

Gene: Nyilah_16 Start: 10390, Stop: 10662, Start Num: 4
Candidate Starts for Nyilah_16:
(1, 10003), (2, 10165), (4, 10390), (5, 10393), (Start: 7 @10450 has 1 MA's), (8, 10480), (11, 10606), (14, 10645),

Gene: Pucara_16 Start: 10404, Stop: 10673, Start Num: 5
Candidate Starts for Pucara_16:
(1, 10014), (2, 10176), (5, 10404), (Start: 7 @10461 has 1 MA's), (8, 10491), (9, 10512), (11, 10617), (14, 10656),

Gene: SonDevVon_16 Start: 10333, Stop: 10536, Start Num: 7
Candidate Starts for SonDevVon_16:
(2, 10048), (Start: 7 @10333 has 1 MA's), (11, 10489), (12, 10507), (13, 10525),

Gene: Vopal_18 Start: 10403, Stop: 10606, Start Num: 7
Candidate Starts for Vopal_18:
(2, 10118), (Start: 7 @10403 has 1 MA's), (11, 10559), (12, 10577), (13, 10595),