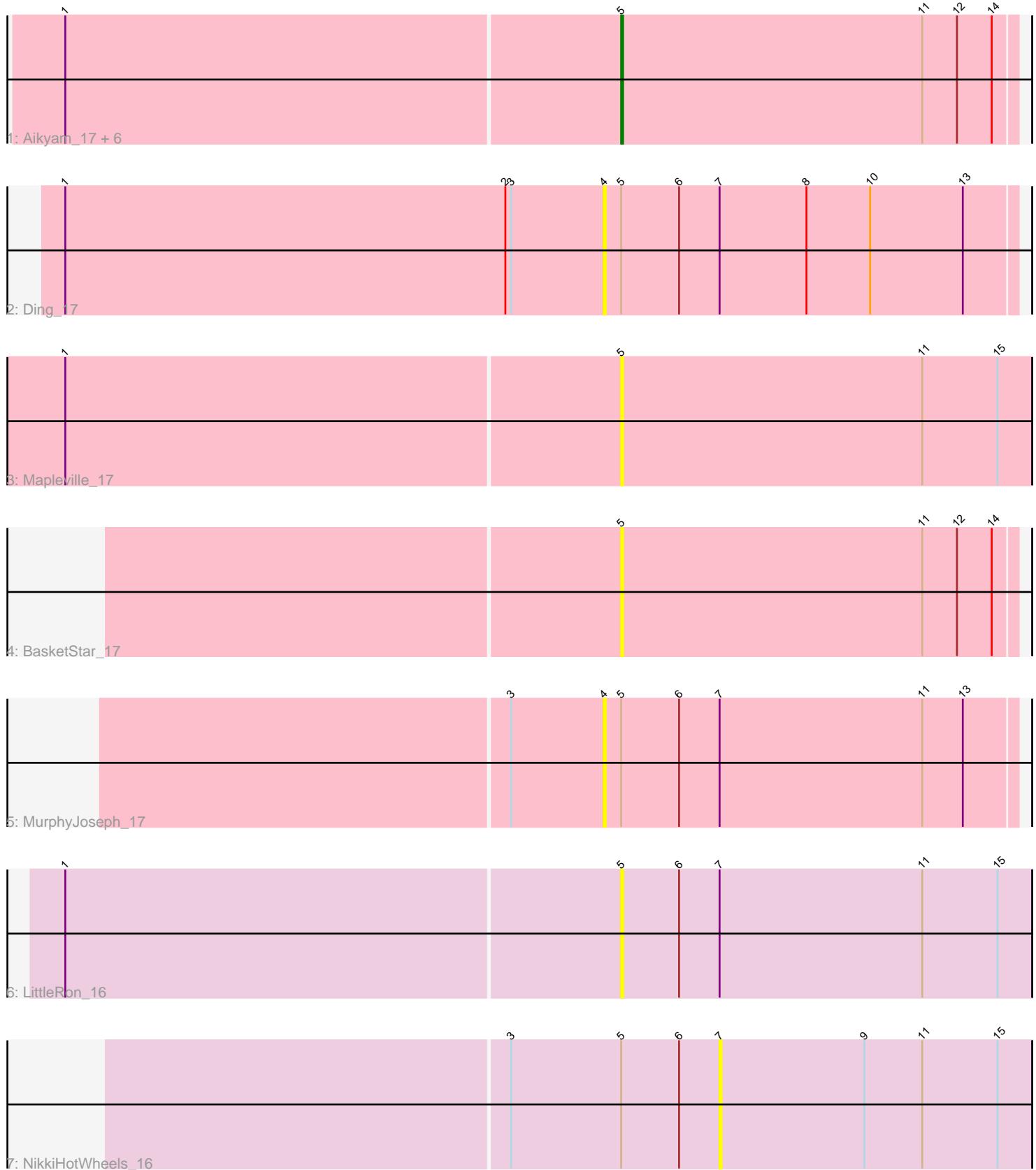# Pham 272518

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 272518 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272518 has 13 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Aikyam_17, SonDevVon_16, Vopal_18, NewKitty_18, Sporco_18, Lasker_17, Gorpy_17
• Track 2 : Ding_17
• Track 3 : Mapleville_17
• Track 4 : BasketStar_17
• Track 5 : MurphyJoseph_17
• Track 6 : LittleRon_16
• Track 7 : NikkiHotWheels_16

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

The start number called the most often in the published annotations is 5, 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, Lasker_17, LittleRon_16, Mapleville_17, NewKitty_18, SonDevVon_16, Sporco_18, Vopal_18,

Genes that have the "Most Annotated" start but do not call it:
• Ding_17, MurphyJoseph_17, NikkiHotWheels_16,

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

Summary by start number:

Start 4:
• Found in 2 of 13 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ding_17 (AY), MurphyJoseph_17 (AY),

Start 5:
• Found in 13 of 13 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 1
• Called 76.9% of time when present
• Phage (with cluster) where this start called: Aikyam_17 (AY), BasketStar_17 (AY), Gorpy_17 (AY), Lasker_17 (AY), LittleRon_16 (FA), Mapleville_17 (AY), NewKitty_18 (AY), SonDevVon_16 (AY), Sporco_18 (AY), Vopal_18 (AY),

Start 7:
• Found in 4 of 13 (30.8%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: NikkiHotWheels_16 (FA),

Summary by clusters:

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

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

Gene Information:

Gene: Aikyam_17 Start: 10332, Stop: 10535, Start Num: 5
Candidate Starts for Aikyam_17:
(1, 10047), (Start: 5 @10332 has 1 MA's), (11, 10488), (12, 10506), (14, 10524),

Gene: BasketStar_17 Start: 10385, Stop: 10588, Start Num: 5
Candidate Starts for BasketStar_17:
(Start: 5 @10385 has 1 MA's), (11, 10541), (12, 10559), (14, 10577),

Gene: Ding_17 Start: 10320, Stop: 10532, Start Num: 4
Candidate Starts for Ding_17:
(1, 10041), (2, 10269), (3, 10272), (4, 10320), (Start: 5 @10329 has 1 MA's), (6, 10359), (7, 10380), (8, 10425), (10, 10458), (13, 10506),

Gene: Gorpy_17 Start: 10340, Stop: 10543, Start Num: 5
Candidate Starts for Gorpy_17:
(1, 10055), (Start: 5 @10340 has 1 MA's), (11, 10496), (12, 10514), (14, 10532),

Gene: Lasker_17 Start: 10339, Stop: 10542, Start Num: 5
Candidate Starts for Lasker_17:
(1, 10054), (Start: 5 @10339 has 1 MA's), (11, 10495), (12, 10513), (14, 10531),

Gene: LittleRon_16 Start: 10428, Stop: 10640, Start Num: 5
Candidate Starts for LittleRon_16:
(1, 10143), (Start: 5 @10428 has 1 MA's), (6, 10458), (7, 10479), (11, 10584), (15, 10623),

Gene: Mapleville_17 Start: 10549, Stop: 10761, Start Num: 5
Candidate Starts for Mapleville_17:
(1, 10264), (Start: 5 @10549 has 1 MA's), (11, 10705), (15, 10744),

Gene: MurphyJoseph_17 Start: 10335, Stop: 10547, Start Num: 4
Candidate Starts for MurphyJoseph_17:
(3, 10287), (4, 10335), (Start: 5 @10344 has 1 MA's), (6, 10374), (7, 10395), (11, 10500), (13, 10521),

Gene: NewKitty_18 Start: 10561, Stop: 10764, Start Num: 5
Candidate Starts for NewKitty_18:
(1, 10276), (Start: 5 @10561 has 1 MA's), (11, 10717), (12, 10735), (14, 10753),

Gene: NikkiHotWheels_16 Start: 10508, Stop: 10669, Start Num: 7
Candidate Starts for NikkiHotWheels_16:
(3, 10400), (Start: 5 @10457 has 1 MA's), (6, 10487), (7, 10508), (9, 10583), (11, 10613), (15, 10652),

Gene: SonDevVon_16 Start: 10333, Stop: 10536, Start Num: 5
Candidate Starts for SonDevVon_16:
(1, 10048), (Start: 5 @10333 has 1 MA's), (11, 10489), (12, 10507), (14, 10525),

Gene: Sporco_18 Start: 10388, Stop: 10591, Start Num: 5
Candidate Starts for Sporco_18:
(1, 10103), (Start: 5 @10388 has 1 MA's), (11, 10544), (12, 10562), (14, 10580),

Gene: Vopal_18 Start: 10403, Stop: 10606, Start Num: 5
Candidate Starts for Vopal_18:
(1, 10118), (Start: 5 @10403 has 1 MA's), (11, 10559), (12, 10577), (14, 10595),