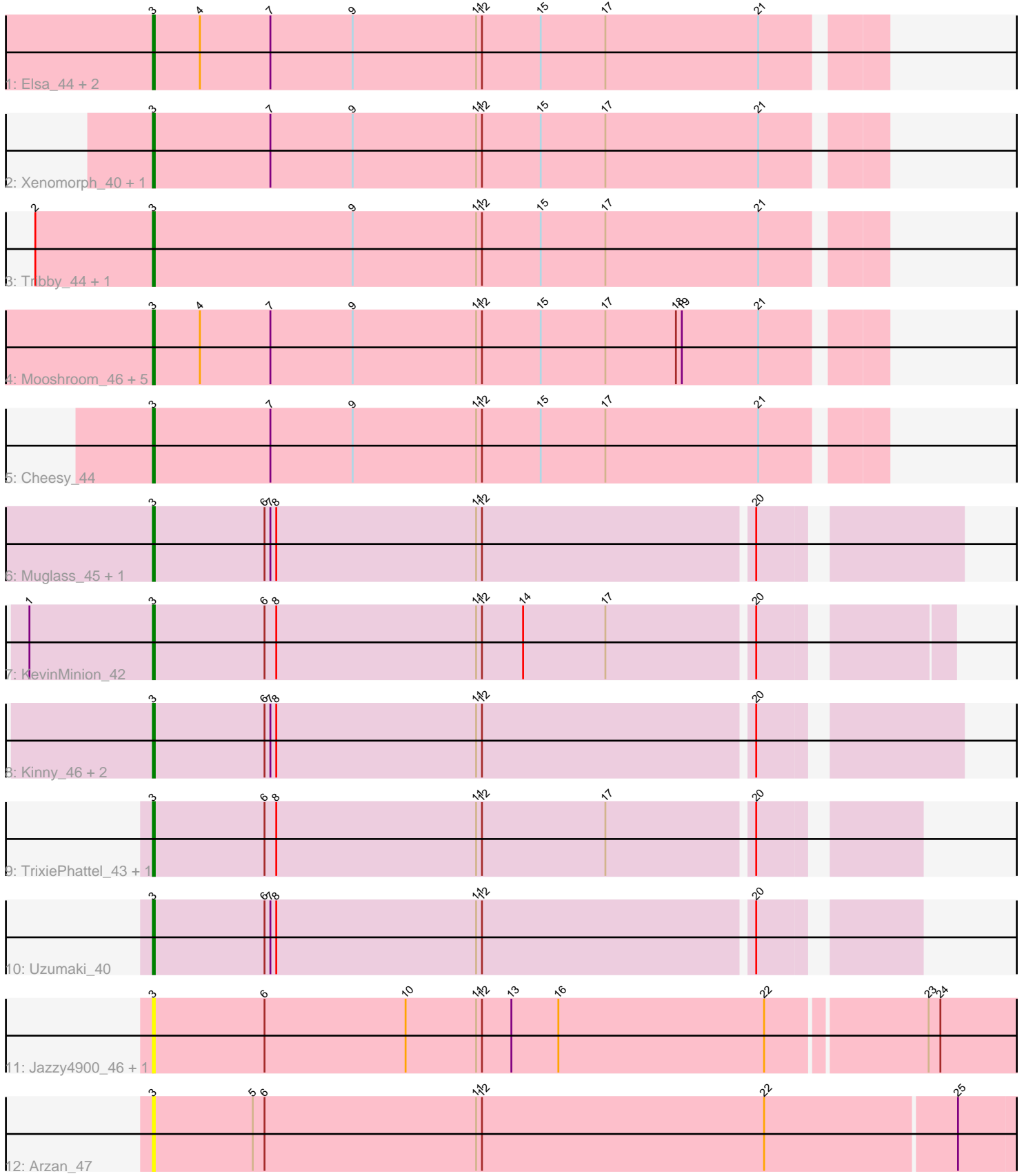


# Pham 296867



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 296867 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296867 has 26 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Elsa\_44, Arcadia\_44, Nason\_44
- Track 2 : Xenomorph\_40, Stardom\_41
- Track 3 : Tribby\_44, Correa\_42
- Track 4 : Mooshroom\_46, Kardesai\_45, Benllo\_43, JEGGS\_43, BenitoAntonio\_44, Heisenberger\_43
- Track 5 : Cheesy\_44
- Track 6 : Muglass\_45, Biscute\_43
- Track 7 : KevinMinion\_42
- Track 8 : Kinny\_46, BarbieDoll\_47, Lewando\_45
- Track 9 : TrixiePhattel\_43, PoeMe\_42
- Track 10 : Uzumaki\_40
- Track 11 : Jazzy4900\_46, Sunny4976\_45
- Track 12 : Arzan\_47

### ***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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia\_44, Arzan\_47, BarbieDoll\_47, BenitoAntonio\_44, Benllo\_43, Biscute\_43, Cheesy\_44, Correa\_42, Elsa\_44, Heisenberger\_43, JEGGS\_43, Jazzy4900\_46, Kardesai\_45, KevinMinion\_42, Kinny\_46, Lewando\_45, Mooshroom\_46, Muglass\_45, Nason\_44, PoeMe\_42, Stardom\_41, Sunny4976\_45, Tribby\_44, TrixiePhattel\_43, Uzumaki\_40, Xenomorph\_40,

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 3:

- Found in 26 of 26 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia\_44 (AM), Arzan\_47 (FI), BarbieDoll\_47 (AU6), BenitoAntonio\_44 (AM), Benllo\_43 (AM), Biscute\_43 (AU6), Cheesy\_44 (AM), Correa\_42 (AM), Elsa\_44 (AM), Heisenberger\_43 (AM), JEGGS\_43 (AM), Jazzy4900\_46 (FI), Kardesai\_45 (AM), KevinMinion\_42 (AU6), Kinny\_46 (AU6), Lewando\_45 (AU6), Mooshroom\_46 (AM), Muglass\_45 (AU6), Nason\_44 (AM), PoeMe\_42 (AU6), Stardom\_41 (AM), Sunny4976\_45 (FI), Tribby\_44 (AM), TrixiePhattel\_43 (AU6), Uzumaki\_40 (AU6), Xenomorph\_40 (AM),

### Summary by clusters:

There are 3 clusters represented in this pham: FI, AM, AU6,

Info for manual annotations of cluster AM:

- Start number 3 was manually annotated 13 times for cluster AM.

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 6 times for cluster AU6.

### Gene Information:

Gene: Arcadia\_44 Start: 30490, Stop: 30855, Start Num: 3

Candidate Starts for Arcadia\_44:

(Start: 3 @30490 has 19 MA's), (4, 30514), (7, 30550), (9, 30592), (11, 30655), (12, 30658), (15, 30688), (17, 30721), (21, 30799),

Gene: Arzan\_47 Start: 31913, Stop: 32362, Start Num: 3

Candidate Starts for Arzan\_47:

(Start: 3 @31913 has 19 MA's), (5, 31964), (6, 31970), (11, 32078), (12, 32081), (22, 32225), (25, 32321),

Gene: BarbieDoll\_47 Start: 32497, Stop: 32892, Start Num: 3

Candidate Starts for BarbieDoll\_47:

(Start: 3 @32497 has 19 MA's), (6, 32554), (7, 32557), (8, 32560), (11, 32662), (12, 32665), (20, 32800),

Gene: BenitoAntonio\_44 Start: 30067, Stop: 30432, Start Num: 3

Candidate Starts for BenitoAntonio\_44:

(Start: 3 @30067 has 19 MA's), (4, 30091), (7, 30127), (9, 30169), (11, 30232), (12, 30235), (15, 30265), (17, 30298), (18, 30334), (19, 30337), (21, 30376),

Gene: Benllo\_43 Start: 30751, Stop: 31116, Start Num: 3

Candidate Starts for Benllo\_43:

(Start: 3 @30751 has 19 MA's), (4, 30775), (7, 30811), (9, 30853), (11, 30916), (12, 30919), (15, 30949), (17, 30982), (18, 31018), (19, 31021), (21, 31060),

Gene: Biscute\_43 Start: 32150, Stop: 32545, Start Num: 3

Candidate Starts for Biscute\_43:

(Start: 3 @32150 has 19 MA's), (6, 32207), (7, 32210), (8, 32213), (11, 32315), (12, 32318), (20, 32453),

Gene: Cheesy\_44 Start: 30188, Stop: 30553, Start Num: 3

Candidate Starts for Cheesy\_44:

(Start: 3 @30188 has 19 MA's), (7, 30248), (9, 30290), (11, 30353), (12, 30356), (15, 30386), (17, 30419), (21, 30497),

Gene: Correa\_42 Start: 29373, Stop: 29738, Start Num: 3

Candidate Starts for Correa\_42:

(2, 29313), (Start: 3 @29373 has 19 MA's), (9, 29475), (11, 29538), (12, 29541), (15, 29571), (17, 29604), (21, 29682),

Gene: Elsa\_44 Start: 30490, Stop: 30855, Start Num: 3

Candidate Starts for Elsa\_44:

(Start: 3 @30490 has 19 MA's), (4, 30514), (7, 30550), (9, 30592), (11, 30655), (12, 30658), (15, 30688), (17, 30721), (21, 30799),

Gene: Heisenberger\_43 Start: 29931, Stop: 30296, Start Num: 3

Candidate Starts for Heisenberger\_43:

(Start: 3 @29931 has 19 MA's), (4, 29955), (7, 29991), (9, 30033), (11, 30096), (12, 30099), (15, 30129), (17, 30162), (18, 30198), (19, 30201), (21, 30240),

Gene: JEGGS\_43 Start: 29985, Stop: 30350, Start Num: 3

Candidate Starts for JEGGS\_43:

(Start: 3 @29985 has 19 MA's), (4, 30009), (7, 30045), (9, 30087), (11, 30150), (12, 30153), (15, 30183), (17, 30216), (18, 30252), (19, 30255), (21, 30294),

Gene: Jazzy4900\_46 Start: 32761, Stop: 33207, Start Num: 3

Candidate Starts for Jazzy4900\_46:

(Start: 3 @32761 has 19 MA's), (6, 32818), (10, 32890), (11, 32926), (12, 32929), (13, 32944), (16, 32968), (22, 33073), (23, 33151), (24, 33157),

Gene: Kardesai\_45 Start: 30651, Stop: 31016, Start Num: 3

Candidate Starts for Kardesai\_45:

(Start: 3 @30651 has 19 MA's), (4, 30675), (7, 30711), (9, 30753), (11, 30816), (12, 30819), (15, 30849), (17, 30882), (18, 30918), (19, 30921), (21, 30960),

Gene: KevinMinion\_42 Start: 31542, Stop: 31931, Start Num: 3

Candidate Starts for KevinMinion\_42:

(1, 31479), (Start: 3 @31542 has 19 MA's), (6, 31599), (8, 31605), (11, 31707), (12, 31710), (14, 31731), (17, 31773), (20, 31845),

Gene: Kinny\_46 Start: 32991, Stop: 33386, Start Num: 3

Candidate Starts for Kinny\_46:

(Start: 3 @32991 has 19 MA's), (6, 33048), (7, 33051), (8, 33054), (11, 33156), (12, 33159), (20, 33294),

Gene: Lewando\_45 Start: 32283, Stop: 32678, Start Num: 3

Candidate Starts for Lewando\_45:

(Start: 3 @32283 has 19 MA's), (6, 32340), (7, 32343), (8, 32346), (11, 32448), (12, 32451), (20, 32586),

Gene: Mooshroom\_46 Start: 30651, Stop: 31016, Start Num: 3

Candidate Starts for Mooshroom\_46:

(Start: 3 @30651 has 19 MA's), (4, 30675), (7, 30711), (9, 30753), (11, 30816), (12, 30819), (15, 30849), (17, 30882), (18, 30918), (19, 30921), (21, 30960),

Gene: Muglass\_45 Start: 32054, Stop: 32449, Start Num: 3

Candidate Starts for Muglass\_45:

(Start: 3 @32054 has 19 MA's), (6, 32111), (7, 32114), (8, 32117), (11, 32219), (12, 32222), (20, 32357),

Gene: Nason\_44 Start: 30490, Stop: 30855, Start Num: 3

Candidate Starts for Nason\_44:

(Start: 3 @30490 has 19 MA's), (4, 30514), (7, 30550), (9, 30592), (11, 30655), (12, 30658), (15, 30688), (17, 30721), (21, 30799),

Gene: PoeMe\_42 Start: 31062, Stop: 31436, Start Num: 3

Candidate Starts for PoeMe\_42:

(Start: 3 @31062 has 19 MA's), (6, 31119), (8, 31125), (11, 31227), (12, 31230), (17, 31293), (20, 31365),

Gene: Stardom\_41 Start: 29115, Stop: 29480, Start Num: 3

Candidate Starts for Stardom\_41:

(Start: 3 @29115 has 19 MA's), (7, 29175), (9, 29217), (11, 29280), (12, 29283), (15, 29313), (17, 29346), (21, 29424),

Gene: Sunny4976\_45 Start: 32761, Stop: 33207, Start Num: 3

Candidate Starts for Sunny4976\_45:

(Start: 3 @32761 has 19 MA's), (6, 32818), (10, 32890), (11, 32926), (12, 32929), (13, 32944), (16, 32968), (22, 33073), (23, 33151), (24, 33157),

Gene: Tribby\_44 Start: 30206, Stop: 30571, Start Num: 3

Candidate Starts for Tribby\_44:

(2, 30146), (Start: 3 @30206 has 19 MA's), (9, 30308), (11, 30371), (12, 30374), (15, 30404), (17, 30437), (21, 30515),

Gene: TrixiePhattel\_43 Start: 30777, Stop: 31151, Start Num: 3

Candidate Starts for TrixiePhattel\_43:

(Start: 3 @30777 has 19 MA's), (6, 30834), (8, 30840), (11, 30942), (12, 30945), (17, 31008), (20, 31080),

Gene: Uzumaki\_40 Start: 30796, Stop: 31170, Start Num: 3

Candidate Starts for Uzumaki\_40:

(Start: 3 @30796 has 19 MA's), (6, 30853), (7, 30856), (8, 30859), (11, 30961), (12, 30964), (20, 31099),

Gene: Xenomorph\_40 Start: 29917, Stop: 30282, Start Num: 3

Candidate Starts for Xenomorph\_40:

(Start: 3 @29917 has 19 MA's), (7, 29977), (9, 30019), (11, 30082), (12, 30085), (15, 30115), (17, 30148), (21, 30226),