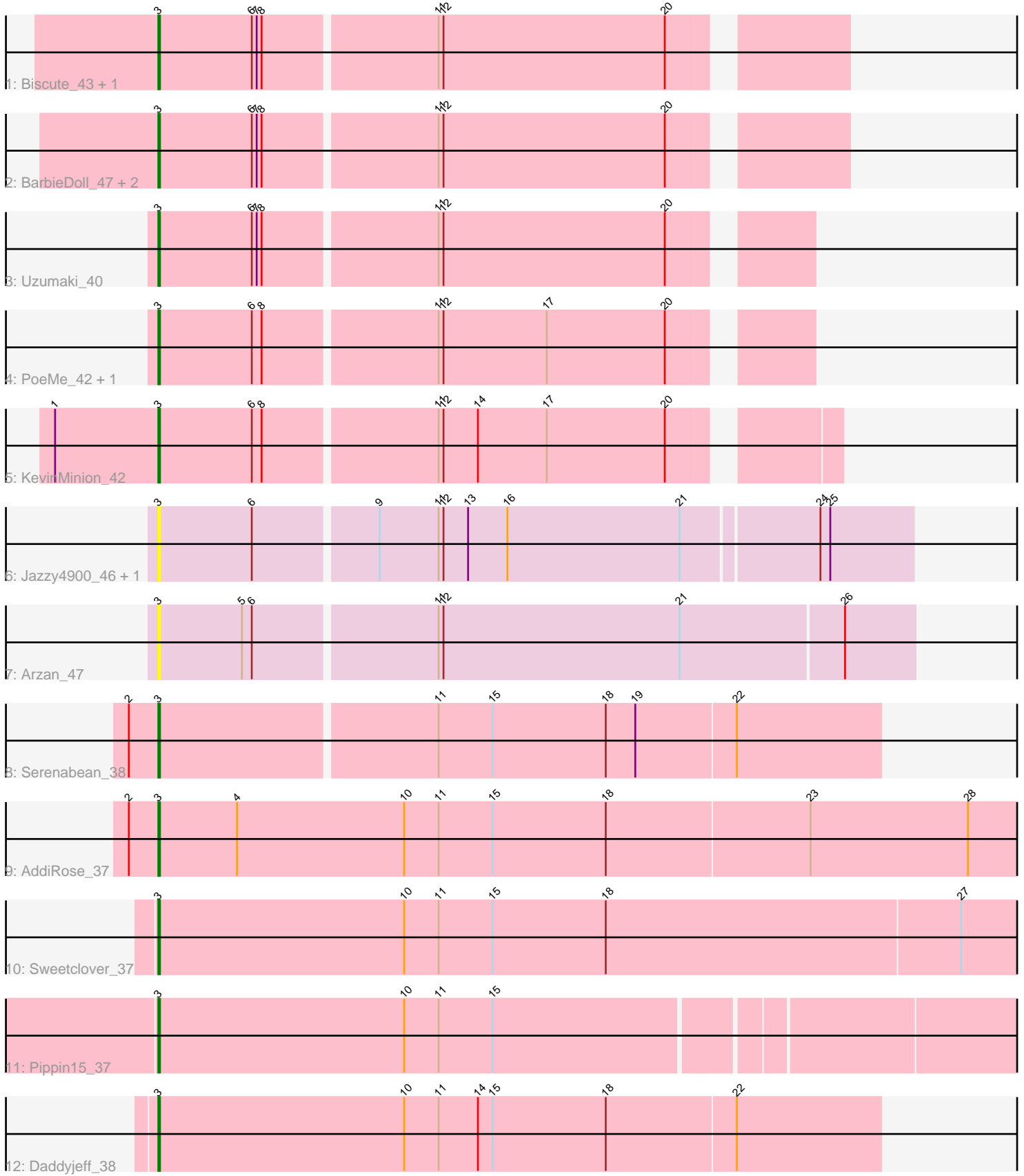


Pham 303731



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 303731 Report

This analysis was run 06/12/26 on database version 650.

Pham number 303731 has 17 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Biscute_43, Muglass_45
- Track 2 : BarbieDoll_47, Kinny_46, Lewando_45
- Track 3 : Uzumaki_40
- Track 4 : PoeMe_42, TrixiePhattel_43
- Track 5 : KevinMinion_42
- Track 6 : Jazzy4900_46, Sunny4976_45
- Track 7 : Arzan_47
- Track 8 : Serenabean_38
- Track 9 : AddiRose_37
- Track 10 : Sweetclover_37
- Track 11 : Pippin15_37
- Track 12 : Daddyjeff_38

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AddiRose_37, Arzan_47, BarbieDoll_47, Biscute_43, Daddyjeff_38, Jazzy4900_46, KevinMinion_42, Kinny_46, Lewando_45, Muglass_45, Pippin15_37, PoeMe_42, Serenabean_38, Sunny4976_45, Sweetclover_37, TrixiePhattel_43, Uzumaki_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 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AddiRose_37 (JA), Arzan_47 (FI), BarbieDoll_47 (AU6), Biscute_43 (AU6), Daddyjeff_38 (JA), Jazzy4900_46 (FI), KevinMinion_42 (AU6), Kinny_46 (AU6), Lewando_45 (AU6), Muglass_45 (AU6), Pippin15_37 (JA), PoeMe_42 (AU6), Serenabean_38 (JA), Sunny4976_45 (FI), Sweetclover_37 (JA), TrixiePhattel_43 (AU6), Uzumaki_40 (AU6),

Summary by clusters:

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

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 7 times for cluster AU6.

Info for manual annotations of cluster JA:

- Start number 3 was manually annotated 5 times for cluster JA.

Gene Information:

Gene: AddiRose_37 Start: 28177, Stop: 28773, Start Num: 3

Candidate Starts for AddiRose_37:

(2, 28159), (Start: 3 @28177 has 12 MA's), (4, 28225), (10, 28327), (11, 28348), (15, 28381), (18, 28450), (23, 28573), (28, 28669),

Gene: Arzan_47 Start: 31913, Stop: 32362, Start Num: 3

Candidate Starts for Arzan_47:

(Start: 3 @31913 has 12 MA's), (5, 31964), (6, 31970), (11, 32078), (12, 32081), (21, 32225), (26, 32321),

Gene: BarbieDoll_47 Start: 32497, Stop: 32892, Start Num: 3

Candidate Starts for BarbieDoll_47:

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

Gene: Biscute_43 Start: 32150, Stop: 32545, Start Num: 3

Candidate Starts for Biscute_43:

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

Gene: Daddyjeff_38 Start: 28404, Stop: 28841, Start Num: 3

Candidate Starts for Daddyjeff_38:

(Start: 3 @28404 has 12 MA's), (10, 28554), (11, 28575), (14, 28599), (15, 28608), (18, 28677), (22, 28755),

Gene: Jazzy4900_46 Start: 32761, Stop: 33207, Start Num: 3

Candidate Starts for Jazzy4900_46:

(Start: 3 @32761 has 12 MA's), (6, 32818), (9, 32890), (11, 32926), (12, 32929), (13, 32944), (16, 32968), (21, 33073), (24, 33151), (25, 33157),

Gene: KevinMinion_42 Start: 31542, Stop: 31931, Start Num: 3

Candidate Starts for KevinMinion_42:
(1, 31479), (Start: 3 @31542 has 12 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 12 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 12 MA's), (6, 32340), (7, 32343), (8, 32346), (11, 32448), (12, 32451), (20, 32586),

Gene: Muglass_45 Start: 32054, Stop: 32449, Start Num: 3
Candidate Starts for Muglass_45:
(Start: 3 @32054 has 12 MA's), (6, 32111), (7, 32114), (8, 32117), (11, 32219), (12, 32222), (20, 32357),

Gene: Pippin15_37 Start: 27170, Stop: 27739, Start Num: 3
Candidate Starts for Pippin15_37:
(Start: 3 @27170 has 12 MA's), (10, 27320), (11, 27341), (15, 27374),

Gene: PoeMe_42 Start: 31062, Stop: 31436, Start Num: 3
Candidate Starts for PoeMe_42:
(Start: 3 @31062 has 12 MA's), (6, 31119), (8, 31125), (11, 31227), (12, 31230), (17, 31293), (20, 31365),

Gene: Serenabeen_38 Start: 28434, Stop: 28865, Start Num: 3
Candidate Starts for Serenabeen_38:
(2, 28416), (Start: 3 @28434 has 12 MA's), (11, 28599), (15, 28632), (18, 28701), (19, 28719), (22, 28779),

Gene: Sunny4976_45 Start: 32761, Stop: 33207, Start Num: 3
Candidate Starts for Sunny4976_45:
(Start: 3 @32761 has 12 MA's), (6, 32818), (9, 32890), (11, 32926), (12, 32929), (13, 32944), (16, 32968), (21, 33073), (24, 33151), (25, 33157),

Gene: Sweetclover_37 Start: 27300, Stop: 27821, Start Num: 3
Candidate Starts for Sweetclover_37:
(Start: 3 @27300 has 12 MA's), (10, 27450), (11, 27471), (15, 27504), (18, 27573), (27, 27786),

Gene: TrixiePhattel_43 Start: 30777, Stop: 31151, Start Num: 3
Candidate Starts for TrixiePhattel_43:
(Start: 3 @30777 has 12 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 12 MA's), (6, 30853), (7, 30856), (8, 30859), (11, 30961), (12, 30964), (20, 31099),