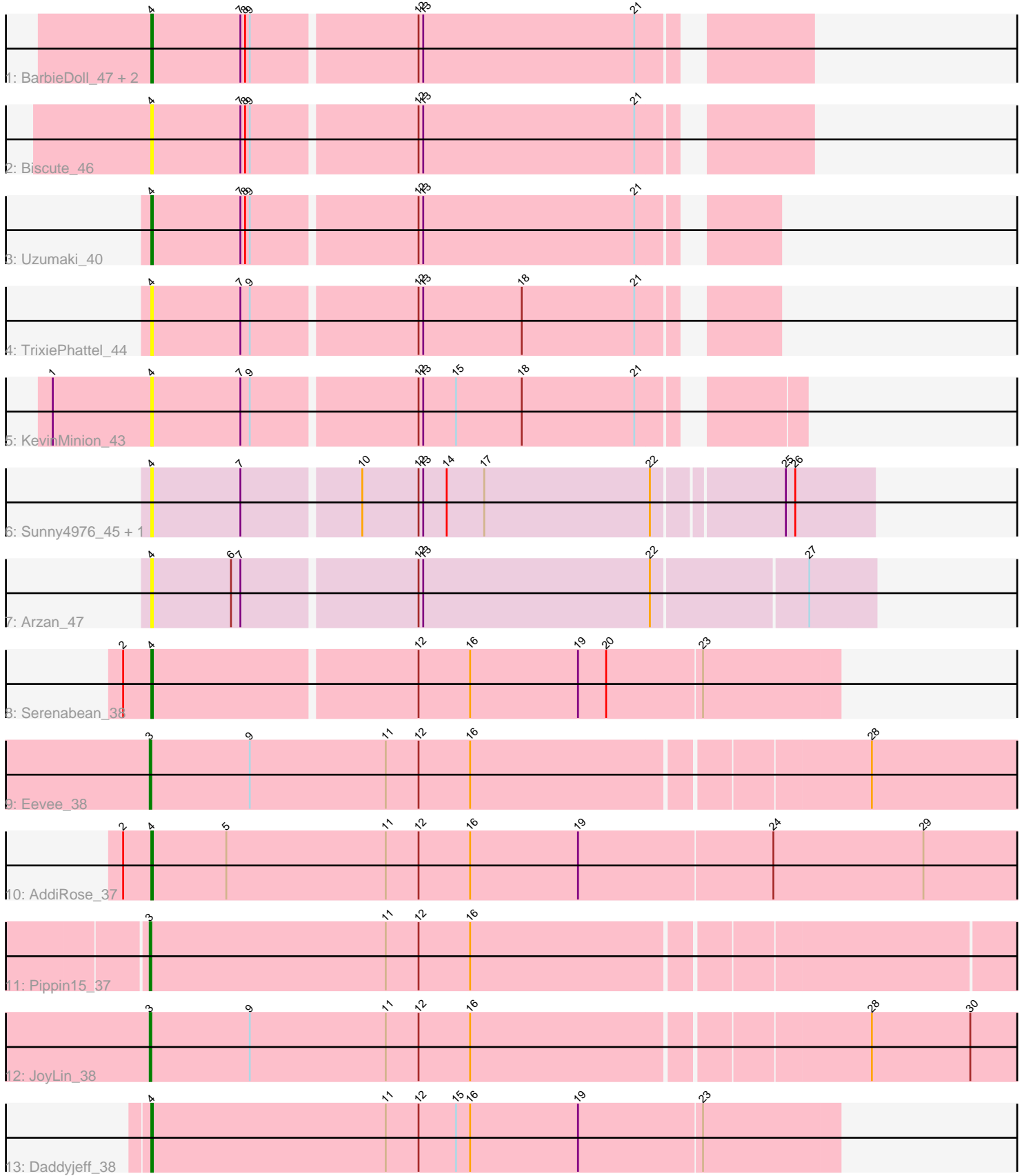


Pham 203392



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 203392 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203392 has 16 members, 8 are drafts.

Phages represented in each track:

- Track 1 : BarbieDoll_47, Kinny_47, Lewando_45
- Track 2 : Biscute_46
- Track 3 : Uzumaki_40
- Track 4 : TrixiePhattel_44
- Track 5 : KevinMinion_43
- Track 6 : Sunny4976_45, Jazzy4900_46
- Track 7 : Arzan_47
- Track 8 : Serenabean_38
- Track 9 : Eevee_38
- Track 10 : AddiRose_37
- Track 11 : Pippin15_37
- Track 12 : JoyLin_38
- Track 13 : 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 4, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AddiRose_37, Arzan_47, BarbieDoll_47, Biscute_46, Daddyjeff_38, Jazzy4900_46, KevinMinion_43, Kinny_47, Lewando_45, Serenabean_38, Sunny4976_45, TrixiePhattel_44, Uzumaki_40,

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

-

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

- Eevee_38, JoyLin_38, Pippin15_37,

Summary by start number:

Start 3:

- Found in 3 of 16 (18.8%) of genes in pham

- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eevee_38 (JA), JoyLin_38 (JA), Pippin15_37 (JA),

Start 4:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AddiRose_37 (JA), Arzan_47 (FI), BarbieDoll_47 (AU6), Biscute_46 (AU6), Daddyjeff_38 (JA), Jazzy4900_46 (FI), KevinMinion_43 (AU6), Kinny_47 (AU6), Lewando_45 (AU6), Serenabean_38 (JA), Sunny4976_45 (FI), TrixiePhattel_44 (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 4 was manually annotated 2 times for cluster AU6.

Info for manual annotations of cluster JA:

- Start number 3 was manually annotated 3 times for cluster JA.
- Start number 4 was manually annotated 3 times for cluster JA.

Gene Information:

Gene: AddiRose_37 Start: 28177, Stop: 28773, Start Num: 4

Candidate Starts for AddiRose_37:

(2, 28159), (Start: 4 @28177 has 5 MA's), (5, 28225), (11, 28327), (12, 28348), (16, 28381), (19, 28450), (24, 28573), (29, 28669),

Gene: Arzan_47 Start: 31913, Stop: 32362, Start Num: 4

Candidate Starts for Arzan_47:

(Start: 4 @31913 has 5 MA's), (6, 31964), (7, 31970), (12, 32078), (13, 32081), (22, 32225), (27, 32321),

Gene: BarbieDoll_47 Start: 32497, Stop: 32892, Start Num: 4

Candidate Starts for BarbieDoll_47:

(Start: 4 @32497 has 5 MA's), (7, 32554), (8, 32557), (9, 32560), (12, 32662), (13, 32665), (21, 32800),

Gene: Biscute_46 Start: 32150, Stop: 32545, Start Num: 4

Candidate Starts for Biscute_46:

(Start: 4 @32150 has 5 MA's), (7, 32207), (8, 32210), (9, 32213), (12, 32315), (13, 32318), (21, 32453),

Gene: Daddyjeff_38 Start: 28404, Stop: 28841, Start Num: 4

Candidate Starts for Daddyjeff_38:

(Start: 4 @28404 has 5 MA's), (11, 28554), (12, 28575), (15, 28599), (16, 28608), (19, 28677), (23, 28755),

Gene: Eevee_38 Start: 30608, Stop: 31180, Start Num: 3

Candidate Starts for Eevee_38:

(Start: 3 @30608 has 3 MA's), (9, 30671), (11, 30758), (12, 30779), (16, 30812), (28, 31055),

Gene: Jazzy4900_46 Start: 32761, Stop: 33207, Start Num: 4

Candidate Starts for Jazzy4900_46:

(Start: 4 @32761 has 5 MA's), (7, 32818), (10, 32890), (12, 32926), (13, 32929), (14, 32944), (17, 32968), (22, 33073), (25, 33151), (26, 33157),

Gene: JoyLin_38 Start: 30707, Stop: 31279, Start Num: 3

Candidate Starts for JoyLin_38:

(Start: 3 @30707 has 3 MA's), (9, 30770), (11, 30857), (12, 30878), (16, 30911), (28, 31154), (30, 31217),

Gene: KevinMinion_43 Start: 31542, Stop: 31931, Start Num: 4

Candidate Starts for KevinMinion_43:

(1, 31479), (Start: 4 @31542 has 5 MA's), (7, 31599), (9, 31605), (12, 31707), (13, 31710), (15, 31731), (18, 31773), (21, 31845),

Gene: Kinny_47 Start: 32991, Stop: 33386, Start Num: 4

Candidate Starts for Kinny_47:

(Start: 4 @32991 has 5 MA's), (7, 33048), (8, 33051), (9, 33054), (12, 33156), (13, 33159), (21, 33294),

Gene: Lewando_45 Start: 32283, Stop: 32678, Start Num: 4

Candidate Starts for Lewando_45:

(Start: 4 @32283 has 5 MA's), (7, 32340), (8, 32343), (9, 32346), (12, 32448), (13, 32451), (21, 32586),

Gene: Pippin15_37 Start: 27170, Stop: 27739, Start Num: 3

Candidate Starts for Pippin15_37:

(Start: 3 @27170 has 3 MA's), (11, 27320), (12, 27341), (16, 27374),

Gene: Serenabean_38 Start: 28434, Stop: 28865, Start Num: 4

Candidate Starts for Serenabean_38:

(2, 28416), (Start: 4 @28434 has 5 MA's), (12, 28599), (16, 28632), (19, 28701), (20, 28719), (23, 28779),

Gene: Sunny4976_45 Start: 32761, Stop: 33207, Start Num: 4

Candidate Starts for Sunny4976_45:

(Start: 4 @32761 has 5 MA's), (7, 32818), (10, 32890), (12, 32926), (13, 32929), (14, 32944), (17, 32968), (22, 33073), (25, 33151), (26, 33157),

Gene: TrixiePhattel_44 Start: 30777, Stop: 31151, Start Num: 4

Candidate Starts for TrixiePhattel_44:

(Start: 4 @30777 has 5 MA's), (7, 30834), (9, 30840), (12, 30942), (13, 30945), (18, 31008), (21, 31080),

Gene: Uzumaki_40 Start: 30796, Stop: 31170, Start Num: 4

Candidate Starts for Uzumaki_40:

(Start: 4 @30796 has 5 MA's), (7, 30853), (8, 30856), (9, 30859), (12, 30961), (13, 30964), (21, 31099),