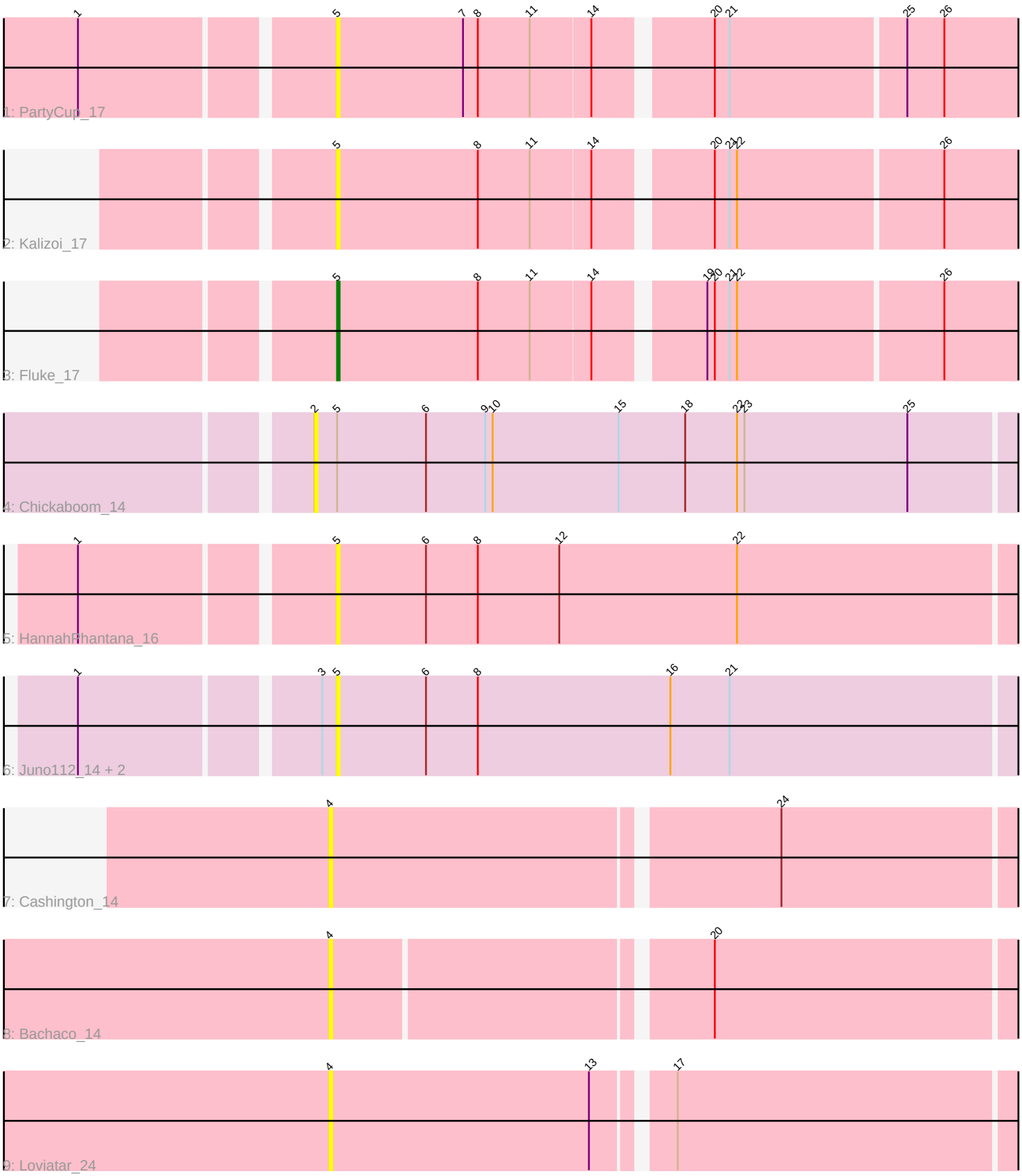
Pham 170480


1
5
7
8
11
14
20
21
25
26
1: PartyCup_17
5
8
11
14
20
21
22
26
2: Kalizoi_17
5
8
11
14
19
20
21
22
26
3: Fluke_17
2
5
6
9
10
15
18
22
23
25
4: Chickaboom_14
1
5
6
8
12
22
5: HannahPhantana_16
1
3
5
6
8
16
21
6: Juno112_14 + 2
4
24
7: Cashington_14
4
20
8: Bachaco_14
4
13
17
9: Loviatar_24

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 170480 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170480 has 11 members, 10 are drafts.

Phages represented in each track:
• Track 1 : PartyCup_17
• Track 2 : Kalizoi_17
• Track 3 : Fluke_17
• Track 4 : Chickaboom_14
• Track 5 : HannahPhantana_16
• Track 6 : Juno112_14, KHumphrey_14, PhluffyCoco_14
• Track 7 : Cashington_14
• Track 8 : Bachaco_14
• Track 9 : Loviatar_24

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:
• Fluke_17, HannahPhantana_16, Juno112_14, KHumphrey_14, Kalizoi_17, PartyCup_17, PhluffyCoco_14,

Genes that have the "Most Annotated" start but do not call it:
• Chickaboom_14,

Genes that do not have the "Most Annotated" start:
• Bachaco_14, Cashington_14, Loviatar_24,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickaboom_14 (AS1),

Start 4:

• Found in 3 of 11 (27.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bachaco_14 (EB), Cashington_14 (EB), Loviatar_24 (EB),

Start 5:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Fluke_17 (AK), HannahPhantana_16 (AS2), Juno112_14 (AS3), KHumphrey_14 (AS3), Kalizoi_17 (AK), PartyCup_17 (AK), PhluffyCoco_14 (AS3),

Summary by clusters:

There are 5 clusters represented in this pham: AS3, AS2, AK, AS1, EB,

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

Gene Information:

Gene: Bachaco_14 Start: 9488, Stop: 9847, Start Num: 4
Candidate Starts for Bachaco_14:
(4, 9488), (20, 9632),

Gene: Cashington_14 Start: 9610, Stop: 9951, Start Num: 4
Candidate Starts for Cashington_14:
(4, 9610), (24, 9784),

Gene: Chickaboom_14 Start: 9804, Stop: 10145, Start Num: 2
Candidate Starts for Chickaboom_14:
(2, 9804), (Start: 5 @9813 has 1 MA's), (6, 9849), (9, 9873), (10, 9876), (15, 9927), (18, 9954), (22, 9975), (23, 9978), (25, 10044),

Gene: Fluke_17 Start: 12295, Stop: 12609, Start Num: 5
Candidate Starts for Fluke_17:
(Start: 5 @12295 has 1 MA's), (8, 12352), (11, 12373), (14, 12397), (19, 12436), (20, 12439), (21, 12445), (22, 12448), (26, 12529),

Gene: HannahPhantana_16 Start: 10039, Stop: 10365, Start Num: 5
Candidate Starts for HannahPhantana_16:
(1, 9943), (Start: 5 @10039 has 1 MA's), (6, 10075), (8, 10096), (12, 10129), (22, 10201),

Gene: Juno112_14 Start: 9453, Stop: 9785, Start Num: 5
Candidate Starts for Juno112_14:

(1, 9357), (3, 9447), (Start: 5 @9453 has 1 MA's), (6, 9489), (8, 9510), (16, 9588), (21, 9612),

Gene: KHumphrey_14 Start: 9450, Stop: 9782, Start Num: 5
Candidate Starts for KHumphrey_14:
(1, 9354), (3, 9444), (Start: 5 @9450 has 1 MA's), (6, 9486), (8, 9507), (16, 9585), (21, 9609),

Gene: Kalizoi_17 Start: 12246, Stop: 12560, Start Num: 5
Candidate Starts for Kalizoi_17:
(Start: 5 @12246 has 1 MA's), (8, 12303), (11, 12324), (14, 12348), (20, 12390), (21, 12396), (22, 12399), (26, 12480),

Gene: Loviatar_24 Start: 9883, Stop: 10224, Start Num: 4
Candidate Starts for Loviatar_24:
(4, 9883), (13, 9988), (17, 10015),

Gene: PartyCup_17 Start: 12324, Stop: 12638, Start Num: 5
Candidate Starts for PartyCup_17:
(1, 12228), (Start: 5 @12324 has 1 MA's), (7, 12375), (8, 12381), (11, 12402), (14, 12426), (20, 12468), (21, 12474), (25, 12543), (26, 12558),

Gene: PhluffyCoco_14 Start: 9452, Stop: 9784, Start Num: 5
Candidate Starts for PhluffyCoco_14:
(1, 9356), (3, 9446), (Start: 5 @9452 has 1 MA's), (6, 9488), (8, 9509), (16, 9587), (21, 9611),