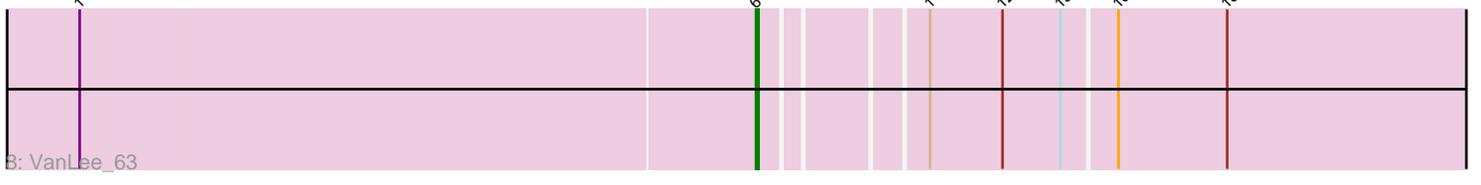
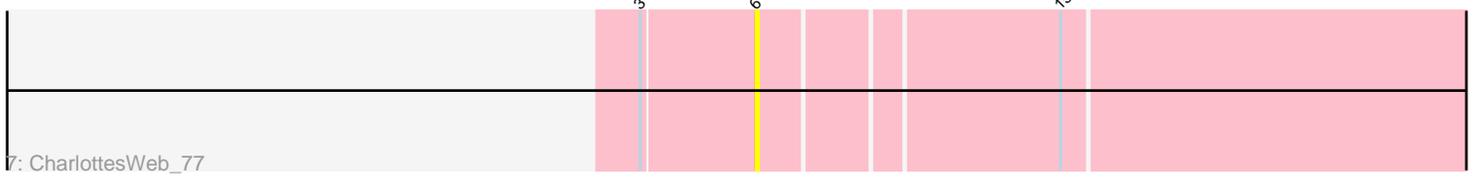
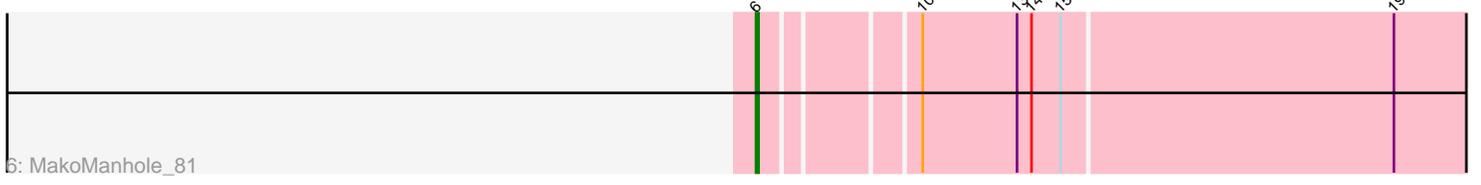
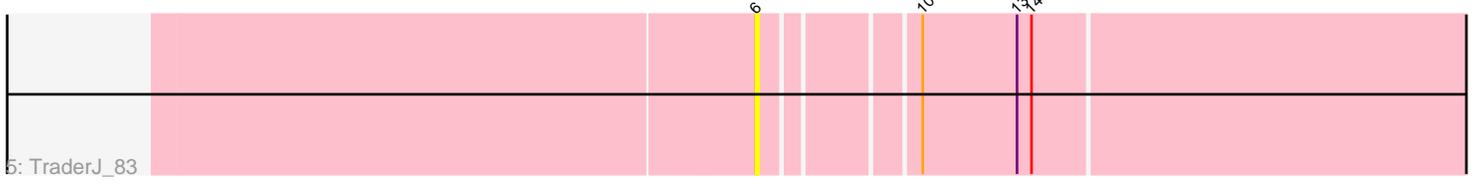
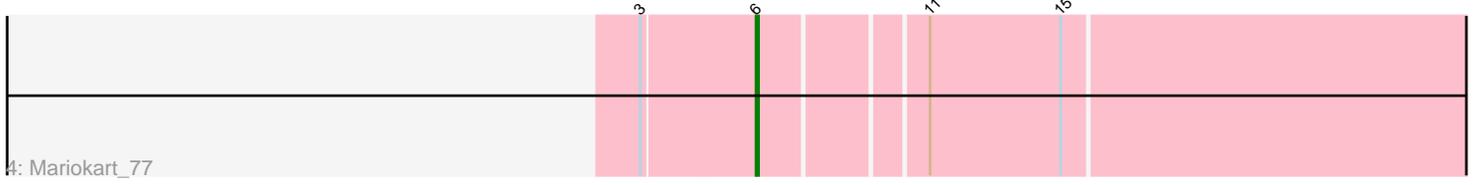
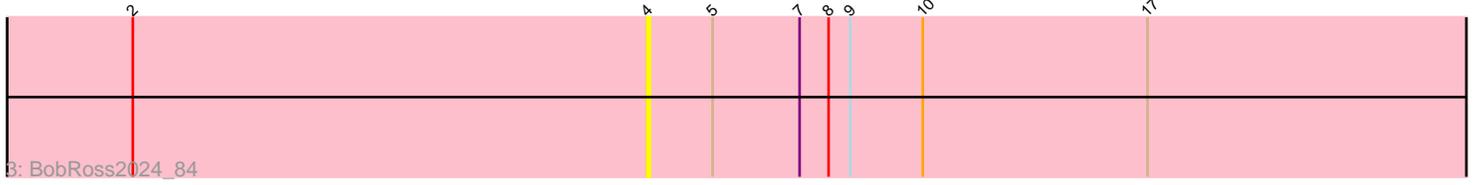
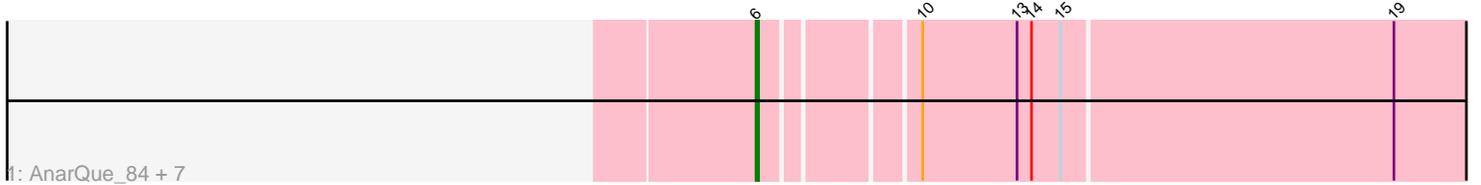


Pham 291626



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 291626 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291626 has 16 members, 6 are drafts.

Phages represented in each track:

- Track 1 : AnarQue_84, Blackpen_81, CloverMinnie_82, CaiB_83, Yeshua_83, Wooper_84, FelixTres_84, MossRose_82
- Track 2 : AksarBAT_84, NHagos_80
- Track 3 : BobRoss2024_84
- Track 4 : Mariokart_77
- Track 5 : TraderJ_83
- Track 6 : MakoManhole_81
- Track 7 : CharlottesWeb_77
- Track 8 : VanLee_63

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AksarBAT_84, AnarQue_84, Blackpen_81, CaiB_83, CharlottesWeb_77, CloverMinnie_82, FelixTres_84, MakoManhole_81, Mariokart_77, MossRose_82, NHagos_80, TraderJ_83, VanLee_63, Wooper_84, Yeshua_83,

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

-

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

- BobRoss2024_84,

Summary by start number:

Start 4:

- Found in 1 of 16 (6.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BobRoss2024_84 (DR),

Start 6:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_84 (DR), AnarQue_84 (DR), Blackpen_81 (DR), CaiB_83 (DR), CharlottesWeb_77 (DR), CloverMinnie_82 (DR), FelixTres_84 (DR), MakoManhole_81 (DR), Mariokart_77 (DR), MossRose_82 (DR), NHagos_80 (DR), TraderJ_83 (DR), VanLee_63 (KA), Wooper_84 (DR), Yeshua_83 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: KA, DR,

Info for manual annotations of cluster DR:

- Start number 6 was manually annotated 9 times for cluster DR.

Info for manual annotations of cluster KA:

- Start number 6 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: AksarBAT_84 Start: 60421, Stop: 60119, Start Num: 6

Candidate Starts for AksarBAT_84:

(Start: 6 @60421 has 10 MA's), (15, 60301),

Gene: AnarQue_84 Start: 61315, Stop: 61019, Start Num: 6

Candidate Starts for AnarQue_84:

(Start: 6 @61315 has 10 MA's), (10, 61258), (13, 61219), (14, 61213), (15, 61201), (19, 61066),

Gene: Blackpen_81 Start: 59779, Stop: 59483, Start Num: 6

Candidate Starts for Blackpen_81:

(Start: 6 @59779 has 10 MA's), (10, 59722), (13, 59683), (14, 59677), (15, 59665), (19, 59530),

Gene: BobRoss2024_84 Start: 60453, Stop: 60106, Start Num: 4

Candidate Starts for BobRoss2024_84:

(2, 60666), (4, 60453), (5, 60426), (7, 60390), (8, 60378), (9, 60369), (10, 60339), (17, 60246),

Gene: CaiB_83 Start: 61113, Stop: 60817, Start Num: 6

Candidate Starts for CaiB_83:

(Start: 6 @61113 has 10 MA's), (10, 61056), (13, 61017), (14, 61011), (15, 60999), (19, 60864),

Gene: CharlottesWeb_77 Start: 58341, Stop: 58042, Start Num: 6

Candidate Starts for CharlottesWeb_77:

(3, 58386), (Start: 6 @58341 has 10 MA's), (15, 58224),

Gene: CloverMinnie_82 Start: 60591, Stop: 60295, Start Num: 6

Candidate Starts for CloverMinnie_82:

(Start: 6 @60591 has 10 MA's), (10, 60534), (13, 60495), (14, 60489), (15, 60477), (19, 60342),

Gene: FelixTres_84 Start: 60557, Stop: 60261, Start Num: 6

Candidate Starts for FelixTres_84:

(Start: 6 @60557 has 10 MA's), (10, 60500), (13, 60461), (14, 60455), (15, 60443), (19, 60308),

Gene: MakoManhole_81 Start: 61086, Stop: 60790, Start Num: 6

Candidate Starts for MakoManhole_81:

(Start: 6 @61086 has 10 MA's), (10, 61029), (13, 60990), (14, 60984), (15, 60972), (19, 60837),

Gene: Mariokart_77 Start: 58579, Stop: 58280, Start Num: 6

Candidate Starts for Mariokart_77:

(3, 58624), (Start: 6 @58579 has 10 MA's), (11, 58516), (15, 58462),

Gene: MossRose_82 Start: 60565, Stop: 60269, Start Num: 6

Candidate Starts for MossRose_82:

(Start: 6 @60565 has 10 MA's), (10, 60508), (13, 60469), (14, 60463), (15, 60451), (19, 60316),

Gene: NHagos_80 Start: 59095, Stop: 58793, Start Num: 6

Candidate Starts for NHagos_80:

(Start: 6 @59095 has 10 MA's), (15, 58975),

Gene: TraderJ_83 Start: 60657, Stop: 60361, Start Num: 6

Candidate Starts for TraderJ_83:

(Start: 6 @60657 has 10 MA's), (10, 60600), (13, 60561), (14, 60555),

Gene: VanLee_63 Start: 40991, Stop: 41281, Start Num: 6

Candidate Starts for VanLee_63:

(1, 40715), (Start: 6 @40991 has 10 MA's), (11, 41051), (12, 41081), (15, 41105), (16, 41126), (18, 41171),

Gene: Wooper_84 Start: 60648, Stop: 60352, Start Num: 6

Candidate Starts for Wooper_84:

(Start: 6 @60648 has 10 MA's), (10, 60591), (13, 60552), (14, 60546), (15, 60534), (19, 60399),

Gene: Yeshua_83 Start: 60624, Stop: 60328, Start Num: 6

Candidate Starts for Yeshua_83:

(Start: 6 @60624 has 10 MA's), (10, 60567), (13, 60528), (14, 60522), (15, 60510), (19, 60375),