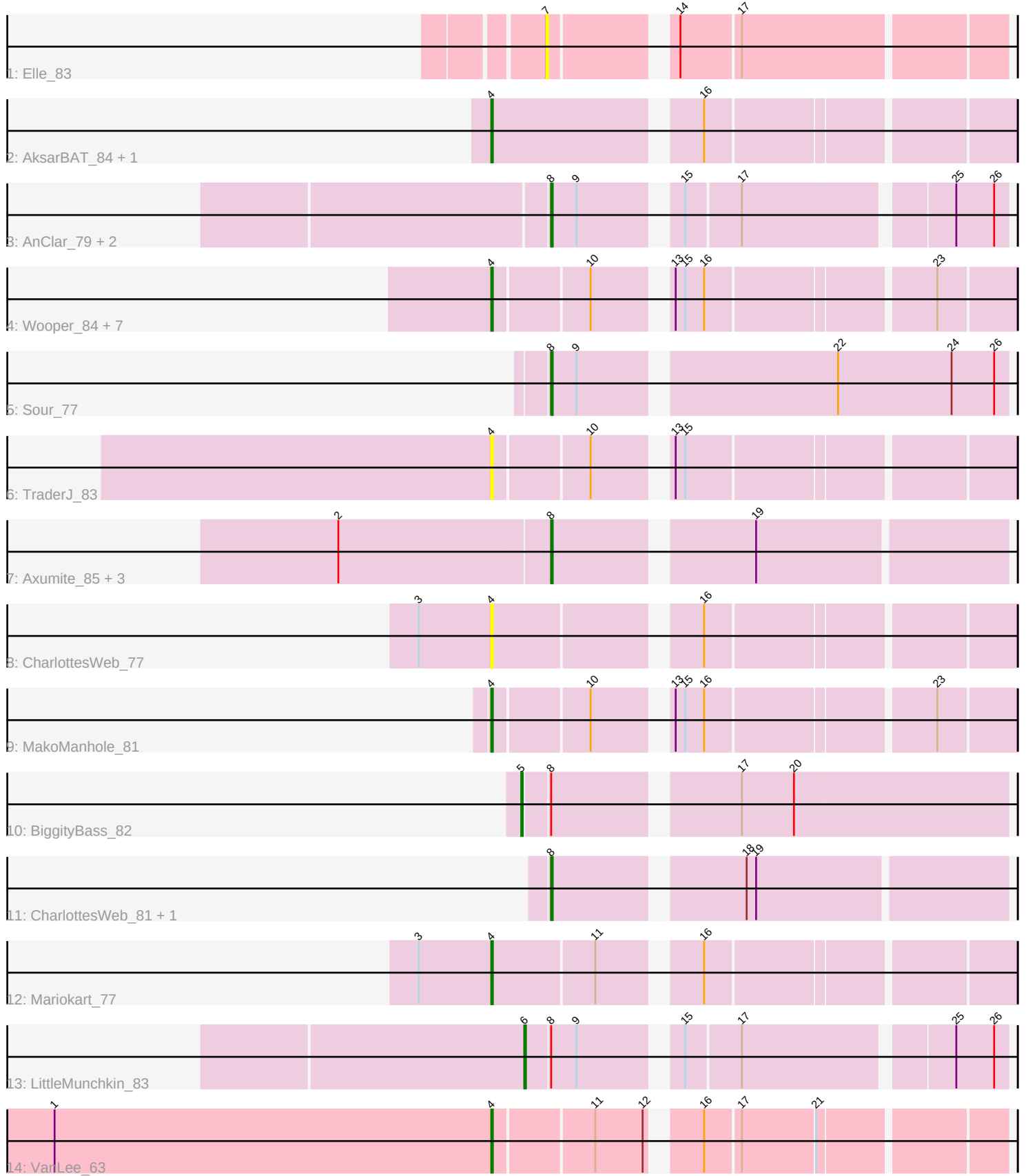


Pham 280763



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 280763 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280763 has 28 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Elle_83
- Track 2 : AksarBAT_84, NHagos_80
- Track 3 : AnClar_79, Sisko_82, Yago84_81
- Track 4 : Wooper_84, FelixTres_84, CaiB_83, AnarQue_84, Blackpen_81, CloverMinnie_82, Yeshua_83, MossRose_82
- Track 5 : Sour_77
- Track 6 : TraderJ_83
- Track 7 : Axumite_85, Shatter_85, Fresco_85, Ligma_85
- Track 8 : CharlottesWeb_77
- Track 9 : MakoManhole_81
- Track 10 : BiggityBass_82
- Track 11 : CharlottesWeb_81, Mariokart_81
- Track 12 : Mariokart_77
- Track 13 : LittleMunchkin_83
- Track 14 : 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 4, it was called in 10 of the 21 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:

- AnClar_79, Axumite_85, BiggityBass_82, CharlottesWeb_81, Elle_83, Fresco_85, Ligma_85, LittleMunchkin_83, Mariokart_81, Shatter_85, Sisko_82, Sour_77, Yago84_81,

Summary by start number:

Start 4:

- Found in 15 of 28 (53.6%) of genes in pham
- Manual Annotations of this start: 10 of 21
- 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),

Start 5:

- Found in 1 of 28 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_82 (DR),

Start 6:

- Found in 1 of 28 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleMunchkin_83 (DR),

Start 7:

- Found in 1 of 28 (3.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elle_83 (A15),

Start 8:

- Found in 12 of 28 (42.9%) of genes in pham
- Manual Annotations of this start: 9 of 21
- Called 83.3% of time when present
- Phage (with cluster) where this start called: AnClar_79 (DR), Axumite_85 (DR), CharlottesWeb_81 (DR), Fresco_85 (DR), Ligma_85 (DR), Mariokart_81 (DR), Shatter_85 (DR), Sisko_82 (DR), Sour_77 (DR), Yago84_81 (DR),

Summary by clusters:

There are 3 clusters represented in this pham: A15, KA, DR,

Info for manual annotations of cluster DR:

- Start number 4 was manually annotated 9 times for cluster DR.
- Start number 5 was manually annotated 1 time for cluster DR.
- Start number 6 was manually annotated 1 time for cluster DR.
- Start number 8 was manually annotated 9 times for cluster DR.

Info for manual annotations of cluster KA:

- Start number 4 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: AksarBAT_84 Start: 60421, Stop: 60119, Start Num: 4

Candidate Starts for AksarBAT_84:

(Start: 4 @60421 has 10 MA's), (16, 60301),

Gene: AnClar_79 Start: 61333, Stop: 61076, Start Num: 8

Candidate Starts for AnClar_79:

(Start: 8 @61333 has 9 MA's), (9, 61318), (15, 61264), (17, 61231), (25, 61108), (26, 61084),

Gene: AnarQue_84 Start: 61315, Stop: 61019, Start Num: 4

Candidate Starts for AnarQue_84:

(Start: 4 @61315 has 10 MA's), (10, 61258), (13, 61219), (15, 61213), (16, 61201), (23, 61066),

Gene: Axumite_85 Start: 61188, Stop: 60922, Start Num: 8

Candidate Starts for Axumite_85:

(2, 61320), (Start: 8 @61188 has 9 MA's), (19, 61074),

Gene: BiggityBass_82 Start: 62678, Stop: 62391, Start Num: 5

Candidate Starts for BiggityBass_82:

(Start: 5 @62678 has 1 MA's), (Start: 8 @62663 has 9 MA's), (17, 62558), (20, 62525),

Gene: Blackpen_81 Start: 59779, Stop: 59483, Start Num: 4

Candidate Starts for Blackpen_81:

(Start: 4 @59779 has 10 MA's), (10, 59722), (13, 59683), (15, 59677), (16, 59665), (23, 59530),

Gene: CaiB_83 Start: 61113, Stop: 60817, Start Num: 4

Candidate Starts for CaiB_83:

(Start: 4 @61113 has 10 MA's), (10, 61056), (13, 61017), (15, 61011), (16, 60999), (23, 60864),

Gene: CharlottesWeb_77 Start: 58341, Stop: 58042, Start Num: 4

Candidate Starts for CharlottesWeb_77:

(3, 58386), (Start: 4 @58341 has 10 MA's), (16, 58224),

Gene: CharlottesWeb_81 Start: 59991, Stop: 59725, Start Num: 8

Candidate Starts for CharlottesWeb_81:

(Start: 8 @59991 has 9 MA's), (18, 59883), (19, 59877),

Gene: CloverMinnie_82 Start: 60591, Stop: 60295, Start Num: 4

Candidate Starts for CloverMinnie_82:

(Start: 4 @60591 has 10 MA's), (10, 60534), (13, 60495), (15, 60489), (16, 60477), (23, 60342),

Gene: Elle_83 Start: 46131, Stop: 45871, Start Num: 7

Candidate Starts for Elle_83:

(7, 46131), (14, 46065), (17, 46029),

Gene: FelixTres_84 Start: 60557, Stop: 60261, Start Num: 4

Candidate Starts for FelixTres_84:

(Start: 4 @60557 has 10 MA's), (10, 60500), (13, 60461), (15, 60455), (16, 60443), (23, 60308),

Gene: Fresco_85 Start: 61194, Stop: 60928, Start Num: 8

Candidate Starts for Fresco_85:

(2, 61326), (Start: 8 @61194 has 9 MA's), (19, 61080),

Gene: Ligma_85 Start: 61188, Stop: 60922, Start Num: 8

Candidate Starts for Ligma_85:

(2, 61320), (Start: 8 @61188 has 9 MA's), (19, 61074),

Gene: LittleMunchkin_83 Start: 62693, Stop: 62421, Start Num: 6

Candidate Starts for LittleMunchkin_83:

(Start: 6 @62693 has 1 MA's), (Start: 8 @62678 has 9 MA's), (9, 62663), (15, 62609), (17, 62576), (25, 62453), (26, 62429),

Gene: MakoManhole_81 Start: 61086, Stop: 60790, Start Num: 4

Candidate Starts for MakoManhole_81:

(Start: 4 @61086 has 10 MA's), (10, 61029), (13, 60990), (15, 60984), (16, 60972), (23, 60837),

Gene: Mariokart_77 Start: 58579, Stop: 58280, Start Num: 4

Candidate Starts for Mariokart_77:

(3, 58624), (Start: 4 @58579 has 10 MA's), (11, 58516), (16, 58462),

Gene: Mariokart_81 Start: 60229, Stop: 59963, Start Num: 8

Candidate Starts for Mariokart_81:

(Start: 8 @60229 has 9 MA's), (18, 60121), (19, 60115),

Gene: MossRose_82 Start: 60565, Stop: 60269, Start Num: 4

Candidate Starts for MossRose_82:

(Start: 4 @60565 has 10 MA's), (10, 60508), (13, 60469), (15, 60463), (16, 60451), (23, 60316),

Gene: NHagos_80 Start: 59095, Stop: 58793, Start Num: 4

Candidate Starts for NHagos_80:

(Start: 4 @59095 has 10 MA's), (16, 58975),

Gene: Shatter_85 Start: 61188, Stop: 60922, Start Num: 8

Candidate Starts for Shatter_85:

(2, 61320), (Start: 8 @61188 has 9 MA's), (19, 61074),

Gene: Sisko_82 Start: 61674, Stop: 61402, Start Num: 8

Candidate Starts for Sisko_82:

(Start: 8 @61674 has 9 MA's), (9, 61659), (15, 61590), (17, 61557), (25, 61434), (26, 61410),

Gene: Sour_77 Start: 61148, Stop: 60876, Start Num: 8

Candidate Starts for Sour_77:

(Start: 8 @61148 has 9 MA's), (9, 61133), (22, 60983), (24, 60911), (26, 60884),

Gene: TraderJ_83 Start: 60657, Stop: 60361, Start Num: 4

Candidate Starts for TraderJ_83:

(Start: 4 @60657 has 10 MA's), (10, 60600), (13, 60561), (15, 60555),

Gene: VanLee_63 Start: 40991, Stop: 41281, Start Num: 4

Candidate Starts for VanLee_63:

(1, 40715), (Start: 4 @40991 has 10 MA's), (11, 41051), (12, 41081), (16, 41105), (17, 41126), (21, 41171),

Gene: Wooper_84 Start: 60648, Stop: 60352, Start Num: 4

Candidate Starts for Wooper_84:

(Start: 4 @60648 has 10 MA's), (10, 60591), (13, 60552), (15, 60546), (16, 60534), (23, 60399),

Gene: Yago84_81 Start: 61367, Stop: 61110, Start Num: 8

Candidate Starts for Yago84_81:

(Start: 8 @61367 has 9 MA's), (9, 61352), (15, 61298), (17, 61265), (25, 61142), (26, 61118),

Gene: Yeshua_83 Start: 60624, Stop: 60328, Start Num: 4

Candidate Starts for Yeshua_83:

(Start: 4 @60624 has 10 MA's), (10, 60567), (13, 60528), (15, 60522), (16, 60510), (23, 60375),