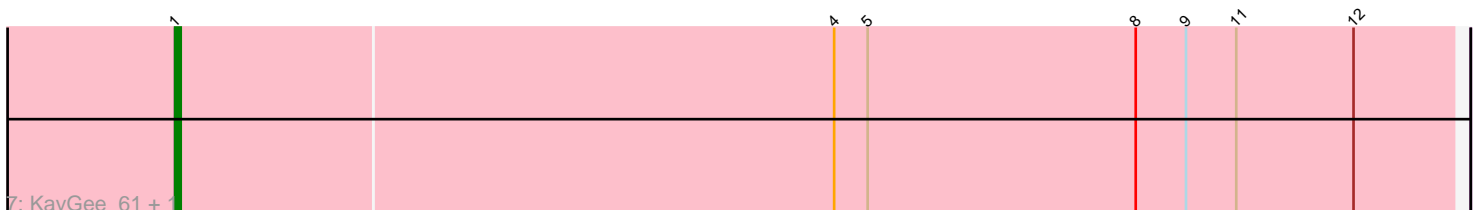
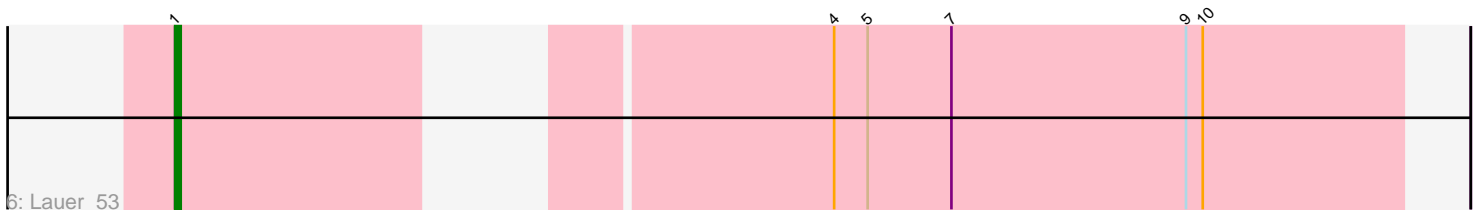
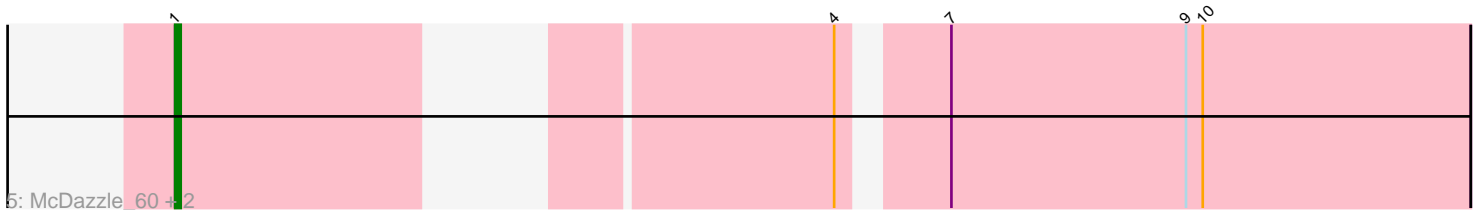
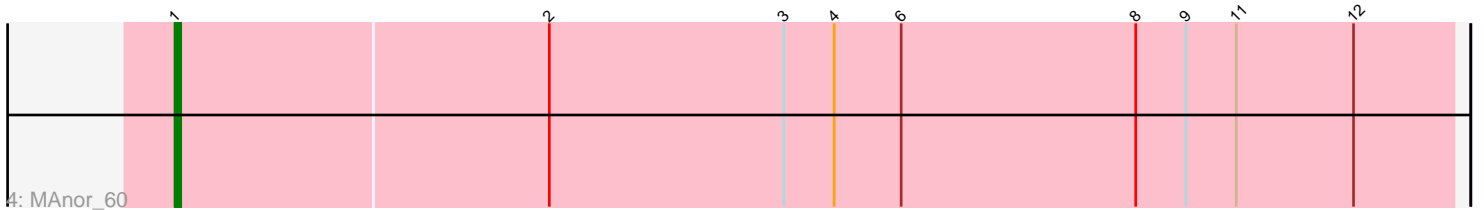
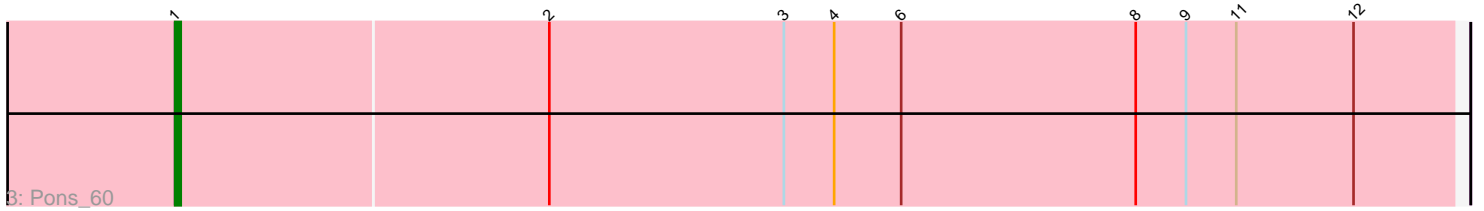
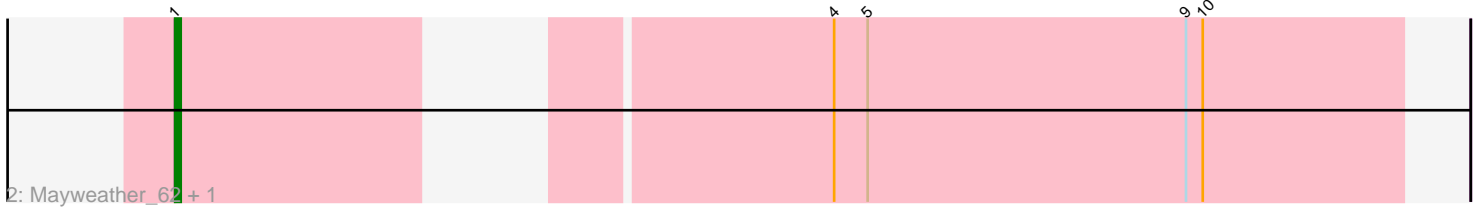
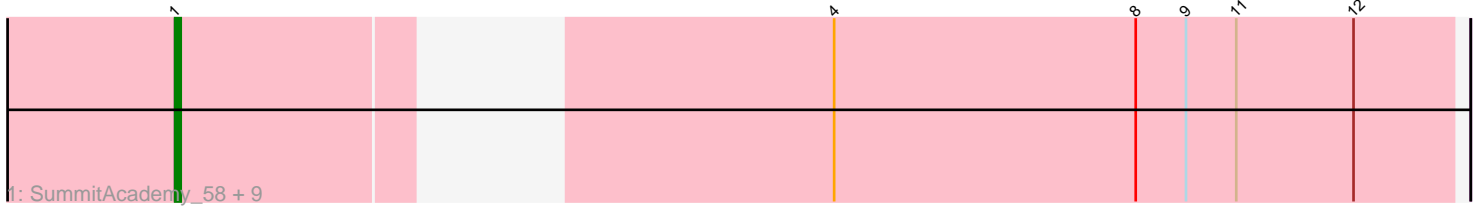


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 300375 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300375 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : SummitAcademy\_58, Yucky\_61, BigChungus\_58, CocoaPuff\_58, Feastonyeet\_58, Tarnish\_58, Balloona\_57, PotPie\_58, Vine\_61, Bavidard\_57
- Track 2 : Mayweather\_62, CherryonLim\_59
- Track 3 : Pons\_60
- Track 4 : MAnor\_60
- Track 5 : McDazzle\_60, SheckWes\_62, ElJefes\_60
- Track 6 : Lauer\_53
- Track 7 : KayGee\_61, Elinal\_63

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Balloona\_57, Bavidard\_57, BigChungus\_58, CherryonLim\_59, CocoaPuff\_58, ElJefes\_60, Elinal\_63, Feastonyeet\_58, KayGee\_61, Lauer\_53, MAnor\_60, Mayweather\_62, McDazzle\_60, Pons\_60, PotPie\_58, SheckWes\_62, SummitAcademy\_58, Tarnish\_58, Vine\_61, Yucky\_61,

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 1:

- Found in 20 of 20 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Balloona\_57 (CT), Bavidard\_57 (CT), BigChungus\_58 (CT), CherryonLim\_59 (CT), CocoaPuff\_58 (CT), ElJefes\_60 (CT),

Elinal\_63 (CT), Feastonyeet\_58 (CT), KayGee\_61 (CT), Lauer\_53 (CT), MAnor\_60 (CT), Mayweather\_62 (CT), McDazzle\_60 (CT), Pons\_60 (CT), PotPie\_58 (CT), SheckWes\_62 (CT), SummitAcademy\_58 (CT), Tarnish\_58 (CT), Vine\_61 (CT), Yucky\_61 (CT),

### **Summary by clusters:**

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

•Start number 1 was manually annotated 15 times for cluster CT.

### **Gene Information:**

Gene: Balloona\_57 Start: 41340, Stop: 41140, Start Num: 1

Candidate Starts for Balloona\_57:

(Start: 1 @41340 has 15 MA's), (4, 41250), (8, 41196), (9, 41187), (11, 41178), (12, 41157),

Gene: Bavilard\_57 Start: 40350, Stop: 40153, Start Num: 1

Candidate Starts for Bavilard\_57:

(Start: 1 @40350 has 15 MA's), (4, 40260), (8, 40206), (9, 40197), (11, 40188), (12, 40167),

Gene: BigChungus\_58 Start: 40881, Stop: 40681, Start Num: 1

Candidate Starts for BigChungus\_58:

(Start: 1 @40881 has 15 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: CherryonLim\_59 Start: 42360, Stop: 42154, Start Num: 1

Candidate Starts for CherryonLim\_59:

(Start: 1 @42360 has 15 MA's), (4, 42267), (5, 42261), (9, 42204), (10, 42201),

Gene: CocoaPuff\_58 Start: 40886, Stop: 40686, Start Num: 1

Candidate Starts for CocoaPuff\_58:

(Start: 1 @40886 has 15 MA's), (4, 40796), (8, 40742), (9, 40733), (11, 40724), (12, 40703),

Gene: ElJefes\_60 Start: 41416, Stop: 41216, Start Num: 1

Candidate Starts for ElJefes\_60:

(Start: 1 @41416 has 15 MA's), (4, 41323), (7, 41308), (9, 41266), (10, 41263),

Gene: Elinal\_63 Start: 41689, Stop: 41462, Start Num: 1

Candidate Starts for Elinal\_63:

(Start: 1 @41689 has 15 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Feastonyeet\_58 Start: 40881, Stop: 40681, Start Num: 1

Candidate Starts for Feastonyeet\_58:

(Start: 1 @40881 has 15 MA's), (4, 40791), (8, 40737), (9, 40728), (11, 40719), (12, 40698),

Gene: KayGee\_61 Start: 41689, Stop: 41462, Start Num: 1

Candidate Starts for KayGee\_61:

(Start: 1 @41689 has 15 MA's), (4, 41572), (5, 41566), (8, 41518), (9, 41509), (11, 41500), (12, 41479),

Gene: Lauer\_53 Start: 41866, Stop: 41672, Start Num: 1

Candidate Starts for Lauer\_53:

(Start: 1 @41866 has 15 MA's), (4, 41773), (5, 41767), (7, 41752), (9, 41710), (10, 41707),

Gene: MAnor\_60 Start: 41820, Stop: 41593, Start Num: 1

Candidate Starts for MAnor\_60:

(Start: 1 @41820 has 15 MA's), (2, 41754), (3, 41712), (4, 41703), (6, 41691), (8, 41649), (9, 41640), (11, 41631), (12, 41610),

Gene: Mayweather\_62 Start: 42083, Stop: 41889, Start Num: 1

Candidate Starts for Mayweather\_62:

(Start: 1 @42083 has 15 MA's), (4, 41990), (5, 41984), (9, 41927), (10, 41924),

Gene: McDazzle\_60 Start: 41410, Stop: 41210, Start Num: 1

Candidate Starts for McDazzle\_60:

(Start: 1 @41410 has 15 MA's), (4, 41317), (7, 41302), (9, 41260), (10, 41257),

Gene: Pons\_60 Start: 41425, Stop: 41198, Start Num: 1

Candidate Starts for Pons\_60:

(Start: 1 @41425 has 15 MA's), (2, 41359), (3, 41317), (4, 41308), (6, 41296), (8, 41254), (9, 41245), (11, 41236), (12, 41215),

Gene: PotPie\_58 Start: 41916, Stop: 41716, Start Num: 1

Candidate Starts for PotPie\_58:

(Start: 1 @41916 has 15 MA's), (4, 41826), (8, 41772), (9, 41763), (11, 41754), (12, 41733),

Gene: SheckWes\_62 Start: 40956, Stop: 40756, Start Num: 1

Candidate Starts for SheckWes\_62:

(Start: 1 @40956 has 15 MA's), (4, 40863), (7, 40848), (9, 40806), (10, 40803),

Gene: SummitAcademy\_58 Start: 41059, Stop: 40859, Start Num: 1

Candidate Starts for SummitAcademy\_58:

(Start: 1 @41059 has 15 MA's), (4, 40969), (8, 40915), (9, 40906), (11, 40897), (12, 40876),

Gene: Tarnish\_58 Start: 41240, Stop: 41043, Start Num: 1

Candidate Starts for Tarnish\_58:

(Start: 1 @41240 has 15 MA's), (4, 41150), (8, 41096), (9, 41087), (11, 41078), (12, 41057),

Gene: Vine\_61 Start: 41682, Stop: 41482, Start Num: 1

Candidate Starts for Vine\_61:

(Start: 1 @41682 has 15 MA's), (4, 41592), (8, 41538), (9, 41529), (11, 41520), (12, 41499),

Gene: Yucky\_61 Start: 41474, Stop: 41274, Start Num: 1

Candidate Starts for Yucky\_61:

(Start: 1 @41474 has 15 MA's), (4, 41384), (8, 41330), (9, 41321), (11, 41312), (12, 41291),