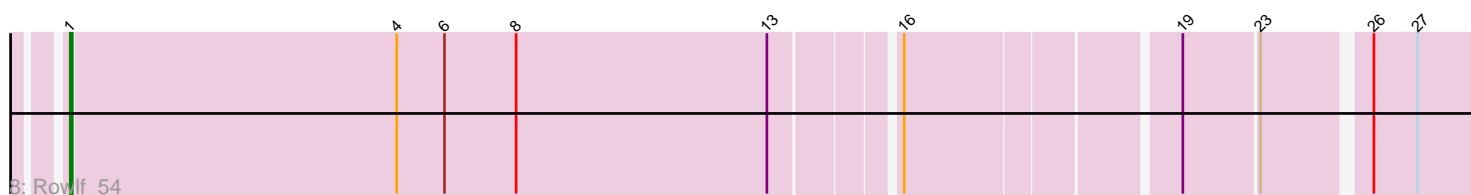
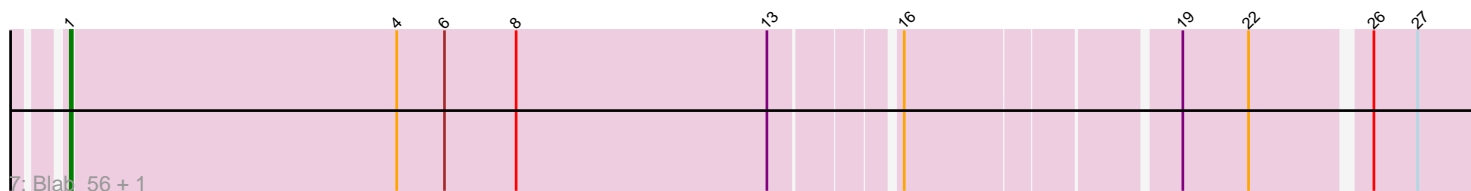
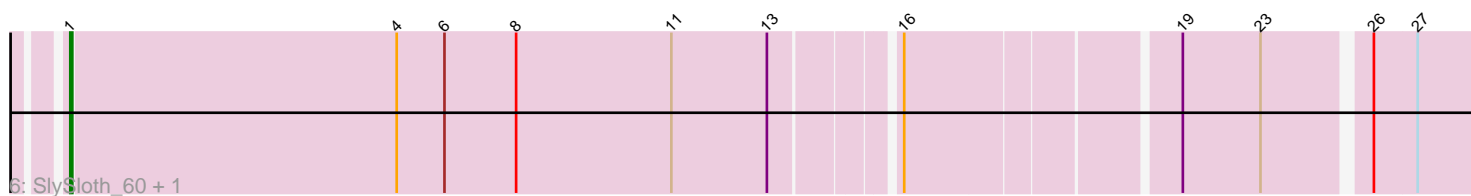
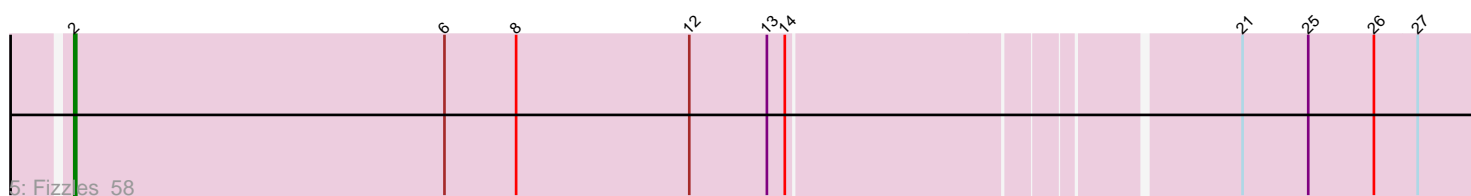
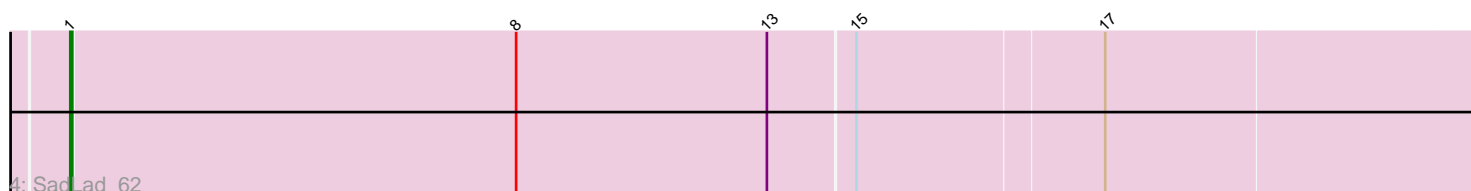
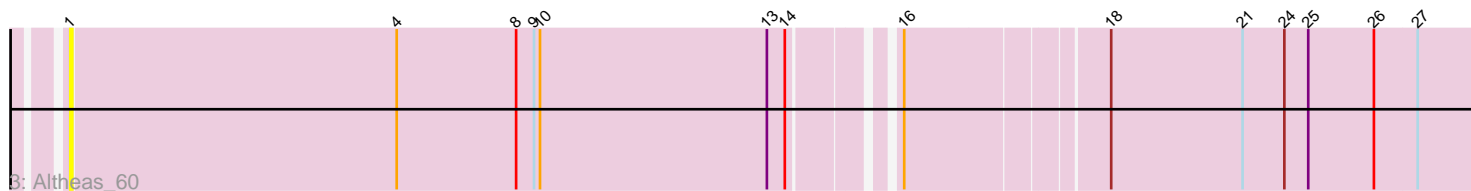
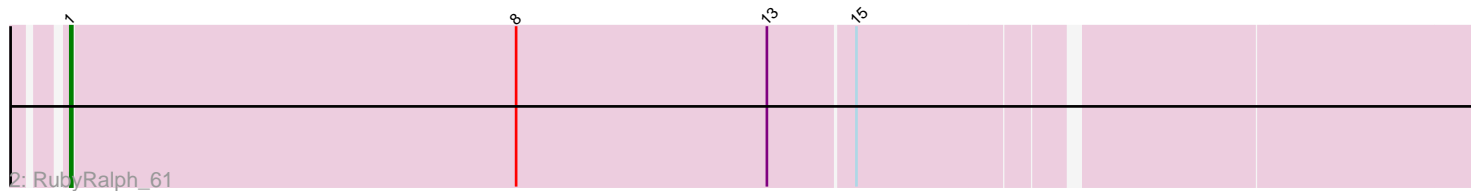
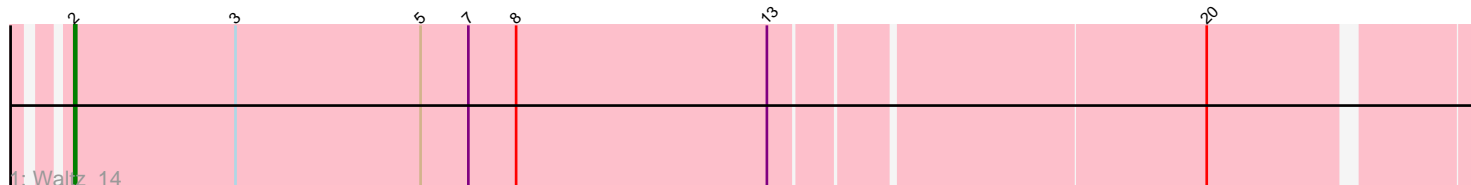


# Pham 278834



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 278834 Report

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

Pham number 278834 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Waltz\_14
- Track 2 : RubyRalph\_61
- Track 3 : Altheas\_60
- Track 4 : SadLad\_62
- Track 5 : Fizzles\_58
- Track 6 : SlySloth\_60, BabyDotz\_58
- Track 7 : Blab\_56, AluminumJesus\_55
- Track 8 : Rowlf\_54

### ***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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas\_60, AluminumJesus\_55, BabyDotz\_58, Blab\_56, Rowlf\_54, RubyRalph\_61, SadLad\_62, SlySloth\_60,

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

- 

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

- Fizzles\_58, Waltz\_14,

### **Summary by start number:**

Start 1:

- Found in 8 of 10 ( 80.0% ) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas\_60 (EG), AluminumJesus\_55 (EG), BabyDotz\_58 (EG), Blab\_56 (EG), Rowlf\_54 (EG), RubyRalph\_61 (EG), SadLad\_62 (EG), SlySloth\_60 (EG),

Start 2:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fizzles\_58 (EG), Waltz\_14 (AL),

### **Summary by clusters:**

There are 2 clusters represented in this pham: EG, AL,

Info for manual annotations of cluster AL:

- Start number 2 was manually annotated 1 time for cluster AL.

Info for manual annotations of cluster EG:

- Start number 1 was manually annotated 6 times for cluster EG.
- Start number 2 was manually annotated 1 time for cluster EG.

### **Gene Information:**

Gene: Altheas\_60 Start: 43871, Stop: 43149, Start Num: 1

Candidate Starts for Altheas\_60:

(Start: 1 @43871 has 6 MA's), (4, 43709), (8, 43649), (9, 43640), (10, 43637), (13, 43523), (14, 43514), (16, 43472), (18, 43379), (21, 43313), (24, 43292), (25, 43280), (26, 43247), (27, 43226),

Gene: AluminumJesus\_55 Start: 42828, Stop: 42118, Start Num: 1

Candidate Starts for AluminumJesus\_55:

(Start: 1 @42828 has 6 MA's), (4, 42666), (6, 42642), (8, 42606), (13, 42480), (16, 42423), (19, 42297), (22, 42264), (26, 42210), (27, 42189),

Gene: BabyDotz\_58 Start: 44301, Stop: 43588, Start Num: 1

Candidate Starts for BabyDotz\_58:

(Start: 1 @44301 has 6 MA's), (4, 44139), (6, 44115), (8, 44079), (11, 44001), (13, 43953), (16, 43899), (19, 43773), (23, 43737), (26, 43689), (27, 43668),

Gene: Blab\_56 Start: 43444, Stop: 42740, Start Num: 1

Candidate Starts for Blab\_56:

(Start: 1 @43444 has 6 MA's), (4, 43282), (6, 43258), (8, 43222), (13, 43096), (16, 43042), (19, 42916), (22, 42883), (26, 42829), (27, 42808),

Gene: Fizzles\_58 Start: 43354, Stop: 42620, Start Num: 2

Candidate Starts for Fizzles\_58:

(Start: 2 @43354 has 2 MA's), (6, 43168), (8, 43132), (12, 43045), (13, 43006), (14, 42997), (21, 42787), (25, 42754), (26, 42721), (27, 42700),

Gene: Rowlf\_54 Start: 42772, Stop: 42059, Start Num: 1

Candidate Starts for Rowlf\_54:

(Start: 1 @42772 has 6 MA's), (4, 42610), (6, 42586), (8, 42550), (13, 42424), (16, 42370), (19, 42244), (23, 42208), (26, 42160), (27, 42139),

Gene: RubyRalph\_61 Start: 45401, Stop: 44676, Start Num: 1

Candidate Starts for RubyRalph\_61:

(Start: 1 @45401 has 6 MA's), (8, 45179), (13, 45053), (15, 45011),

Gene: SadLad\_62 Start: 46174, Stop: 45440, Start Num: 1

Candidate Starts for SadLad\_62:

(Start: 1 @46174 has 6 MA's), (8, 45952), (13, 45826), (15, 45784), (17, 45664),

Gene: SlySloth\_60 Start: 43419, Stop: 42703, Start Num: 1

Candidate Starts for SlySloth\_60:

(Start: 1 @43419 has 6 MA's), (4, 43257), (6, 43233), (8, 43197), (11, 43119), (13, 43071), (16, 43017),  
(19, 42891), (23, 42852), (26, 42804), (27, 42783),

Gene: Waltz\_14 Start: 9797, Stop: 10513, Start Num: 2

Candidate Starts for Waltz\_14:

(Start: 2 @9797 has 2 MA's), (3, 9878), (5, 9971), (7, 9995), (8, 10019), (13, 10145), (20, 10352),