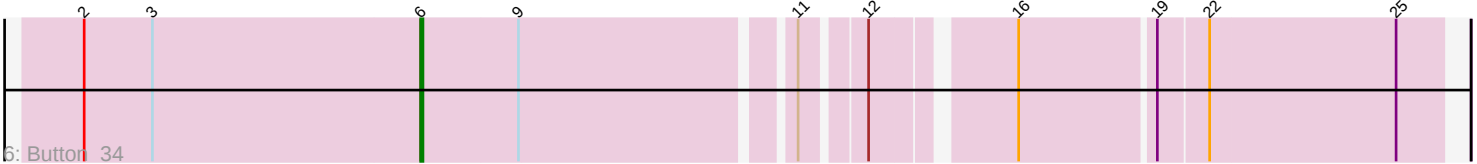
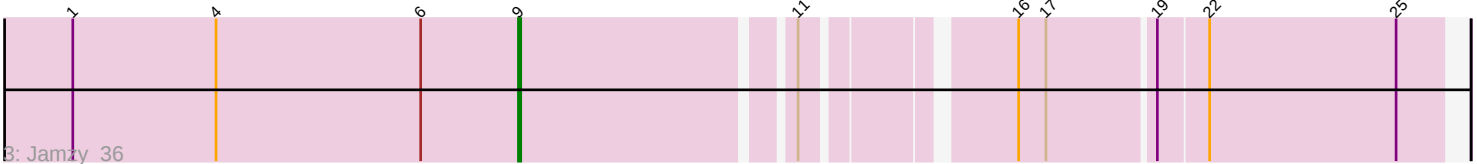


Pham 309639



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 309639 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309639 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Salvus_4, LongHai_4
- Track 2 : Orla_39, Nodigi_39, Hexbug_39
- Track 3 : Jamzy_36
- Track 4 : Margaret_38
- Track 5 : MunkgeeRoachy_30
- Track 6 : Button_34
- Track 7 : GiKK_36
- Track 8 : Yakult_35
- Track 9 : RanchParmCat_37

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

The start number called the most often in the published annotations is 9, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GiKK_36, Hexbug_39, Jamzy_36, Margaret_38, Nodigi_39, Orla_39,

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

- Button_34, Yakult_35,

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

- LongHai_4, MunkgeeRoachy_30, RanchParmCat_37, Salvus_4,

Summary by start number:

Start 6:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Button_34 (CT), Yakult_35 (CT),

Start 7:

- Found in 1 of 12 (8.3%) of genes in pham

- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MunkgeeRoachy_30 (CT),

Start 8:

- Found in 2 of 12 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LongHai_4 (AB), Salvus_4 (AB),

Start 9:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 6 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: GiKK_36 (CT), Hexbug_39 (CT), Jamzy_36 (CT), Margaret_38 (CT), Nodigi_39 (CT), Orla_39 (CT),

Start 10:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RanchParmCat_37 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: AB, CT,

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 2 times for cluster CT.
- Start number 7 was manually annotated 1 time for cluster CT.
- Start number 9 was manually annotated 6 times for cluster CT.
- Start number 10 was manually annotated 1 time for cluster CT.

Gene Information:

Gene: Button_34 Start: 25435, Stop: 25025, Start Num: 6

Candidate Starts for Button_34:

(2, 25582), (3, 25552), (Start: 6 @25435 has 2 MA's), (Start: 9 @25393 has 6 MA's), (11, 25282), (12, 25258), (16, 25204), (19, 25147), (22, 25126), (25, 25045),

Gene: GiKK_36 Start: 25725, Stop: 25342, Start Num: 9

Candidate Starts for GiKK_36:

(Start: 9 @25725 has 6 MA's), (23, 25446),

Gene: Hexbug_39 Start: 27377, Stop: 26994, Start Num: 9

Candidate Starts for Hexbug_39:

(Start: 9 @27377 has 6 MA's), (23, 27098),

Gene: Jamzy_36 Start: 25705, Stop: 25337, Start Num: 9

Candidate Starts for Jamzy_36:

(1, 25900), (4, 25837), (Start: 6 @25747 has 2 MA's), (Start: 9 @25705 has 6 MA's), (11, 25594), (16, 25516), (17, 25504), (19, 25459), (22, 25438), (25, 25357),

Gene: LongHai_4 Start: 1150, Stop: 1473, Start Num: 8

Candidate Starts for LongHai_4:

(8, 1150), (21, 1366),

Gene: Margaret_38 Start: 26378, Stop: 25992, Start Num: 9

Candidate Starts for Margaret_38:

(Start: 9 @26378 has 6 MA's), (13, 26207), (15, 26162), (16, 26159), (17, 26147), (20, 26105), (22, 26090), (26, 26000),

Gene: MunkgeeRoachy_30 Start: 24629, Stop: 24198, Start Num: 7

Candidate Starts for MunkgeeRoachy_30:

(5, 24653), (Start: 7 @24629 has 1 MA's), (14, 24422), (23, 24308),

Gene: Nodigi_39 Start: 27360, Stop: 26992, Start Num: 9

Candidate Starts for Nodigi_39:

(Start: 9 @27360 has 6 MA's), (23, 27096),

Gene: Orla_39 Start: 27348, Stop: 26965, Start Num: 9

Candidate Starts for Orla_39:

(Start: 9 @27348 has 6 MA's), (23, 27069),

Gene: RanchParmCat_37 Start: 26520, Stop: 26161, Start Num: 10

Candidate Starts for RanchParmCat_37:

(Start: 10 @26520 has 1 MA's), (18, 26310), (24, 26256), (27, 26169),

Gene: Salvus_4 Start: 1150, Stop: 1473, Start Num: 8

Candidate Starts for Salvus_4:

(8, 1150), (21, 1366),

Gene: Yakult_35 Start: 25926, Stop: 25525, Start Num: 6

Candidate Starts for Yakult_35:

(1, 26079), (4, 26016), (Start: 6 @25926 has 2 MA's), (Start: 9 @25884 has 6 MA's), (18, 25674), (24, 25620), (27, 25533),