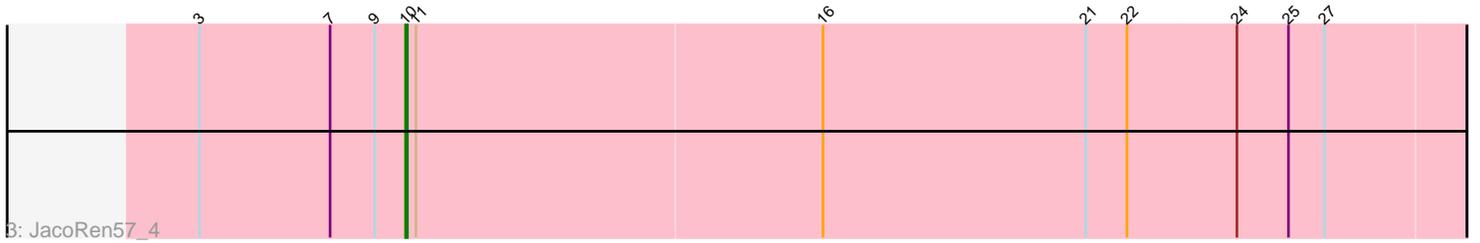
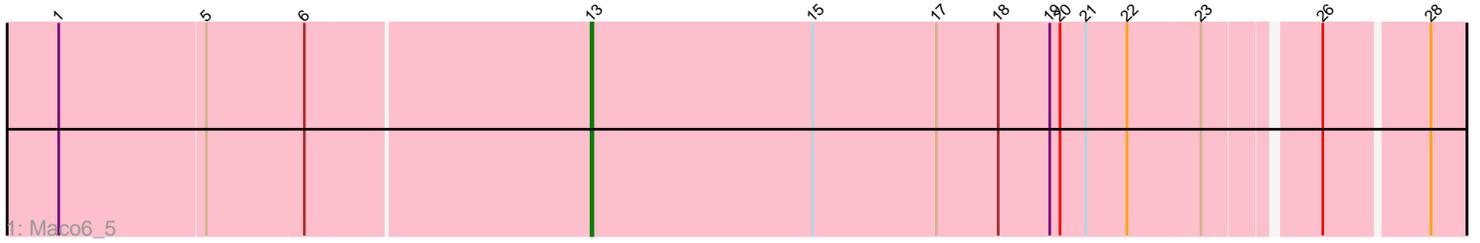


Pham 290001



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 290001 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 290001 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Maco6_5
- Track 2 : NoShow_4
- Track 3 : JacoRen57_4
- Track 4 : Salvus_8, LongHai_8
- Track 5 : 8UZL_7
- Track 6 : Muddy_7

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

The start number called the most often in the published annotations is 10, it was called in 1 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- JacoRen57_4,

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

-

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

- 8UZL_7, LongHai_8, Maco6_5, Muddy_7, NoShow_4, Salvus_8,

Summary by start number:

Start 4:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_4 (AB),

Start 5:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Muddy_7 (AB),

Start 10:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_4 (AB),

Start 13:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 80.0% of time when present
- Phage (with cluster) where this start called: 8UZL_7 (AB), LongHai_8 (AB), Maco6_5 (AB), Salvus_8 (AB),

Summary by clusters:

There is one cluster represented in this pham: AB

Info for manual annotations of cluster AB:

- Start number 4 was manually annotated 1 time for cluster AB.
- Start number 5 was manually annotated 1 time for cluster AB.
- Start number 10 was manually annotated 1 time for cluster AB.
- Start number 13 was manually annotated 1 time for cluster AB.

Gene Information:

Gene: 8UZL_7 Start: 5062, Stop: 5550, Start Num: 13

Candidate Starts for 8UZL_7:

(Start: 5 @4843 has 1 MA's), (6, 4900), (Start: 13 @5062 has 1 MA's), (17, 5263), (18, 5299), (19, 5329), (20, 5335), (21, 5350), (22, 5374), (23, 5416), (26, 5473), (28, 5530),

Gene: JacoRen57_4 Start: 3951, Stop: 4562, Start Num: 10

Candidate Starts for JacoRen57_4:

(3, 3834), (7, 3909), (9, 3933), (Start: 10 @3951 has 1 MA's), (11, 3957), (16, 4191), (21, 4344), (22, 4368), (24, 4431), (25, 4461), (27, 4482),

Gene: LongHai_8 Start: 5367, Stop: 5855, Start Num: 13

Candidate Starts for LongHai_8:

(1, 5064), (Start: 5 @5148 has 1 MA's), (6, 5205), (Start: 13 @5367 has 1 MA's), (17, 5568), (18, 5604), (19, 5634), (20, 5640), (21, 5655), (22, 5679), (23, 5721), (26, 5778), (28, 5835),

Gene: Maco6_5 Start: 4321, Stop: 4809, Start Num: 13

Candidate Starts for Maco6_5:

(1, 4018), (Start: 5 @4102 has 1 MA's), (6, 4159), (Start: 13 @4321 has 1 MA's), (15, 4450), (17, 4522), (18, 4558), (19, 4588), (20, 4594), (21, 4609), (22, 4633), (23, 4675), (26, 4732), (28, 4789),

Gene: Muddy_7 Start: 5056, Stop: 5763, Start Num: 5

Candidate Starts for Muddy_7:

(Start: 5 @5056 has 1 MA's), (6, 5113), (Start: 13 @5275 has 1 MA's), (15, 5404), (17, 5476), (18, 5512), (19, 5542), (20, 5548), (21, 5563), (22, 5587), (23, 5629), (26, 5686), (28, 5743),

Gene: NoShow_4 Start: 3865, Stop: 4563, Start Num: 4

Candidate Starts for NoShow_4:

(2, 3862), (Start: 4 @3865 has 1 MA's), (8, 3958), (12, 3988), (14, 4123), (15, 4213), (21, 4372), (22, 4396), (23, 4438),

Gene: Salvus_8 Start: 5367, Stop: 5855, Start Num: 13

Candidate Starts for Salvus_8:

(1, 5064), (Start: 5 @5148 has 1 MA's), (6, 5205), (Start: 13 @5367 has 1 MA's), (17, 5568), (18, 5604), (19, 5634), (20, 5640), (21, 5655), (22, 5679), (23, 5721), (26, 5778), (28, 5835),