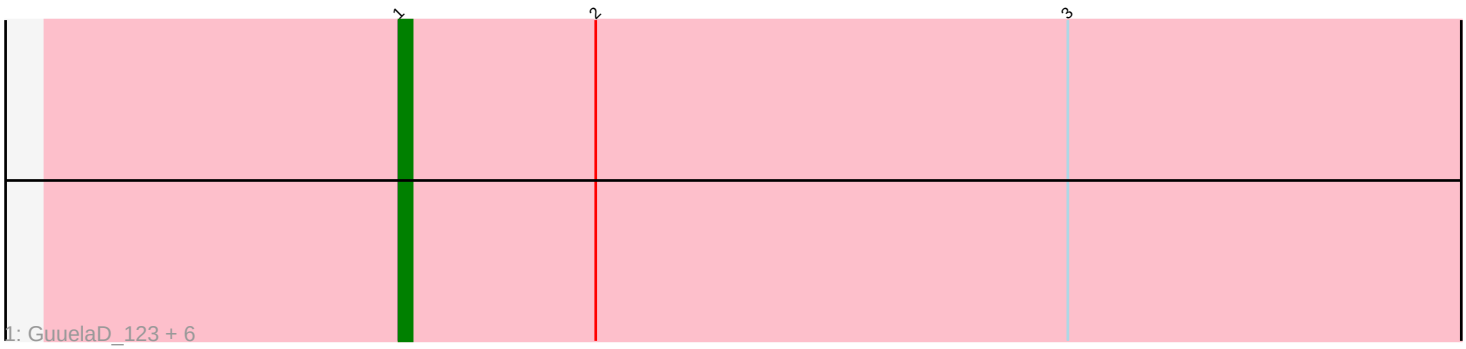
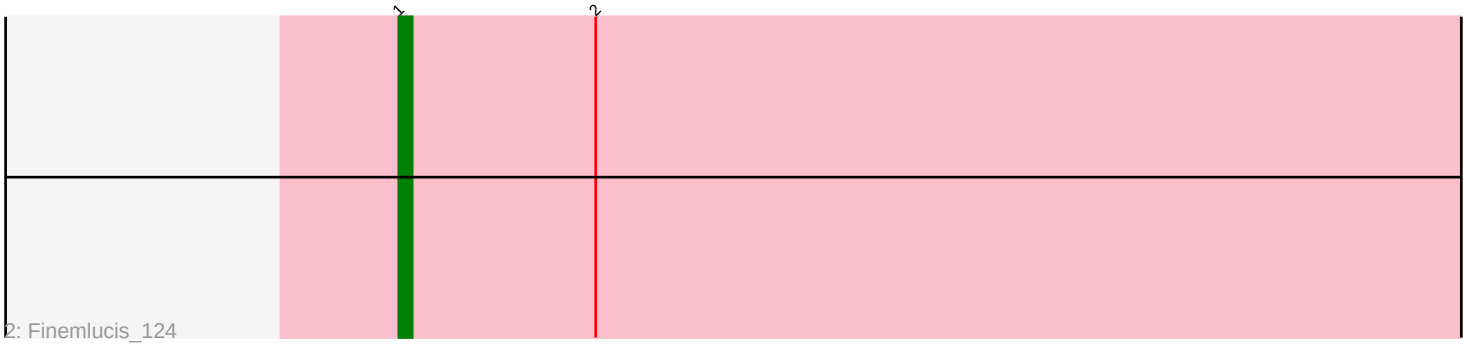
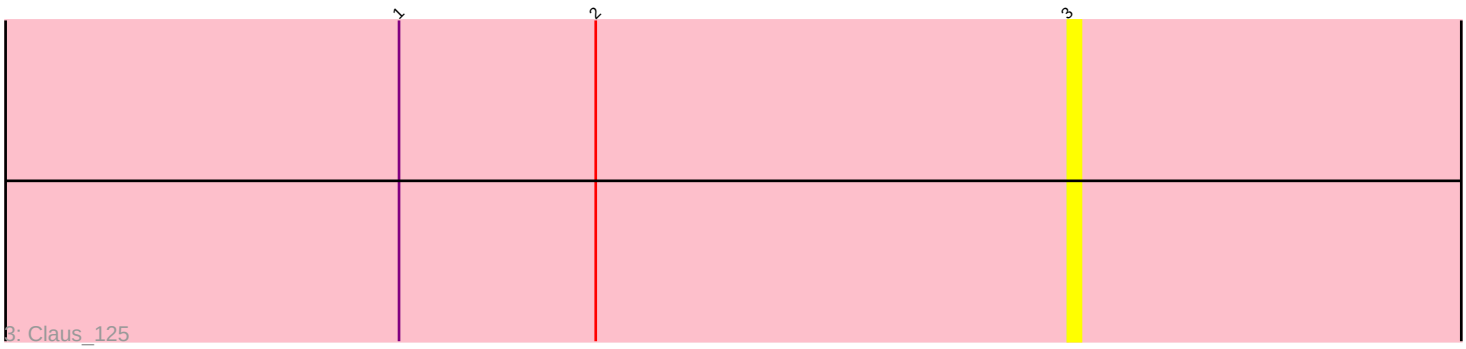
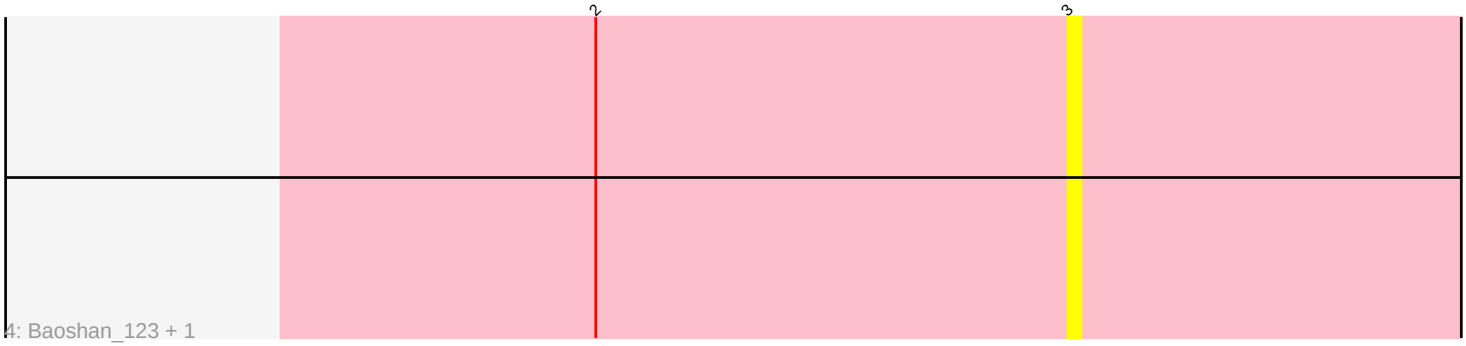
Pham 6176


1
2
3
1: GuuelaD_123 + 6


1
2
2: Finemlucis_124


1
2
3
3: Claus_125


2
3
4: Baoshan_123 + 1

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 6176 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6176 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : GuuelaD_123, Kahlid_125, LilDestine_122, Wigglewiggle_126, Wilder_126, Vetrix_125, Crossroads_128
• Track 2 : Finemlucis_124
• Track 3 : Claus_125
• Track 4 : Baoshan_123, ZhongYanYuan_123

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Crossroads_128, Finemlucis_124, GuuelaD_123, Kahlid_125, LilDestine_122, Vetrix_125, Wigglewiggle_126, Wilder_126,

Genes that have the "Most Annotated" start but do not call it:
• Claus_125,

Genes that do not have the "Most Annotated" start:
• Baoshan_123, ZhongYanYuan_123,

Summary by start number:

Start 1:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Crossroads_128 (L2), Finemlucis_124 (L2), GuuelaD_123 (L2), Kahlid_125 (L2), LilDestine_122 (L2), Vetrix_125 (L2), Wigglewiggle_126 (L2), Wilder_126 (L2),

Start 3:
• Found in 10 of 11 (90.9%) of genes in pham
• No Manual Annotations of this start.

• Called 30.0% of time when present
• Phage (with cluster) where this start called: Baoshan_123 (L2), Claus_125 (L2), ZhongYanYuan_123 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 8 times for cluster L2.

Gene Information:

Gene: Baoshan_123 Start: 67285, Stop: 67148, Start Num: 3
Candidate Starts for Baoshan_123:
(2, 67321), (3, 67285),

Gene: Claus_125 Start: 67351, Stop: 67214, Start Num: 3
Candidate Starts for Claus_125:
(Start: 1 @67402 has 8 MA's), (2, 67387), (3, 67351),

Gene: Crossroads_128 Start: 67702, Stop: 67514, Start Num: 1
Candidate Starts for Crossroads_128:
(Start: 1 @67702 has 8 MA's), (2, 67687), (3, 67651),

Gene: Finemlucis_124 Start: 67994, Stop: 67806, Start Num: 1
Candidate Starts for Finemlucis_124:
(Start: 1 @67994 has 8 MA's), (2, 67979),

Gene: GuuelaD_123 Start: 67430, Stop: 67242, Start Num: 1
Candidate Starts for GuuelaD_123:
(Start: 1 @67430 has 8 MA's), (2, 67415), (3, 67379),

Gene: Kahlid_125 Start: 67455, Stop: 67267, Start Num: 1
Candidate Starts for Kahlid_125:
(Start: 1 @67455 has 8 MA's), (2, 67440), (3, 67404),

Gene: LilDestine_122 Start: 66625, Stop: 66437, Start Num: 1
Candidate Starts for LilDestine_122:
(Start: 1 @66625 has 8 MA's), (2, 66610), (3, 66574),

Gene: Vetrix_125 Start: 68080, Stop: 67892, Start Num: 1
Candidate Starts for Vetrix_125:
(Start: 1 @68080 has 8 MA's), (2, 68065), (3, 68029),

Gene: Wigglewiggle_126 Start: 67676, Stop: 67488, Start Num: 1
Candidate Starts for Wigglewiggle_126:
(Start: 1 @67676 has 8 MA's), (2, 67661), (3, 67625),

Gene: Wilder_126 Start: 67309, Stop: 67121, Start Num: 1
Candidate Starts for Wilder_126:

(Start: 1 @67309 has 8 MA's), (2, 67294), (3, 67258),

Gene: ZhongYanYuan_123 Start: 66984, Stop: 66847, Start Num: 3
Candidate Starts for ZhongYanYuan_123:
(2, 67020), (3, 66984),