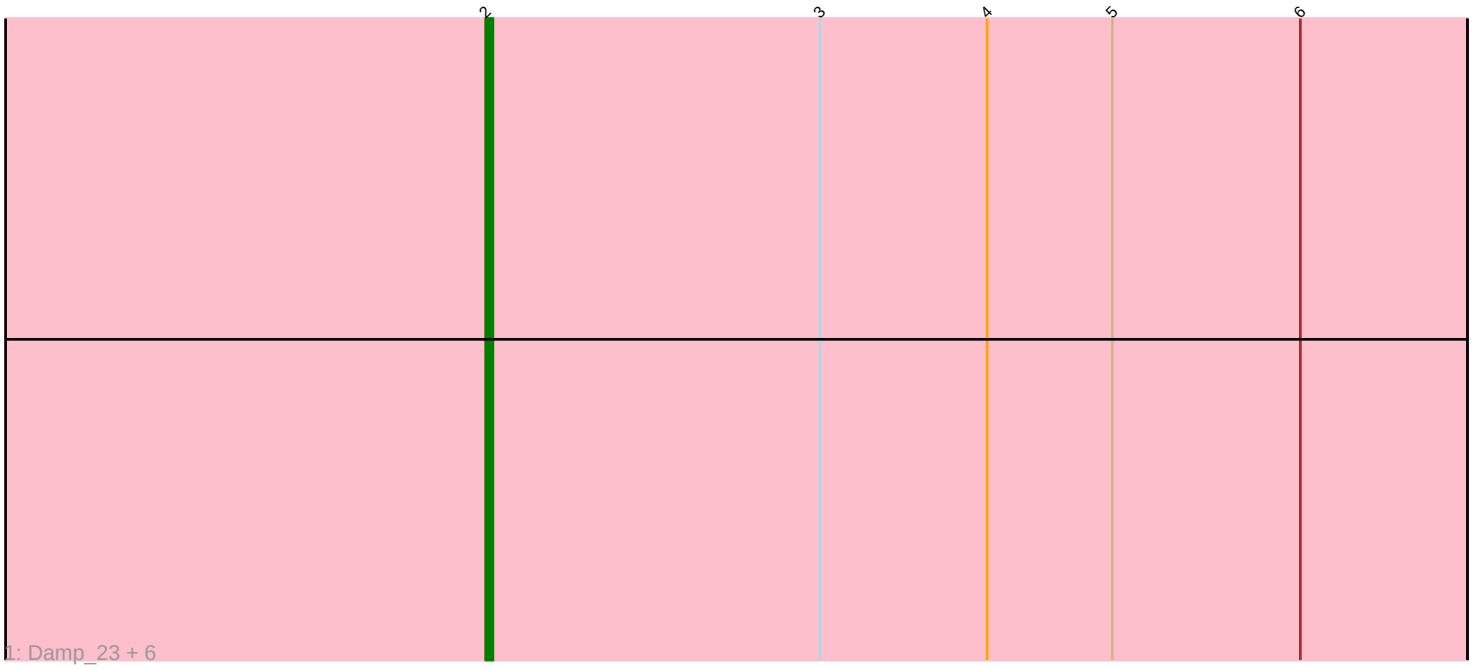
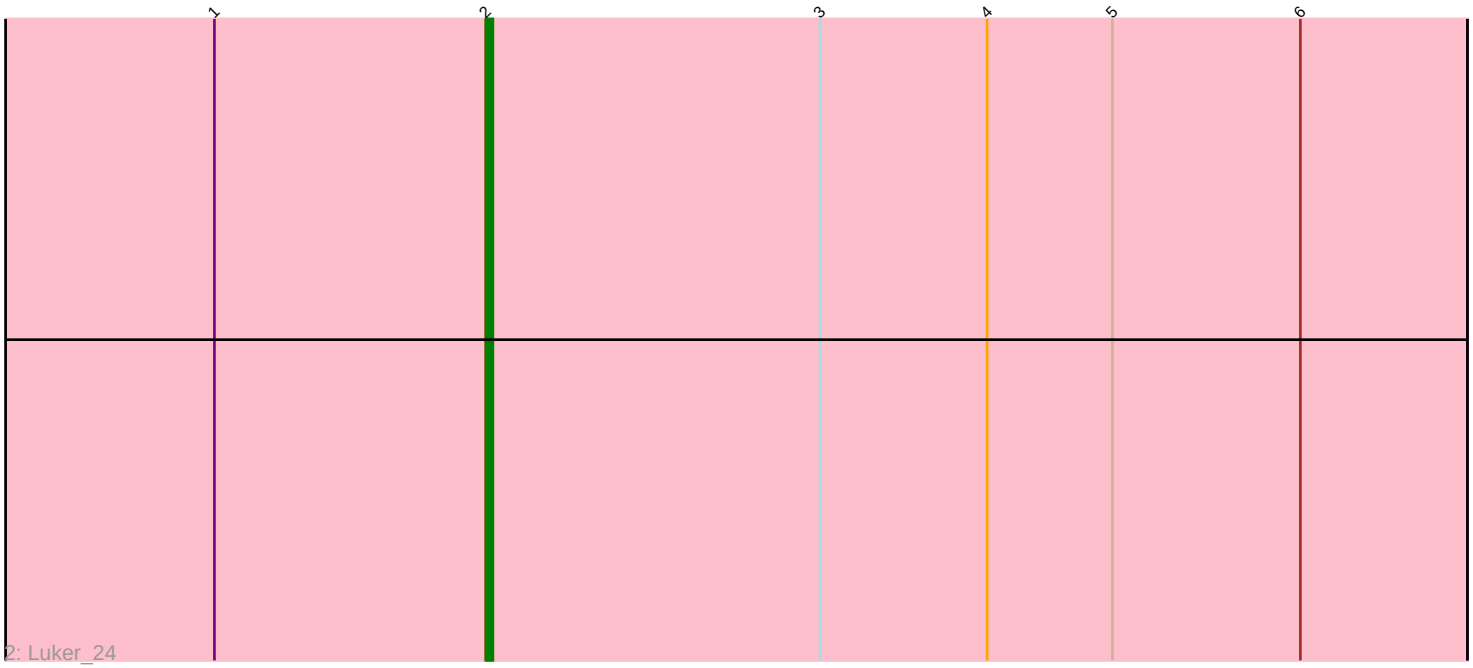
Pham 5198





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 5198 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5198 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Damp_23, Berries_24, Hail2Pitt_23, Kaseim_24, Minos_24, Charianelly_23, Newt_24
• Track 2 : Luker_24

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Berries_24, Charianelly_23, Damp_23, Hail2Pitt_23, Kaseim_24, Luker_24, Minos_24, Newt_24,

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 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berries_24 (CS3), Charianelly_23 (CS3), Damp_23 (CS3), Hail2Pitt_23 (CS3), Kaseim_24 (CS3), Luker_24 (CS3), Minos_24 (CS3), Newt_24 (CS3),

Summary by clusters:

There is one cluster represented in this pham: CS3

Info for manual annotations of cluster CS3:

•Start number 2 was manually annotated 4 times for cluster CS3.

Gene Information:

Gene: Berries_24 Start: 21189, Stop: 21329, Start Num: 2
Candidate Starts for Berries_24:
(Start: 2 @21189 has 4 MA's), (3, 21237), (4, 21261), (5, 21279), (6, 21306),

Gene: Charianelly_23 Start: 20939, Stop: 21079, Start Num: 2
Candidate Starts for Charianelly_23:
(Start: 2 @20939 has 4 MA's), (3, 20987), (4, 21011), (5, 21029), (6, 21056),

Gene: Damp_23 Start: 20103, Stop: 20243, Start Num: 2
Candidate Starts for Damp_23:
(Start: 2 @20103 has 4 MA's), (3, 20151), (4, 20175), (5, 20193), (6, 20220),

Gene: Hail2Pitt_23 Start: 21437, Stop: 21577, Start Num: 2
Candidate Starts for Hail2Pitt_23:
(Start: 2 @21437 has 4 MA's), (3, 21485), (4, 21509), (5, 21527), (6, 21554),

Gene: Kaseim_24 Start: 20374, Stop: 20514, Start Num: 2
Candidate Starts for Kaseim_24:
(Start: 2 @20374 has 4 MA's), (3, 20422), (4, 20446), (5, 20464), (6, 20491),

Gene: Luker_24 Start: 20922, Stop: 21062, Start Num: 2
Candidate Starts for Luker_24:
(1, 20883), (Start: 2 @20922 has 4 MA's), (3, 20970), (4, 20994), (5, 21012), (6, 21039),

Gene: Minos_24 Start: 20931, Stop: 21071, Start Num: 2
Candidate Starts for Minos_24:
(Start: 2 @20931 has 4 MA's), (3, 20979), (4, 21003), (5, 21021), (6, 21048),

Gene: Newt_24 Start: 20939, Stop: 21079, Start Num: 2
Candidate Starts for Newt_24:
(Start: 2 @20939 has 4 MA's), (3, 20987), (4, 21011), (5, 21029), (6, 21056),