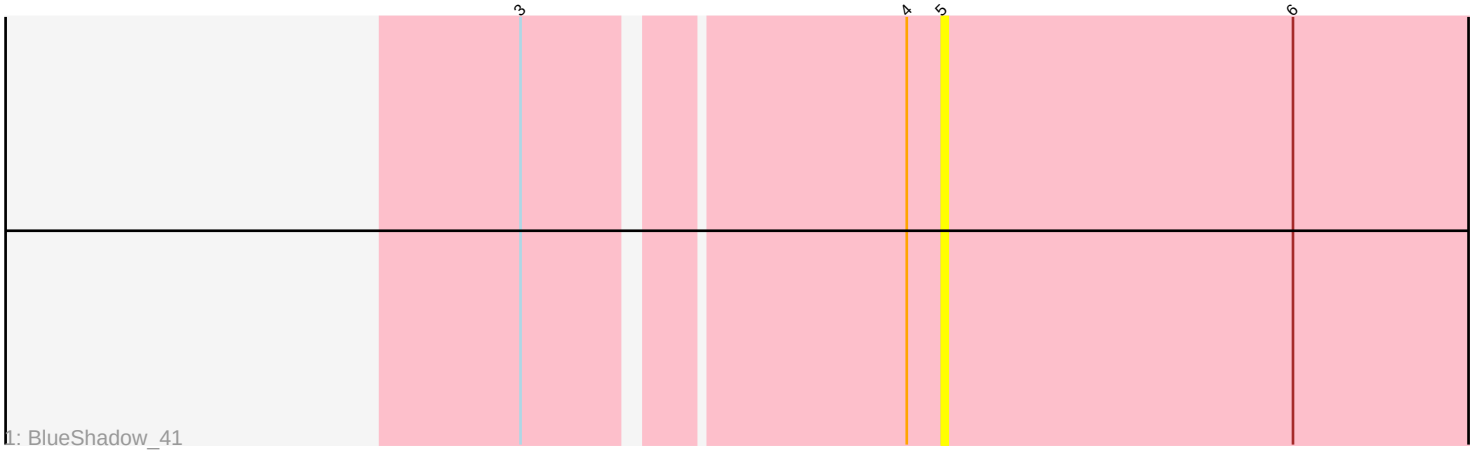
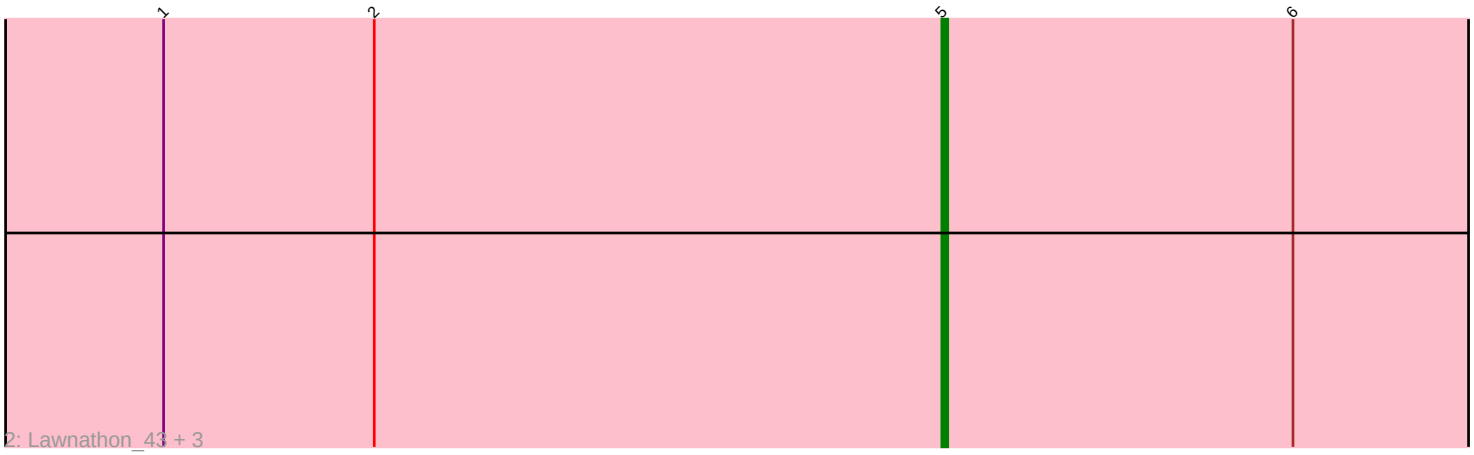
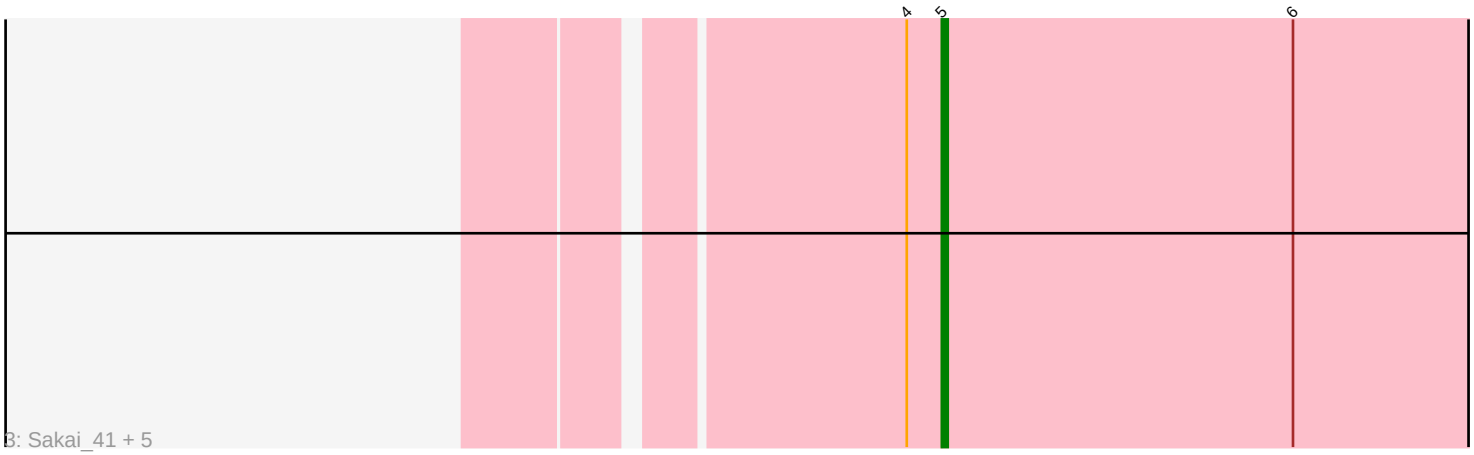
Pham 225060







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 225060 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225060 has 11 members, 5 are drafts.

Phages represented in each track:
• Track 1 : BlueShadow_41
• Track 2 : Lawnathon_43, Raphaella_41, Faja_40, Richie_43
• Track 3 : Sakai_41, Gorpy_42, MaterMagnus_41, Aikyam_38, YoungHarleezy_41, Auxilium_39

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_38, Auxilium_39, BlueShadow_41, Faja_40, Gorpy_42, Lawnathon_43, MaterMagnus_41, Raphaella_41, Richie_43, Sakai_41, YoungHarleezy_41,

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 5:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_38 (AY), Auxilium_39 (AY), BlueShadow_41 (AY), Faja_40 (AY), Gorpy_42 (AY), Lawnathon_43 (AY), MaterMagnus_41 (AY), Raphaella_41 (AY), Richie_43 (AY), Sakai_41 (AY), YoungHarleezy_41 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 6 times for cluster AY.

Gene Information:

Gene: Aikyam_38 Start: 25806, Stop: 25600, Start Num: 5
Candidate Starts for Aikyam_38:
(4, 25812), (Start: 5 @25806 has 6 MA's), (6, 25746),

Gene: Auxilium_39 Start: 25508, Stop: 25302, Start Num: 5
Candidate Starts for Auxilium_39:
(4, 25514), (Start: 5 @25508 has 6 MA's), (6, 25448),

Gene: BlueShadow_41 Start: 27844, Stop: 27638, Start Num: 5
Candidate Starts for BlueShadow_41:
(3, 27910), (4, 27850), (Start: 5 @27844 has 6 MA's), (6, 27784),

Gene: Faja_40 Start: 29242, Stop: 29036, Start Num: 5
Candidate Starts for Faja_40:
(1, 29374), (2, 29338), (Start: 5 @29242 has 6 MA's), (6, 29182),

Gene: Gorpy_42 Start: 29200, Stop: 28994, Start Num: 5
Candidate Starts for Gorpy_42:
(4, 29206), (Start: 5 @29200 has 6 MA's), (6, 29140),

Gene: Lawnathon_43 Start: 28362, Stop: 28156, Start Num: 5
Candidate Starts for Lawnathon_43:
(1, 28494), (2, 28458), (Start: 5 @28362 has 6 MA's), (6, 28302),

Gene: MaterMagnus_41 Start: 27978, Stop: 27772, Start Num: 5
Candidate Starts for MaterMagnus_41:
(4, 27984), (Start: 5 @27978 has 6 MA's), (6, 27918),

Gene: Raphaella_41 Start: 27902, Stop: 27696, Start Num: 5
Candidate Starts for Raphaella_41:
(1, 28034), (2, 27998), (Start: 5 @27902 has 6 MA's), (6, 27842),

Gene: Richie_43 Start: 28523, Stop: 28317, Start Num: 5
Candidate Starts for Richie_43:
(1, 28655), (2, 28619), (Start: 5 @28523 has 6 MA's), (6, 28463),

Gene: Sakai_41 Start: 27911, Stop: 27705, Start Num: 5
Candidate Starts for Sakai_41:
(4, 27917), (Start: 5 @27911 has 6 MA's), (6, 27851),

Gene: YoungHarleezy_41 Start: 27981, Stop: 27775, Start Num: 5
Candidate Starts for YoungHarleezy_41:
(4, 27987), (Start: 5 @27981 has 6 MA's), (6, 27921),