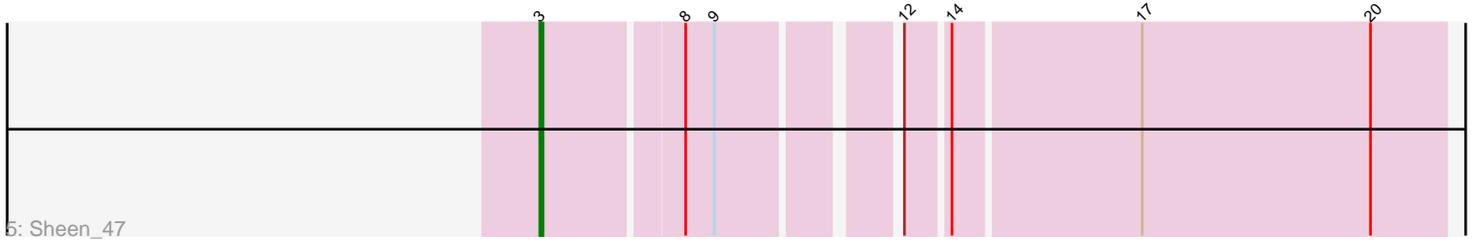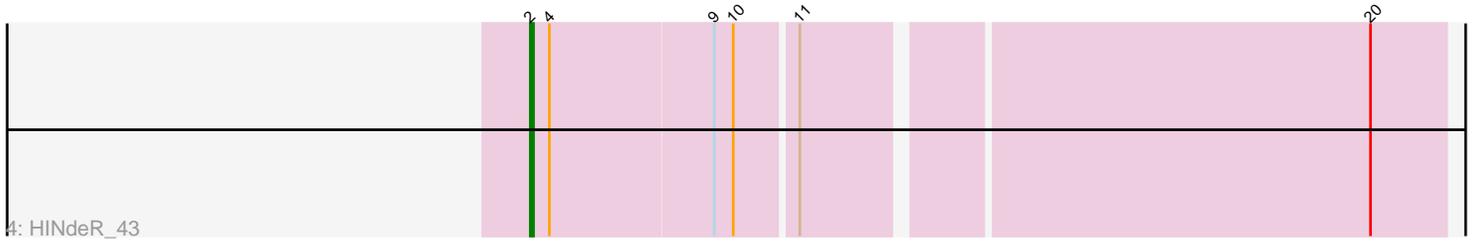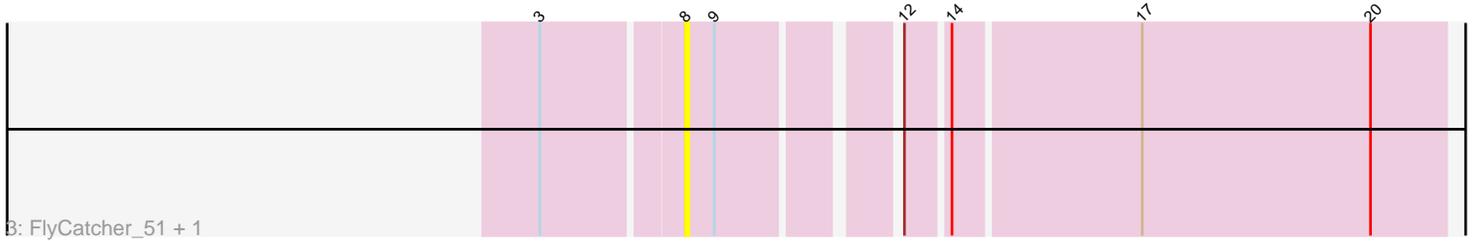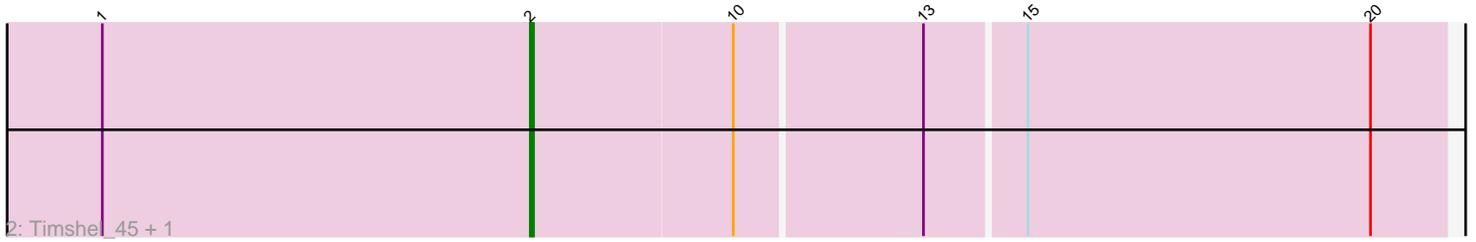# Pham 291819

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 291819 Report

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

Pham number 291819 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MyraDee_42
• Track 2 : Timshel_45, DroogsArmy_43
• Track 3 : FlyCatcher_51, Toro_49
• Track 4 : HINdeR_43
• Track 5 : Sheen_47
• Track 6 : Phillis_46

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DroogsArmy_43, HINdeR_43, Timshel_45,

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

Genes that do not have the "Most Annotated" start:
• FlyCatcher_51, MyraDee_42, Phillis_46, Sheen_47, Toro_49,

Summary by start number:

Start 2:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_43 (A7), HINdeR_43 (A7), Timshel_45 (A7),

Start 3:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present

• Phage (with cluster) where this start called: Sheen_47 (A7),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MyraDee_42 (A18),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phillis_46 (A8),

Start 8:
• Found in 3 of 8 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: FlyCatcher_51 (A7), Toro_49 (A7),

Summary by clusters:

There are 3 clusters represented in this pham: A8, A18, A7,

Info for manual annotations of cluster A18:
•Start number 5 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A7:
•Start number 2 was manually annotated 3 times for cluster A7.
•Start number 3 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 6 was manually annotated 1 time for cluster A8.

Gene Information:
Gene: DroogsArmy_43 Start: 33565, Stop: 33284, Start Num: 2
Candidate Starts for DroogsArmy_43:
(1, 33700), (Start: 2 @33565 has 3 MA's), (10, 33502), (13, 33445), (15, 33415), (20, 33307),

Gene: FlyCatcher_51 Start: 34178, Stop: 33957, Start Num: 8
Candidate Starts for FlyCatcher_51:
(Start: 3 @34220 has 1 MA's), (8, 34178), (9, 34169), (12, 34121), (14, 34109), (17, 34052), (20, 33980),

Gene: HINdeR_43 Start: 33388, Stop: 33113, Start Num: 2
Candidate Starts for HINdeR_43:
(Start: 2 @33388 has 3 MA's), (4, 33382), (9, 33331), (10, 33325), (11, 33307), (20, 33136),

Gene: MyraDee_42 Start: 29297, Stop: 29043, Start Num: 5
Candidate Starts for MyraDee_42:

(Start: 5 @29297 has 1 MA's), (16, 29138), (19, 29090),

Gene: Phillis_46 Start: 31492, Stop: 31232, Start Num: 6
Candidate Starts for Phillis_46:
(Start: 6 @31492 has 1 MA's), (7, 31483), (18, 31330), (19, 31291),

Gene: Sheen_47 Start: 34109, Stop: 33846, Start Num: 3
Candidate Starts for Sheen_47:
(Start: 3 @34109 has 1 MA's), (8, 34067), (9, 34058), (12, 34010), (14, 33998), (17, 33941), (20, 33869),

Gene: Timshel_45 Start: 33822, Stop: 33541, Start Num: 2
Candidate Starts for Timshel_45:
(1, 33957), (Start: 2 @33822 has 3 MA's), (10, 33759), (13, 33702), (15, 33672), (20, 33564),

Gene: Toro_49 Start: 34178, Stop: 33957, Start Num: 8
Candidate Starts for Toro_49:
(Start: 3 @34220 has 1 MA's), (8, 34178), (9, 34169), (12, 34121), (14, 34109), (17, 34052), (20, 33980),