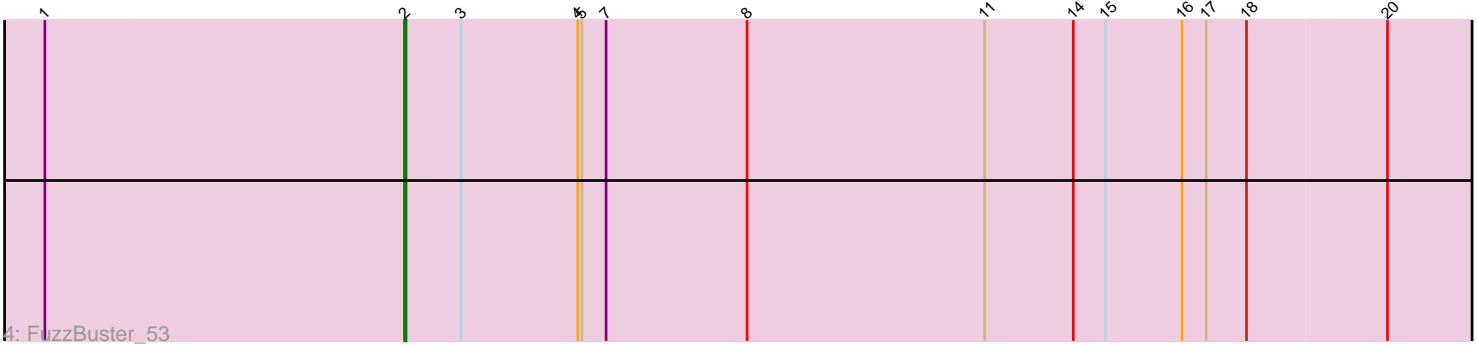
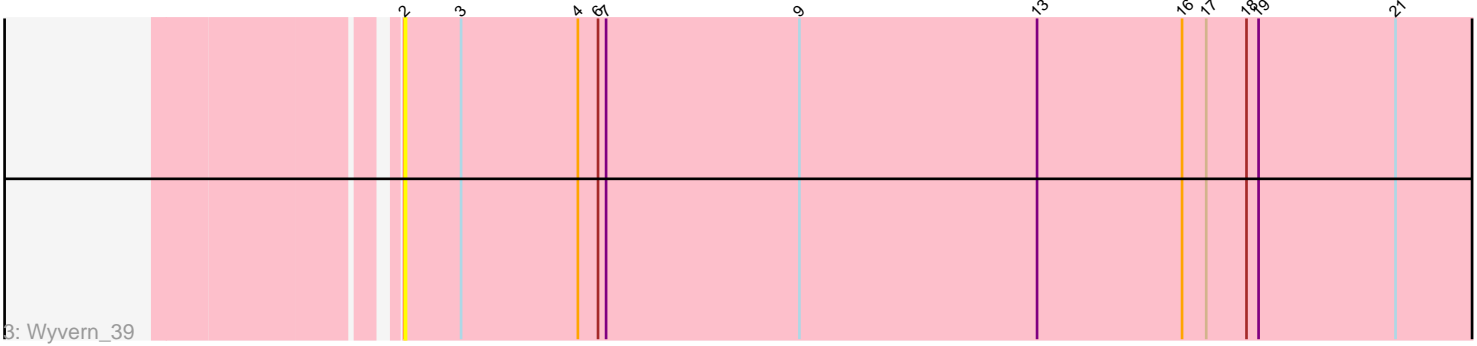
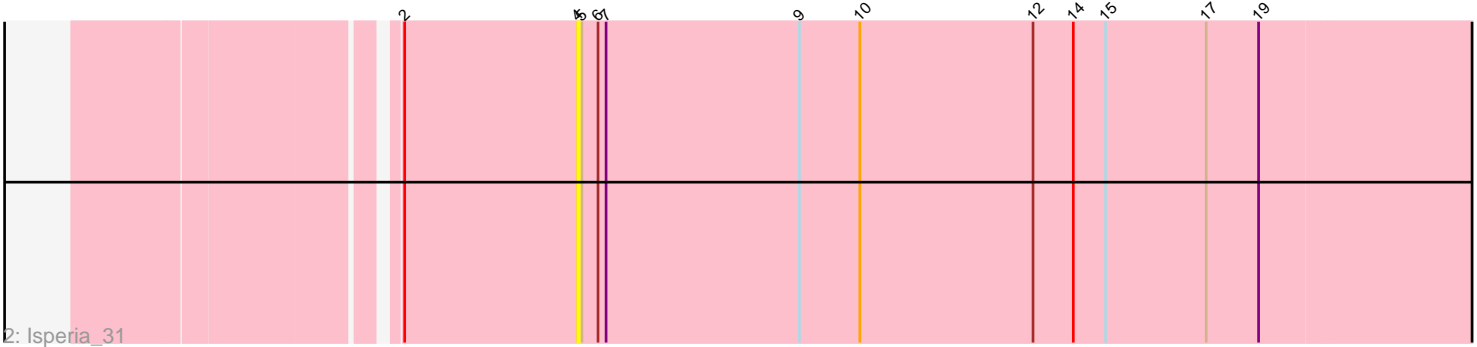
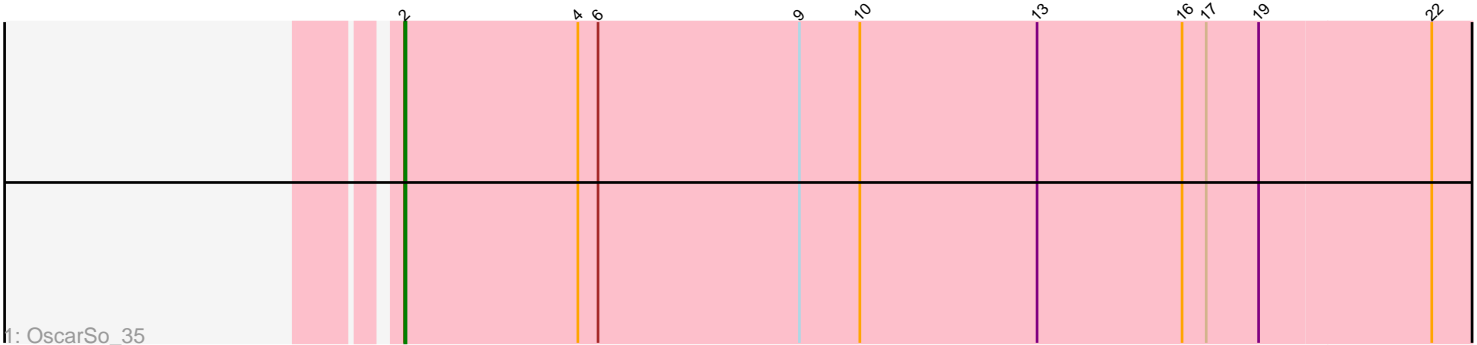


Pham 14598



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 14598 Report

This analysis was run 03/30/24 on database version 556.

Pham number 14598 has 4 members, 2 are drafts.

Phages represented in each track:

- Track 1 : OscarSo_35
- Track 2 : Isperia_31
- Track 3 : Wyvern_39
- Track 4 : FuzzBuster_53

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FuzzBuster_53, OscarSo_35, Wyvern_39,

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

- Isperia_31,

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

-

Summary by start number:

Start 2:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 75.0% of time when present
- Phage (with cluster) where this start called: FuzzBuster_53 (singleton), OscarSo_35 (GJ), Wyvern_39 (GJ),

Start 4:

- Found in 4 of 4 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Isperia_31 (GJ),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, GJ,

Info for manual annotations of cluster GJ:

- Start number 2 was manually annotated 1 time for cluster GJ.

Gene Information:

Gene: FuzzBuster_53 Start: 33209, Stop: 32412, Start Num: 2

Candidate Starts for FuzzBuster_53:

(1, 33476), (Start: 2 @33209 has 2 MA's), (3, 33167), (4, 33080), (5, 33077), (7, 33059), (8, 32954), (11, 32777), (14, 32711), (15, 32687), (16, 32630), (17, 32612), (18, 32582), (20, 32480),

Gene: Isperia_31 Start: 21238, Stop: 20570, Start Num: 4

Candidate Starts for Isperia_31:

(Start: 2 @21367 has 2 MA's), (4, 21238), (5, 21235), (6, 21223), (7, 21217), (9, 21073), (10, 21028), (12, 20899), (14, 20869), (15, 20845), (17, 20770), (19, 20731),

Gene: OscarSo_35 Start: 23576, Stop: 22779, Start Num: 2

Candidate Starts for OscarSo_35:

(Start: 2 @23576 has 2 MA's), (4, 23447), (6, 23432), (9, 23282), (10, 23237), (13, 23105), (16, 22997), (17, 22979), (19, 22940), (22, 22814),

Gene: Wyvern_39 Start: 22514, Stop: 21714, Start Num: 2

Candidate Starts for Wyvern_39:

(Start: 2 @22514 has 2 MA's), (3, 22472), (4, 22385), (6, 22370), (7, 22364), (9, 22220), (13, 22043), (16, 21935), (17, 21917), (18, 21887), (19, 21878), (21, 21776),