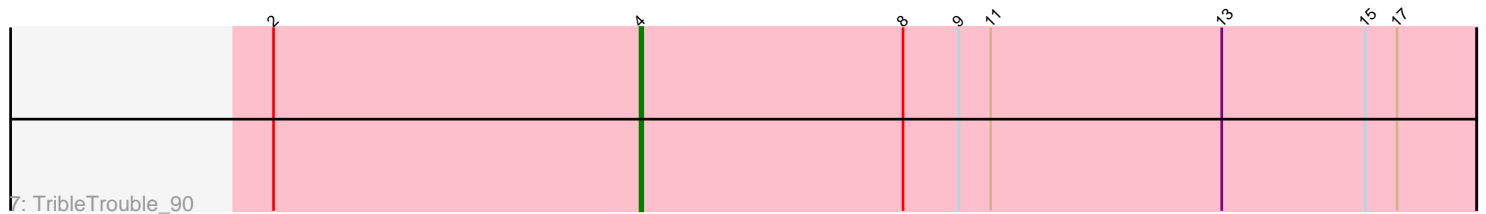
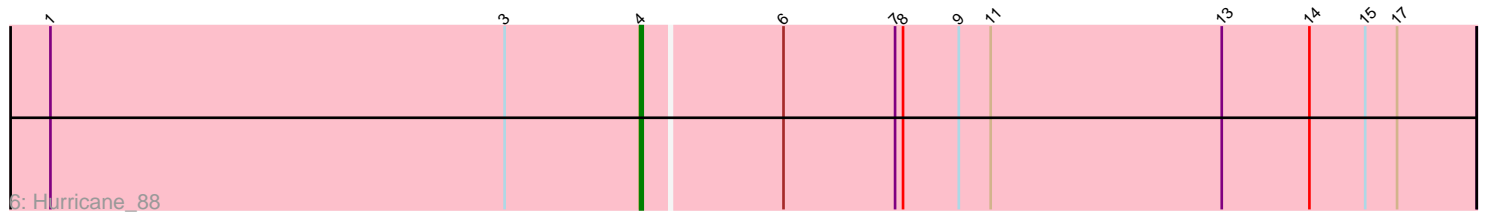
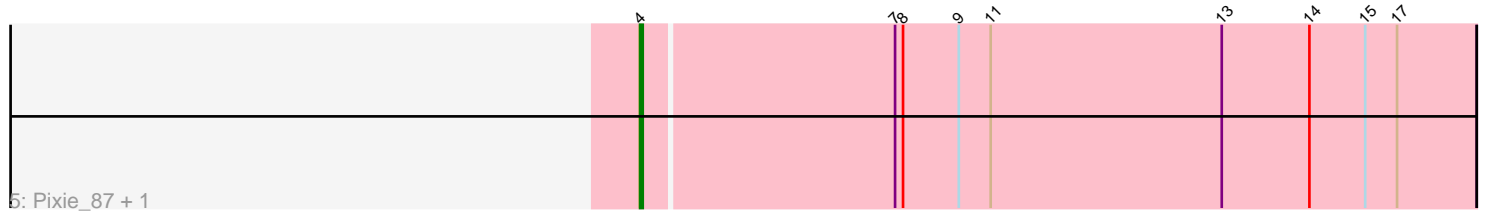
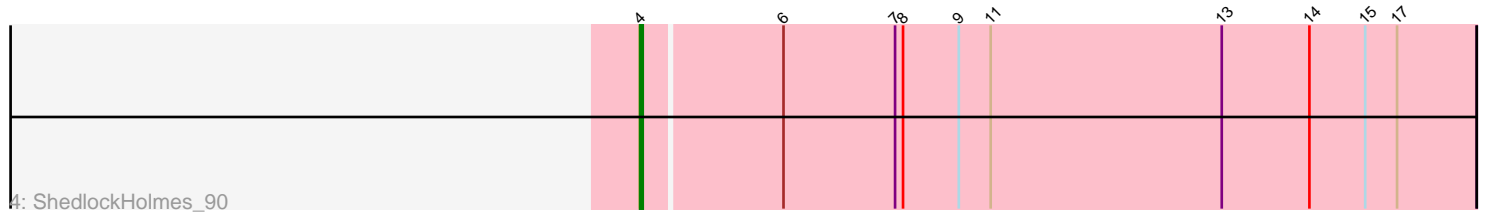
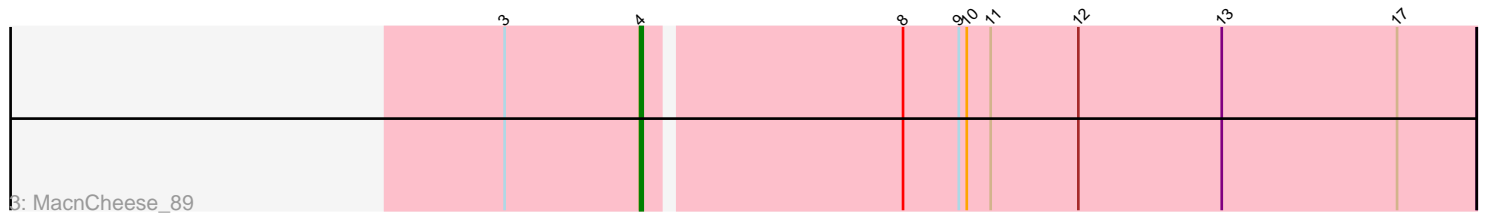
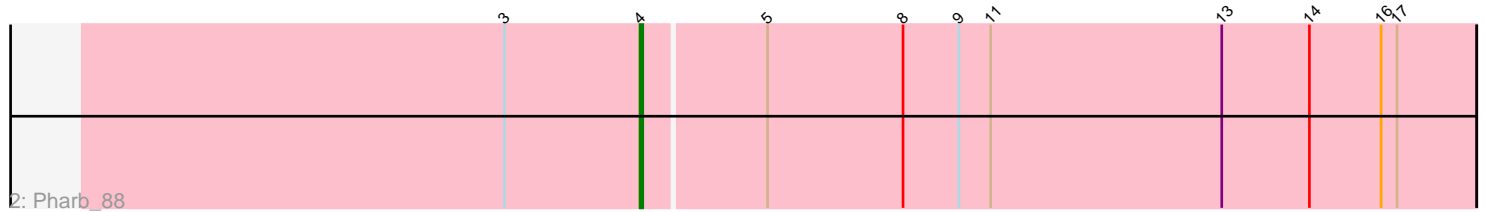
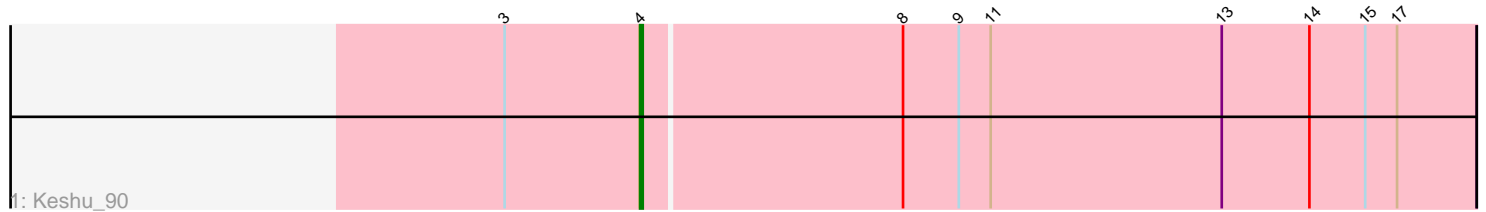


Pham 7420



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 7420 Report

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

Pham number 7420 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Keshu_90
- Track 2 : Pharb_88
- Track 3 : MacnCheese_89
- Track 4 : ShedlockHolmes_90
- Track 5 : Pixie_87, TBond007_84
- Track 6 : Hurricane_88
- Track 7 : TribbleTrouble_90

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hurricane_88, Keshu_90, MacnCheese_89, Pharb_88, Pixie_87, ShedlockHolmes_90, TBond007_84, TribbleTrouble_90,

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 4:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_88 (K3), Keshu_90 (K3), MacnCheese_89 (K3), Pharb_88 (K3), Pixie_87 (K3), ShedlockHolmes_90 (K3), TBond007_84 (K3), TribbleTrouble_90 (K3),

Summary by clusters:

There is one cluster represented in this pham: K3

Info for manual annotations of cluster K3:

- Start number 4 was manually annotated 8 times for cluster K3.

Gene Information:

Gene: Hurricane_88 Start: 55777, Stop: 56088, Start Num: 4

Candidate Starts for Hurricane_88:

(1, 55555), (3, 55726), (Start: 4 @55777 has 8 MA's), (6, 55828), (7, 55870), (8, 55873), (9, 55894), (11, 55906), (13, 55993), (14, 56026), (15, 56047), (17, 56059),

Gene: Keshu_90 Start: 56069, Stop: 56380, Start Num: 4

Candidate Starts for Keshu_90:

(3, 56018), (Start: 4 @56069 has 8 MA's), (8, 56165), (9, 56186), (11, 56198), (13, 56285), (14, 56318), (15, 56339), (17, 56351),

Gene: MacnCheese_89 Start: 56308, Stop: 56616, Start Num: 4

Candidate Starts for MacnCheese_89:

(3, 56257), (Start: 4 @56308 has 8 MA's), (8, 56401), (9, 56422), (10, 56425), (11, 56434), (12, 56467), (13, 56521), (17, 56587),

Gene: Pharb_88 Start: 55693, Stop: 56004, Start Num: 4

Candidate Starts for Pharb_88:

(3, 55642), (Start: 4 @55693 has 8 MA's), (5, 55738), (8, 55789), (9, 55810), (11, 55822), (13, 55909), (14, 55942), (16, 55969), (17, 55975),

Gene: Pixie_87 Start: 55481, Stop: 55792, Start Num: 4

Candidate Starts for Pixie_87:

(Start: 4 @55481 has 8 MA's), (7, 55574), (8, 55577), (9, 55598), (11, 55610), (13, 55697), (14, 55730), (15, 55751), (17, 55763),

Gene: ShedlockHolmes_90 Start: 55904, Stop: 56215, Start Num: 4

Candidate Starts for ShedlockHolmes_90:

(Start: 4 @55904 has 8 MA's), (6, 55955), (7, 55997), (8, 56000), (9, 56021), (11, 56033), (13, 56120), (14, 56153), (15, 56174), (17, 56186),

Gene: TBond007_84 Start: 55479, Stop: 55790, Start Num: 4

Candidate Starts for TBond007_84:

(Start: 4 @55479 has 8 MA's), (7, 55572), (8, 55575), (9, 55596), (11, 55608), (13, 55695), (14, 55728), (15, 55749), (17, 55761),

Gene: TribbleTrouble_90 Start: 57738, Stop: 58052, Start Num: 4

Candidate Starts for TribbleTrouble_90:

(2, 57600), (Start: 4 @57738 has 8 MA's), (8, 57837), (9, 57858), (11, 57870), (13, 57957), (15, 58011), (17, 58023),