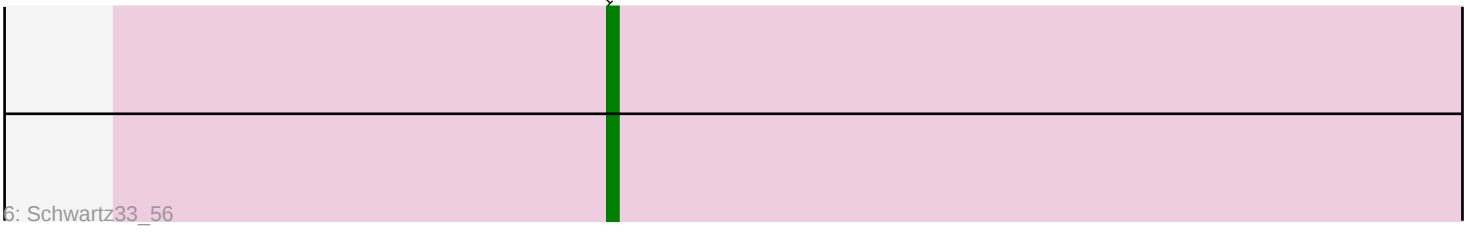
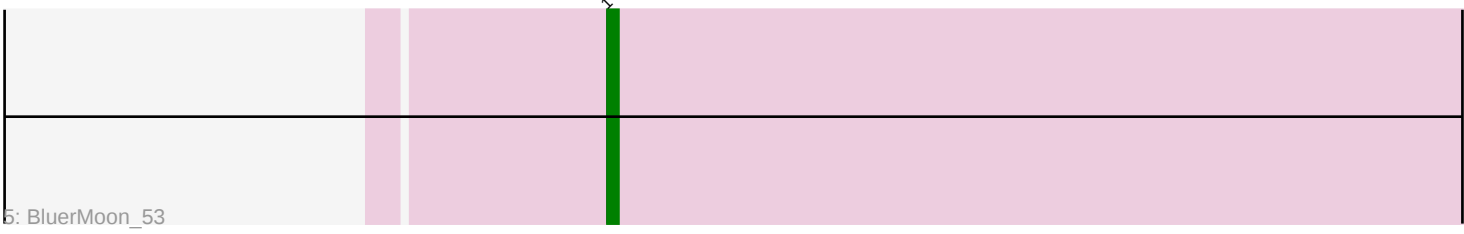
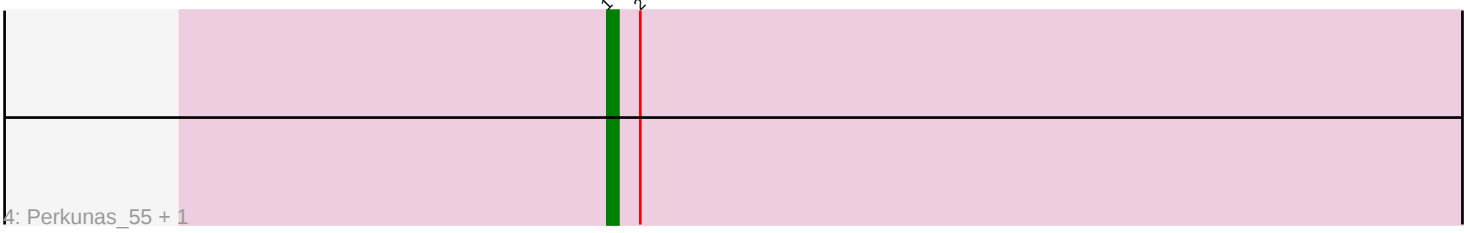
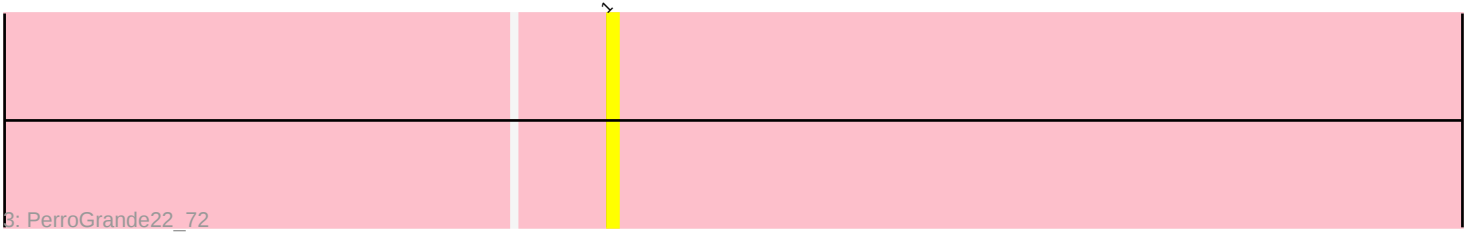
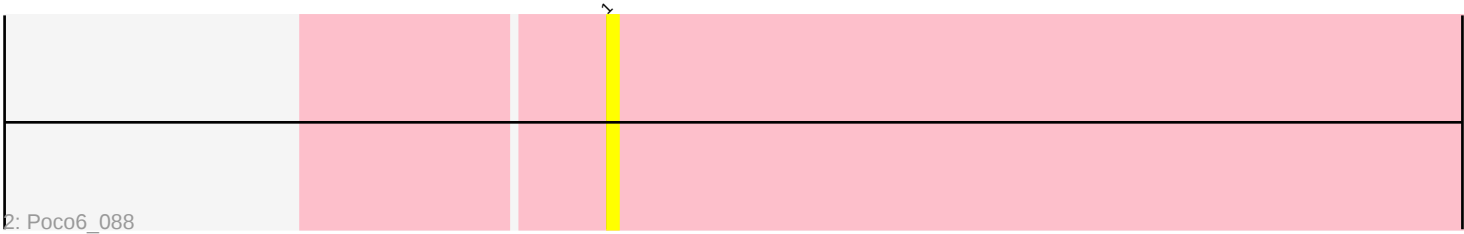


Zoomed Pham 284536



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 284536 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284536 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Pepy6_090
- Track 2 : Poco6_088
- Track 3 : PerroGrande22_72
- Track 4 : Perkunas_55, Talon44_55
- Track 5 : BluerMoon_53
- Track 6 : Schwartz33_56

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BluerMoon_53, Pepy6_090, Perkunas_55, PerroGrande22_72, Poco6_088, Schwartz33_56, Talon44_55,

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 1:

- Found in 7 of 7 (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: BluerMoon_53 (DJ), Pepy6_090 (CC), Perkunas_55 (DJ), PerroGrande22_72 (CC), Poco6_088 (CC), Schwartz33_56 (DJ), Talon44_55 (DJ),

Summary by clusters:

There are 2 clusters represented in this pham: CC, DJ,

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 4 times for cluster DJ.

Gene Information:

Gene: BluerMoon_53 Start: 37653, Stop: 38291, Start Num: 1

Candidate Starts for BluerMoon_53:

(Start: 1 @37653 has 4 MA's), (9, 37860), (10, 37866), (14, 38004), (26, 38184), (30, 38262), (31, 38274),

Gene: Pepy6_090 Start: 47253, Stop: 47894, Start Num: 1

Candidate Starts for Pepy6_090:

(Start: 1 @47253 has 4 MA's), (5, 47376), (6, 47385), (9, 47457), (12, 47568), (13, 47589), (14, 47601), (15, 47613), (16, 47625), (20, 47742), (23, 47772), (24, 47781), (27, 47826), (32, 47883),

Gene: Perkunas_55 Start: 36810, Stop: 37424, Start Num: 1

Candidate Starts for Perkunas_55:

(Start: 1 @36810 has 4 MA's), (2, 36813), (4, 36912), (9, 37017), (14, 37161), (22, 37317), (24, 37332), (31, 37410),

Gene: PerroGrande22_72 Start: 49695, Stop: 50330, Start Num: 1

Candidate Starts for PerroGrande22_72:

(Start: 1 @49695 has 4 MA's), (8, 49893), (9, 49899), (11, 50001), (12, 50010), (15, 50055), (19, 50172), (21, 50178), (27, 50262), (30, 50301),

Gene: Poco6_088 Start: 49493, Stop: 50125, Start Num: 1

Candidate Starts for Poco6_088:

(Start: 1 @49493 has 4 MA's), (5, 49616), (6, 49625), (9, 49697), (12, 49808), (13, 49829), (14, 49841), (15, 49853), (16, 49865), (17, 49901), (19, 49967), (21, 49973), (25, 50012), (27, 50057), (28, 50069), (29, 50093), (30, 50096),

Gene: Schwartz33_56 Start: 37627, Stop: 38241, Start Num: 1

Candidate Starts for Schwartz33_56:

(Start: 1 @37627 has 4 MA's), (3, 37723), (7, 37810), (9, 37834), (14, 37978), (18, 38068), (30, 38212), (31, 38224),

Gene: Talon44_55 Start: 36844, Stop: 37458, Start Num: 1

Candidate Starts for Talon44_55:

(Start: 1 @36844 has 4 MA's), (2, 36847), (4, 36946), (9, 37051), (14, 37195), (22, 37351), (24, 37366), (31, 37444),