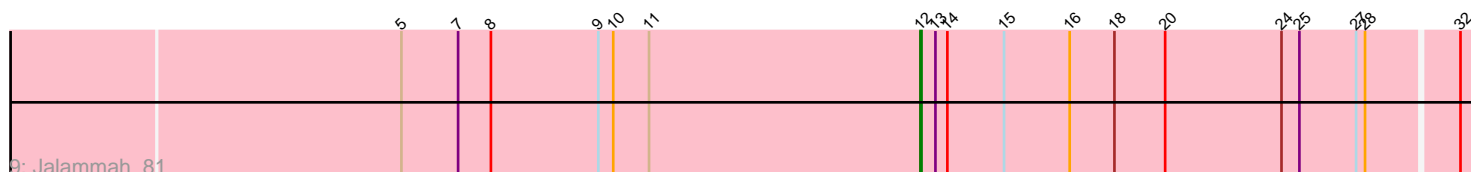
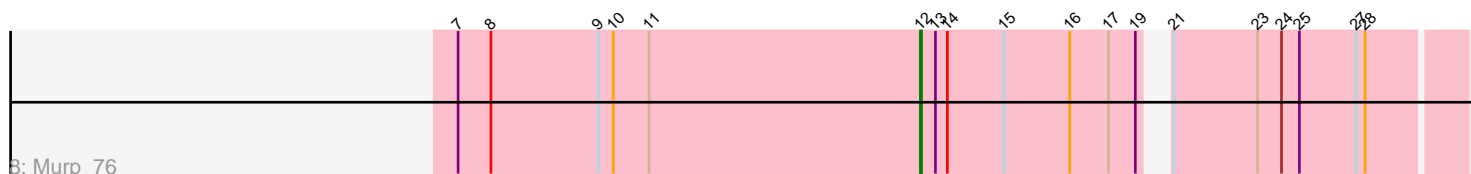
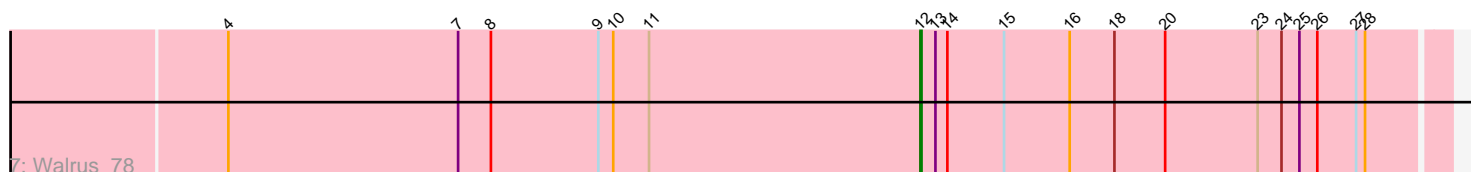
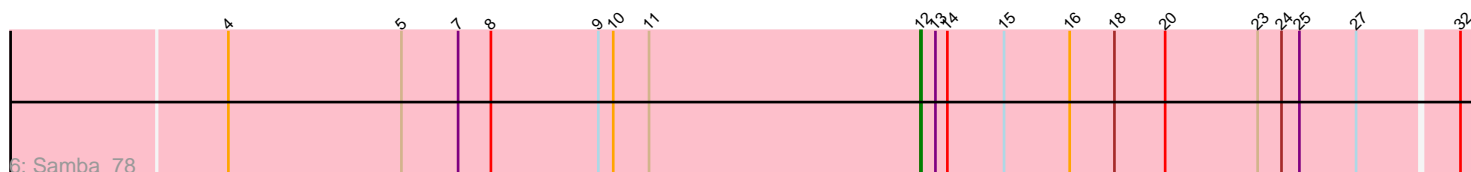
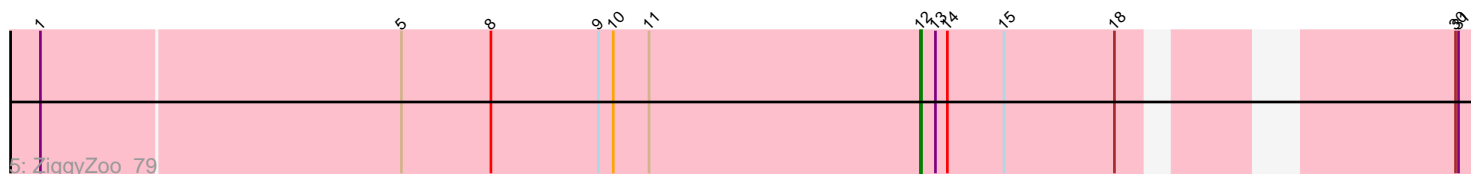
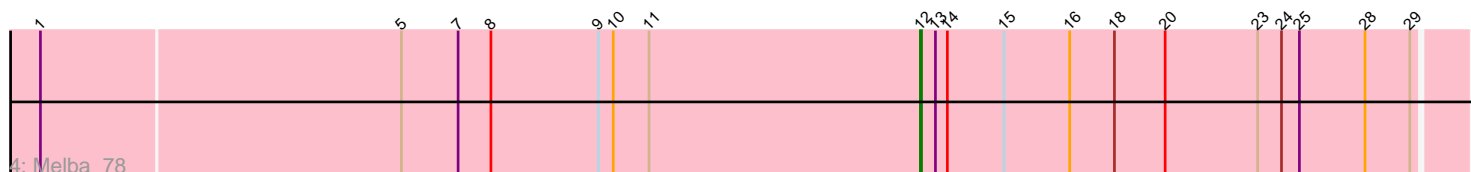
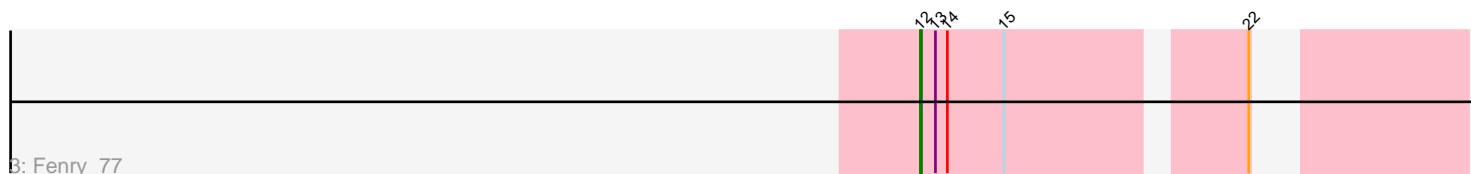
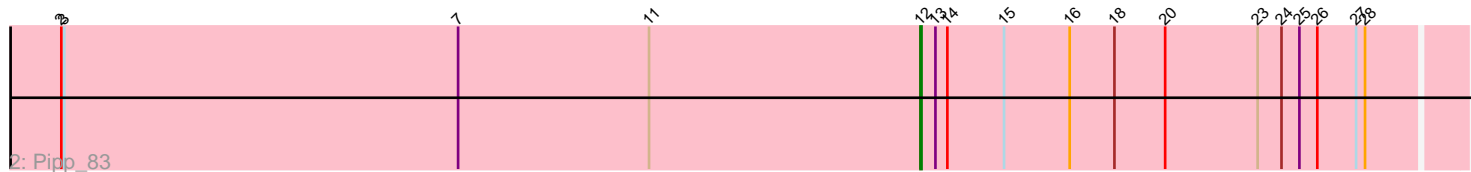


Pham 87383



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 87383 Report

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

Pham number 87383 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Delian_81, MintFen_78, CaptainKirk2_78
- Track 2 : Pipp_83
- Track 3 : Fenry_77
- Track 4 : Melba_78
- Track 5 : ZiggyZoo_79
- Track 6 : Samba_78
- Track 7 : Walrus_78
- Track 8 : Murp_76
- Track 9 : Jalammah_81

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

The start number called the most often in the published annotations is 12, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CaptainKirk2_78, Delian_81, Fenry_77, Jalammah_81, Melba_78, MintFen_78, Murp_76, Pipp_83, Samba_78, Walrus_78, ZiggyZoo_79,

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 12:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CaptainKirk2_78 (CV), Delian_81 (CV), Fenry_77 (CV), Jalammah_81 (CV), Melba_78 (CV), MintFen_78 (CV), Murp_76 (CV), Pipp_83 (CV), Samba_78 (CV), Walrus_78 (CV), ZiggyZoo_79 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:

•Start number 12 was manually annotated 11 times for cluster CV.

Gene Information:

Gene: CaptainKirk2_78 Start: 46773, Stop: 47240, Start Num: 12

Candidate Starts for CaptainKirk2_78:

(4, 46077), (5, 46251), (6, 46272), (7, 46308), (8, 46341), (9, 46449), (10, 46464), (11, 46500), (Start: 12 @46773 has 11 MA's), (13, 46788), (14, 46800), (15, 46857), (22, 47073),

Gene: Delian_81 Start: 46771, Stop: 47238, Start Num: 12

Candidate Starts for Delian_81:

(4, 46075), (5, 46249), (6, 46270), (7, 46306), (8, 46339), (9, 46447), (10, 46462), (11, 46498), (Start: 12 @46771 has 11 MA's), (13, 46786), (14, 46798), (15, 46855), (22, 47071),

Gene: Fenry_77 Start: 48841, Stop: 49308, Start Num: 12

Candidate Starts for Fenry_77:

(Start: 12 @48841 has 11 MA's), (13, 48856), (14, 48868), (15, 48925), (22, 49141),

Gene: Jalammah_81 Start: 50353, Stop: 50904, Start Num: 12

Candidate Starts for Jalammah_81:

(5, 49831), (7, 49888), (8, 49921), (9, 50029), (10, 50044), (11, 50080), (Start: 12 @50353 has 11 MA's), (13, 50368), (14, 50380), (15, 50437), (16, 50503), (18, 50548), (20, 50599), (24, 50716), (25, 50734), (27, 50791), (28, 50800), (32, 50887),

Gene: Melba_78 Start: 47148, Stop: 47687, Start Num: 12

Candidate Starts for Melba_78:

(1, 46269), (5, 46626), (7, 46683), (8, 46716), (9, 46824), (10, 46839), (11, 46875), (Start: 12 @47148 has 11 MA's), (13, 47163), (14, 47175), (15, 47232), (16, 47298), (18, 47343), (20, 47394), (23, 47487), (24, 47511), (25, 47529), (28, 47595), (29, 47640),

Gene: MintFen_78 Start: 47387, Stop: 47854, Start Num: 12

Candidate Starts for MintFen_78:

(4, 46691), (5, 46865), (6, 46886), (7, 46922), (8, 46955), (9, 47063), (10, 47078), (11, 47114), (Start: 12 @47387 has 11 MA's), (13, 47402), (14, 47414), (15, 47471), (22, 47687),

Gene: Murp_76 Start: 50264, Stop: 50773, Start Num: 12

Candidate Starts for Murp_76:

(7, 49799), (8, 49832), (9, 49940), (10, 49955), (11, 49991), (Start: 12 @50264 has 11 MA's), (13, 50279), (14, 50291), (15, 50348), (16, 50414), (17, 50453), (19, 50480), (21, 50489), (23, 50573), (24, 50597), (25, 50615), (27, 50672), (28, 50681),

Gene: Pipp_83 Start: 49672, Stop: 50211, Start Num: 12

Candidate Starts for Pipp_83:

(2, 48808), (3, 48811), (7, 49207), (11, 49399), (Start: 12 @49672 has 11 MA's), (13, 49687), (14, 49699), (15, 49756), (16, 49822), (18, 49867), (20, 49918), (23, 50011), (24, 50035), (25, 50053), (26,

50071), (27, 50110), (28, 50119),

Gene: Samba_78 Start: 50298, Stop: 50849, Start Num: 12

Candidate Starts for Samba_78:

(4, 49602), (5, 49776), (7, 49833), (8, 49866), (9, 49974), (10, 49989), (11, 50025), (Start: 12 @50298 has 11 MA's), (13, 50313), (14, 50325), (15, 50382), (16, 50448), (18, 50493), (20, 50544), (23, 50637), (24, 50661), (25, 50679), (27, 50736), (32, 50832),

Gene: Walrus_78 Start: 49122, Stop: 49646, Start Num: 12

Candidate Starts for Walrus_78:

(4, 48426), (7, 48657), (8, 48690), (9, 48798), (10, 48813), (11, 48849), (Start: 12 @49122 has 11 MA's), (13, 49137), (14, 49149), (15, 49206), (16, 49272), (18, 49317), (20, 49368), (23, 49461), (24, 49485), (25, 49503), (26, 49521), (27, 49560), (28, 49569),

Gene: ZiggyZoo_79 Start: 49866, Stop: 50342, Start Num: 12

Candidate Starts for ZiggyZoo_79:

(1, 48987), (5, 49344), (8, 49434), (9, 49542), (10, 49557), (11, 49593), (Start: 12 @49866 has 11 MA's), (13, 49881), (14, 49893), (15, 49950), (18, 50061), (30, 50322), (31, 50325),