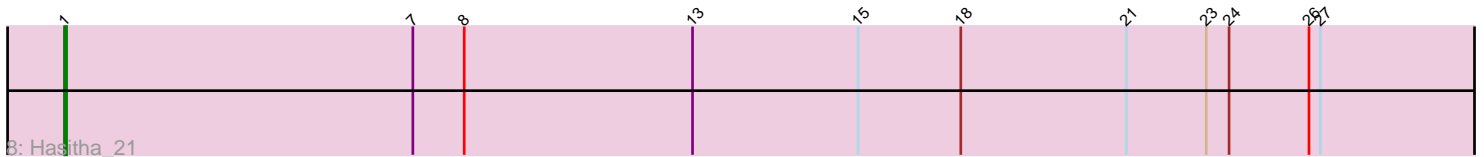
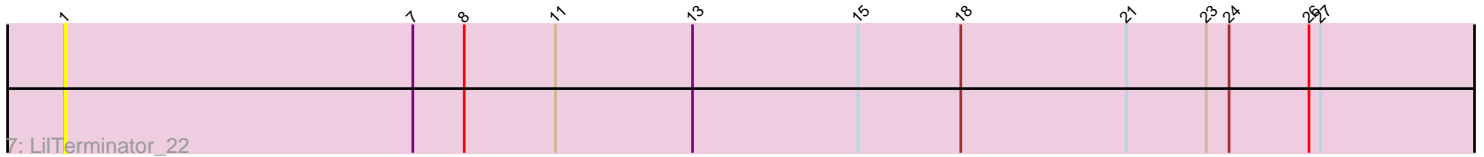
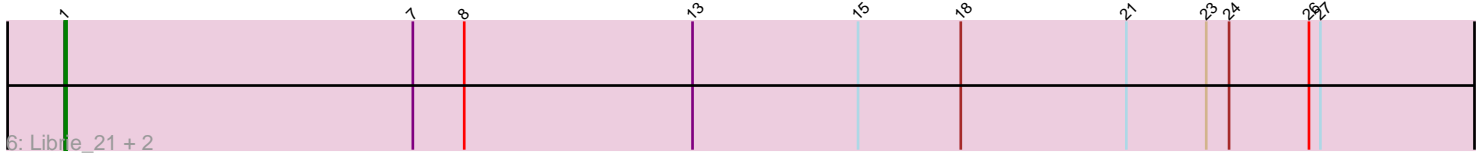
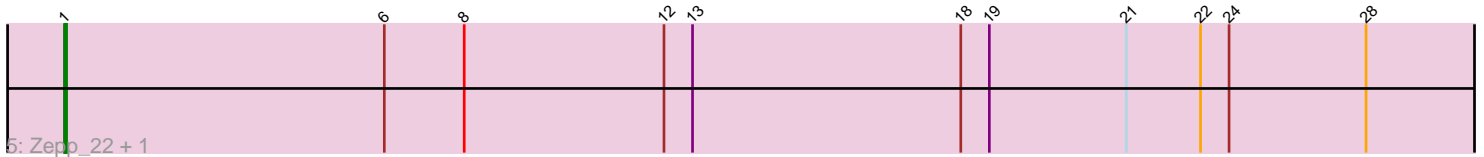
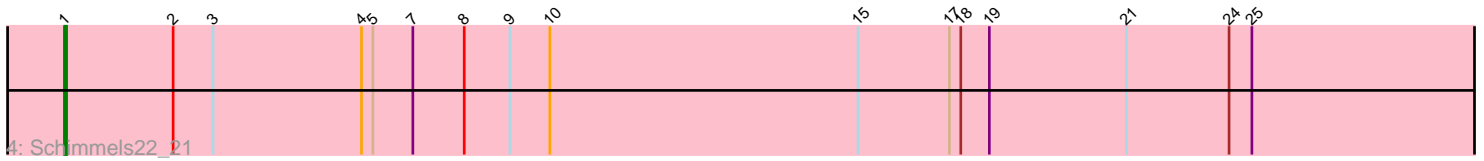
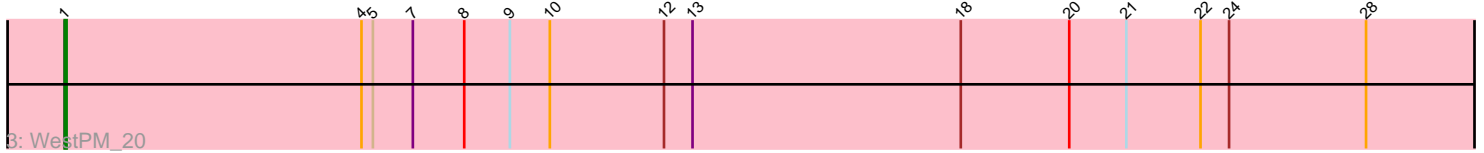
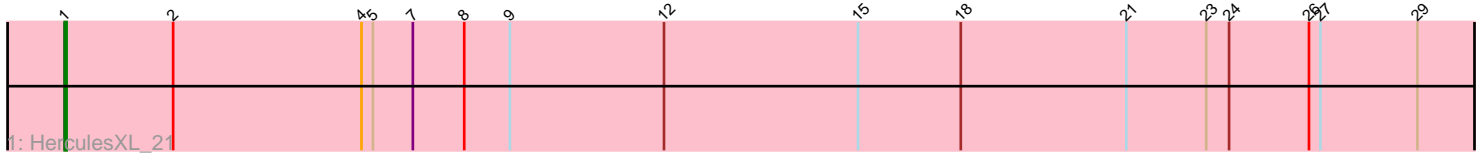


Pham 7779



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 7779 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7779 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : HerculesXL_21
- Track 2 : Tinyman4_21
- Track 3 : WestPM_20
- Track 4 : Schimmels22_21
- Track 5 : Zepp_22, QuadZero_21
- Track 6 : Librie_21, CaptainRex_21, Fulton_22
- Track 7 : LilTerminator_22
- Track 8 : Hasitha_21
- Track 9 : Zayuliv_21
- Track 10 : Greenlvy_21

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CaptainRex_21, Fulton_22, Greenlvy_21, Hasitha_21, HerculesXL_21, Librie_21, LilTerminator_22, QuadZero_21, Schimmels22_21, Tinyman4_21, WestPM_20, Zayuliv_21, Zepp_22,

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 13 of 13 (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: CaptainRex_21 (EA5), Fulton_22 (EA5), Greenlvy_21 (EA5), Hasitha_21 (EA5), HerculesXL_21 (EA11), Librie_21 (EA5), LilTerminator_22 (EA5), QuadZero_21 (EA5), Schimmels22_21 (EA11), Tinyman4_21 (EA11), WestPM_20 (EA11), Zayuliv_21 (EA5), Zepp_22 (EA5),

Summary by clusters:

There are 2 clusters represented in this pham: EA5, EA11,

Info for manual annotations of cluster EA11:

- Start number 1 was manually annotated 4 times for cluster EA11.

Info for manual annotations of cluster EA5:

- Start number 1 was manually annotated 7 times for cluster EA5.

Gene Information:

Gene: CaptainRex_21 Start: 15719, Stop: 16486, Start Num: 1

Candidate Starts for CaptainRex_21:

(Start: 1 @15719 has 11 MA's), (7, 15902), (8, 15929), (13, 16049), (15, 16136), (18, 16190), (21, 16277), (23, 16319), (24, 16331), (26, 16373), (27, 16379),

Gene: Fulton_22 Start: 15701, Stop: 16468, Start Num: 1

Candidate Starts for Fulton_22:

(Start: 1 @15701 has 11 MA's), (7, 15884), (8, 15911), (13, 16031), (15, 16118), (18, 16172), (21, 16259), (23, 16301), (24, 16313), (26, 16355), (27, 16361),

Gene: Greenlvy_21 Start: 16294, Stop: 17061, Start Num: 1

Candidate Starts for Greenlvy_21:

(Start: 1 @16294 has 11 MA's), (7, 16477), (8, 16504), (15, 16711), (17, 16759), (18, 16765), (19, 16780), (21, 16852), (24, 16906), (25, 16918),

Gene: Hasitha_21 Start: 15719, Stop: 16486, Start Num: 1

Candidate Starts for Hasitha_21:

(Start: 1 @15719 has 11 MA's), (7, 15902), (8, 15929), (13, 16049), (15, 16136), (18, 16190), (21, 16277), (23, 16319), (24, 16331), (26, 16373), (27, 16379),

Gene: HerculesXL_21 Start: 15811, Stop: 16578, Start Num: 1

Candidate Starts for HerculesXL_21:

(Start: 1 @15811 has 11 MA's), (2, 15868), (4, 15967), (5, 15973), (7, 15994), (8, 16021), (9, 16045), (12, 16126), (15, 16228), (18, 16282), (21, 16369), (23, 16411), (24, 16423), (26, 16465), (27, 16471), (29, 16522),

Gene: Librie_21 Start: 15719, Stop: 16486, Start Num: 1

Candidate Starts for Librie_21:

(Start: 1 @15719 has 11 MA's), (7, 15902), (8, 15929), (13, 16049), (15, 16136), (18, 16190), (21, 16277), (23, 16319), (24, 16331), (26, 16373), (27, 16379),

Gene: LilTerminator_22 Start: 15725, Stop: 16492, Start Num: 1

Candidate Starts for LilTerminator_22:

(Start: 1 @15725 has 11 MA's), (7, 15908), (8, 15935), (11, 15983), (13, 16055), (15, 16142), (18, 16196), (21, 16283), (23, 16325), (24, 16337), (26, 16379), (27, 16385),

Gene: QuadZero_21 Start: 15731, Stop: 16498, Start Num: 1

Candidate Starts for QuadZero_21:

(Start: 1 @15731 has 11 MA's), (6, 15899), (8, 15941), (12, 16046), (13, 16061), (18, 16202), (19, 16217), (21, 16289), (22, 16328), (24, 16343), (28, 16415),

Gene: Schimmels22_21 Start: 16174, Stop: 16941, Start Num: 1

Candidate Starts for Schimmels22_21:

(Start: 1 @16174 has 11 MA's), (2, 16231), (3, 16252), (4, 16330), (5, 16336), (7, 16357), (8, 16384), (9, 16408), (10, 16429), (15, 16591), (17, 16639), (18, 16645), (19, 16660), (21, 16732), (24, 16786), (25, 16798),

Gene: Tinyman4_21 Start: 15811, Stop: 16578, Start Num: 1

Candidate Starts for Tinyman4_21:

(Start: 1 @15811 has 11 MA's), (2, 15868), (4, 15967), (5, 15973), (7, 15994), (8, 16021), (9, 16045), (12, 16126), (14, 16195), (15, 16228), (16, 16264), (18, 16282), (21, 16369), (23, 16411), (24, 16423), (26, 16465), (27, 16471),

Gene: WestPM_20 Start: 15653, Stop: 16420, Start Num: 1

Candidate Starts for WestPM_20:

(Start: 1 @15653 has 11 MA's), (4, 15809), (5, 15815), (7, 15836), (8, 15863), (9, 15887), (10, 15908), (12, 15968), (13, 15983), (18, 16124), (20, 16181), (21, 16211), (22, 16250), (24, 16265), (28, 16337),

Gene: Zayuliv_21 Start: 16316, Stop: 17083, Start Num: 1

Candidate Starts for Zayuliv_21:

(Start: 1 @16316 has 11 MA's), (7, 16499), (8, 16526), (15, 16733), (17, 16781), (18, 16787), (19, 16802), (21, 16874), (24, 16928), (25, 16940),

Gene: Zepp_22 Start: 15715, Stop: 16482, Start Num: 1

Candidate Starts for Zepp_22:

(Start: 1 @15715 has 11 MA's), (6, 15883), (8, 15925), (12, 16030), (13, 16045), (18, 16186), (19, 16201), (21, 16273), (22, 16312), (24, 16327), (28, 16399),