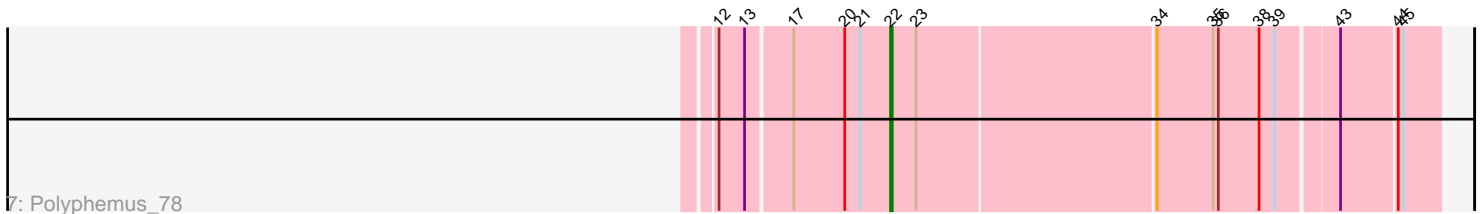
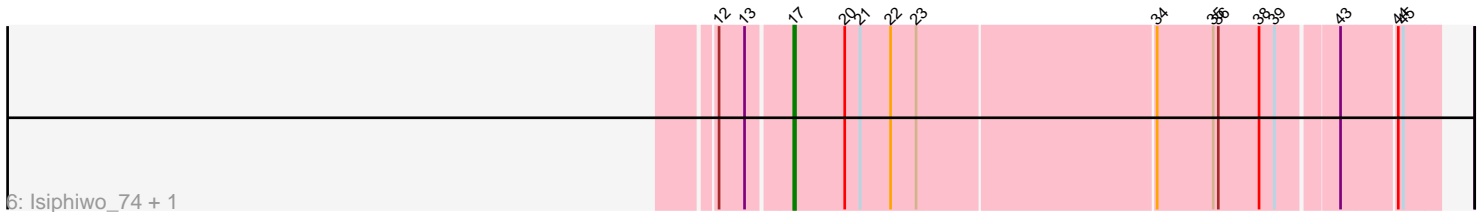
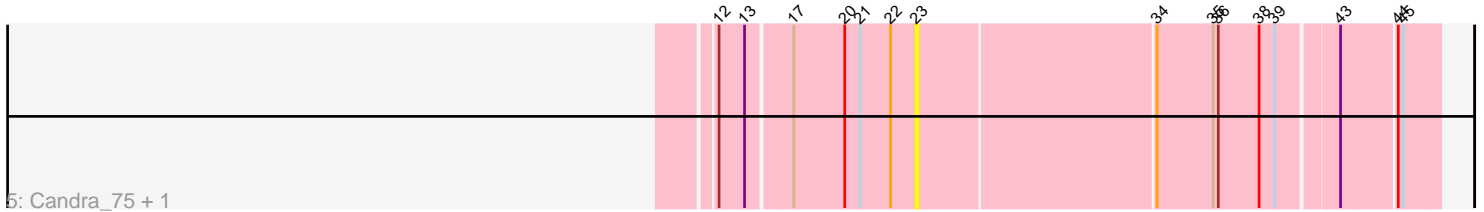
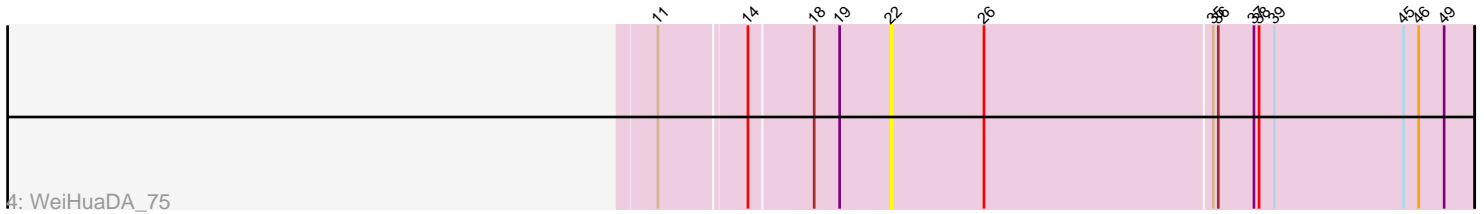
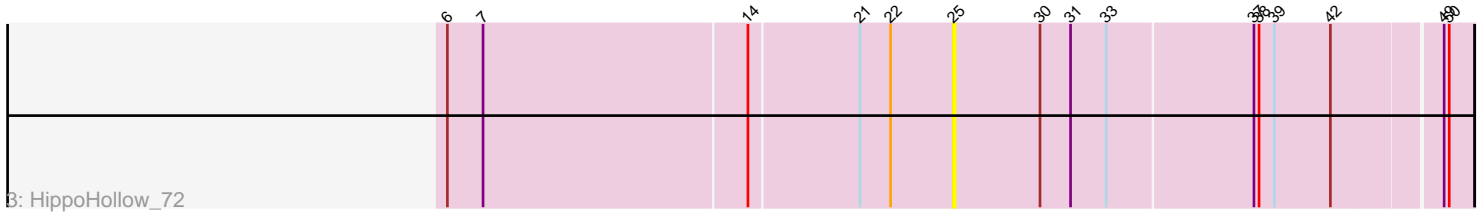
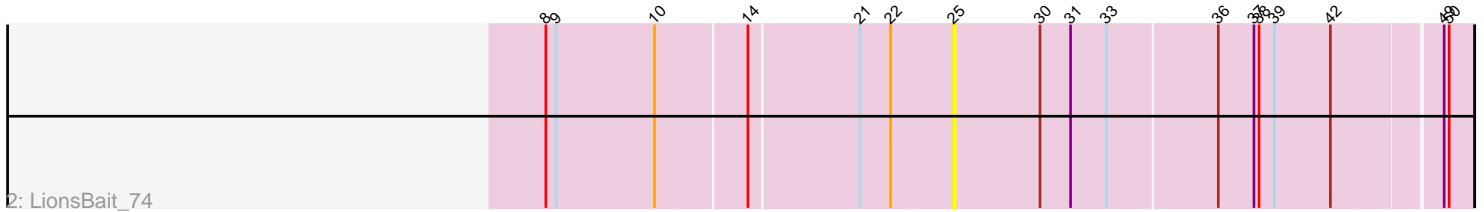
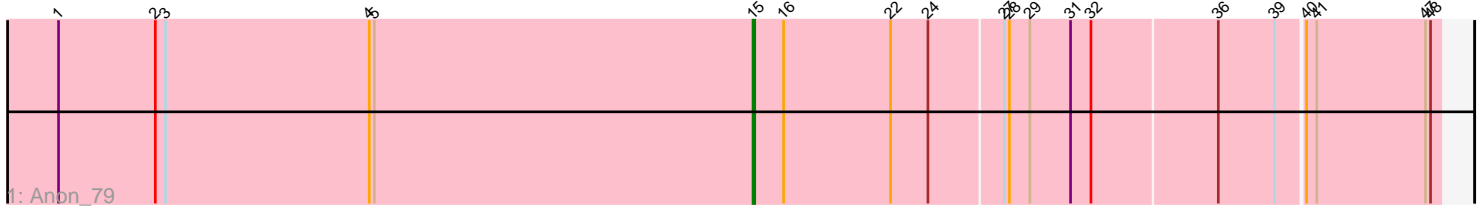


Pham 293403



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 293403 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293403 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Anon_79
- Track 2 : LionsBait_74
- Track 3 : HippoHollow_72
- Track 4 : WeiHuaDA_75
- Track 5 : Candra_75, DelvinSonDorr_73
- Track 6 : Isiphiwo_74, SmellyB_77
- Track 7 : Polyphemus_78

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Isiphiwo_74, SmellyB_77,

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

- Candra_75, DelvinSonDorr_73, Polyphemus_78,

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

- Anon_79, HippoHollow_72, LionsBait_74, WeiHuaDA_75,

Summary by start number:

Start 15:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_79 (A15),

Start 17:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 40.0% of time when present

- Phage (with cluster) where this start called: Isiphiwo_74 (A6), SmellyB_77 (A6),

Start 22:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Polyphemus_78 (A6), WeiHuaDA_75 (A2),

Start 23:

- Found in 5 of 9 (55.6%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Candra_75 (A6), DelvinSonDorr_73 (A6),

Start 25:

- Found in 2 of 9 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HippoHollow_72 (A2), LionsBait_74 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A15, A2, A6,

Info for manual annotations of cluster A15:

- Start number 15 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A6:

- Start number 17 was manually annotated 2 times for cluster A6.
- Start number 22 was manually annotated 1 time for cluster A6.

Gene Information:

Gene: Anon_79 Start: 44695, Stop: 44303, Start Num: 15

Candidate Starts for Anon_79:

(1, 45103), (2, 45046), (3, 45040), (4, 44920), (5, 44917), (Start: 15 @44695 has 1 MA's), (16, 44677), (Start: 22 @44614 has 1 MA's), (24, 44593), (27, 44551), (28, 44548), (29, 44536), (31, 44512), (32, 44500), (36, 44428), (39, 44395), (40, 44380), (41, 44374), (47, 44311), (48, 44308),

Gene: Candra_75 Start: 43553, Stop: 43263, Start Num: 23

Candidate Starts for Candra_75:

(12, 43664), (13, 43649), (Start: 17 @43625 has 2 MA's), (20, 43595), (21, 43586), (Start: 22 @43568 has 1 MA's), (23, 43553), (34, 43418), (35, 43385), (36, 43382), (38, 43358), (39, 43349), (43, 43316), (44, 43286), (45, 43283),

Gene: DelvinSonDorr_73 Start: 43573, Stop: 43283, Start Num: 23

Candidate Starts for DelvinSonDorr_73:

(12, 43684), (13, 43669), (Start: 17 @43645 has 2 MA's), (20, 43615), (21, 43606), (Start: 22 @43588 has 1 MA's), (23, 43573), (34, 43438), (35, 43405), (36, 43402), (38, 43378), (39, 43369), (43, 43336), (44, 43306), (45, 43303),

Gene: HippoHollow_72 Start: 45776, Stop: 45480, Start Num: 25

Candidate Starts for HippoHollow_72:

(6, 46067), (7, 46046), (14, 45893), (21, 45830), (Start: 22 @45812 has 1 MA's), (25, 45776), (30, 45725), (31, 45707), (33, 45686), (37, 45602), (38, 45599), (39, 45590), (42, 45557), (49, 45497), (50, 45494),

Gene: Isiphiwo_74 Start: 43606, Stop: 43244, Start Num: 17

Candidate Starts for Isiphiwo_74:

(12, 43645), (13, 43630), (Start: 17 @43606 has 2 MA's), (20, 43576), (21, 43567), (Start: 22 @43549 has 1 MA's), (23, 43534), (34, 43399), (35, 43366), (36, 43363), (38, 43339), (39, 43330), (43, 43297), (44, 43267), (45, 43264),

Gene: LionsBait_74 Start: 45777, Stop: 45481, Start Num: 25

Candidate Starts for LionsBait_74:

(8, 46008), (9, 46002), (10, 45945), (14, 45894), (21, 45831), (Start: 22 @45813 has 1 MA's), (25, 45777), (30, 45726), (31, 45708), (33, 45687), (36, 45624), (37, 45603), (38, 45600), (39, 45591), (42, 45558), (49, 45498), (50, 45495),

Gene: Polyphemus_78 Start: 44355, Stop: 44050, Start Num: 22

Candidate Starts for Polyphemus_78:

(12, 44451), (13, 44436), (Start: 17 @44412 has 2 MA's), (20, 44382), (21, 44373), (Start: 22 @44355 has 1 MA's), (23, 44340), (34, 44205), (35, 44172), (36, 44169), (38, 44145), (39, 44136), (43, 44103), (44, 44073), (45, 44070),

Gene: SmellyB_77 Start: 43589, Stop: 43227, Start Num: 17

Candidate Starts for SmellyB_77:

(12, 43628), (13, 43613), (Start: 17 @43589 has 2 MA's), (20, 43559), (21, 43550), (Start: 22 @43532 has 1 MA's), (23, 43517), (34, 43382), (35, 43349), (36, 43346), (38, 43322), (39, 43313), (43, 43280), (44, 43250), (45, 43247),

Gene: WeiHuaDA_75 Start: 45500, Stop: 45162, Start Num: 22

Candidate Starts for WeiHuaDA_75:

(11, 45629), (14, 45581), (18, 45545), (19, 45530), (Start: 22 @45500 has 1 MA's), (26, 45446), (35, 45314), (36, 45311), (37, 45290), (38, 45287), (39, 45278), (45, 45203), (46, 45194), (49, 45179),