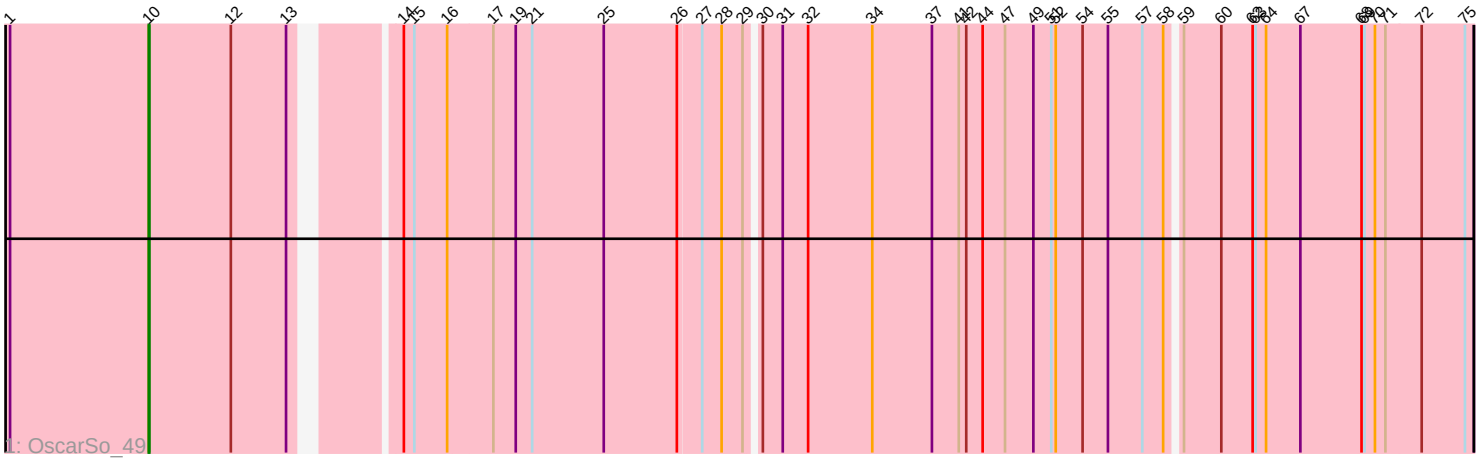
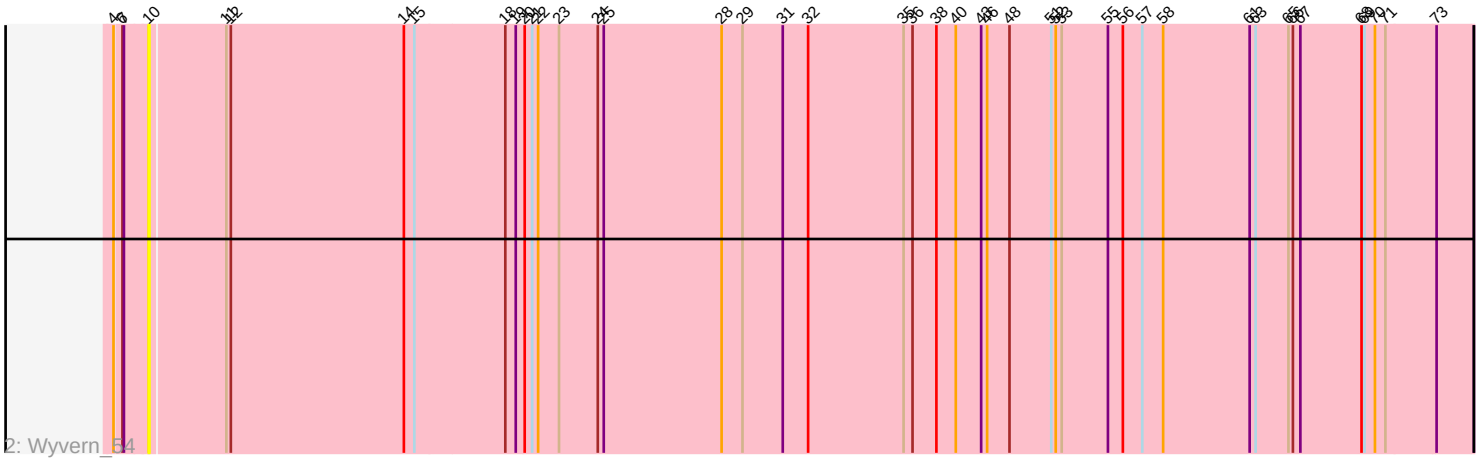
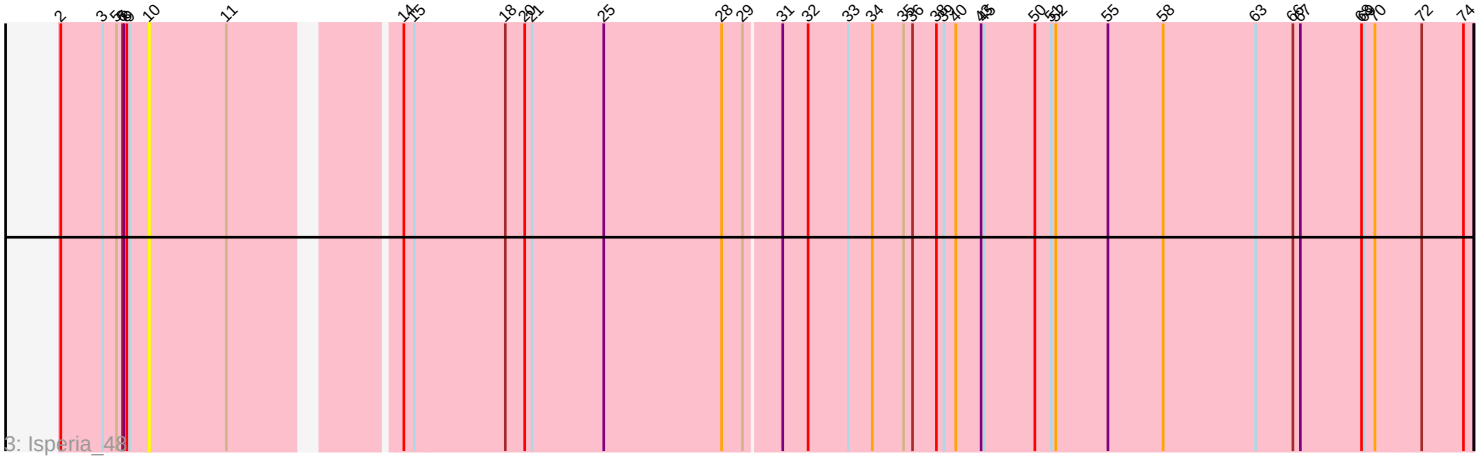
Pham 91094







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 91094 Report

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

Pham number 91094 has 3 members, 2 are drafts.

Phages represented in each track:
• Track 1 : OscarSo_49
• Track 2 : Wyvern_54
• Track 3 : Isperia_48

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

The start number called the most often in the published annotations is 10, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Isperia_48, OscarSo_49, Wyvern_54,

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 10:
• Found in 3 of 3 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Isperia_48 (GJ), OscarSo_49 (GJ), Wyvern_54 (GJ),

Summary by clusters:

There is one cluster represented in this pham: GJ

Info for manual annotations of cluster GJ:
•Start number 10 was manually annotated 1 time for cluster GJ.

Gene Information:

Gene: Isperia_48 Start: 31317, Stop: 28753, Start Num: 10
Candidate Starts for Isperia_48:
(2, 31488), (3, 31404), (5, 31380), (6, 31368), (7, 31365), (8, 31359), (9, 31353), (Start: 10 @31317 has 1 MA's), (11, 31161), (14, 30873), (15, 30852), (18, 30675), (20, 30639), (21, 30624), (25, 30480), (28, 30243), (29, 30201), (31, 30132), (32, 30081), (33, 30000), (34, 29952), (35, 29889), (36, 29871), (38, 29823), (39, 29808), (40, 29784), (43, 29733), (45, 29727), (50, 29625), (51, 29592), (52, 29583), (55, 29478), (58, 29367), (63, 29181), (66, 29106), (67, 29091), (68, 28968), (69, 28962), (70, 28941), (72, 28848), (74, 28770),

Gene: OscarSo_49 Start: 32561, Stop: 30030, Start Num: 10
Candidate Starts for OscarSo_49:
(1, 32840), (Start: 10 @32561 has 1 MA's), (12, 32402), (13, 32291), (14, 32123), (15, 32102), (16, 32036), (17, 31949), (19, 31904), (21, 31871), (25, 31727), (26, 31580), (27, 31535), (28, 31496), (29, 31454), (30, 31436), (31, 31397), (32, 31346), (34, 31217), (37, 31097), (41, 31043), (42, 31028), (44, 30995), (47, 30950), (49, 30893), (51, 30857), (52, 30848), (54, 30794), (55, 30743), (57, 30674), (58, 30632), (59, 30611), (60, 30536), (62, 30473), (63, 30467), (64, 30446), (67, 30377), (68, 30254), (69, 30248), (70, 30227), (71, 30206), (72, 30134), (75, 30047),

Gene: Wyvern_54 Start: 32534, Stop: 29901, Start Num: 10
Candidate Starts for Wyvern_54:
(4, 32585), (6, 32573), (7, 32570), (Start: 10 @32534 has 1 MA's), (11, 32387), (12, 32378), (14, 32030), (15, 32009), (18, 31835), (19, 31814), (20, 31799), (21, 31784), (22, 31772), (23, 31730), (24, 31652), (25, 31640), (28, 31403), (29, 31361), (31, 31280), (32, 31229), (35, 31037), (36, 31019), (38, 30971), (40, 30932), (43, 30881), (46, 30869), (48, 30824), (51, 30740), (52, 30731), (53, 30719), (55, 30626), (56, 30596), (57, 30557), (58, 30515), (61, 30341), (63, 30329), (65, 30263), (66, 30254), (67, 30239), (68, 30116), (69, 30110), (70, 30089), (71, 30068), (73, 29972),