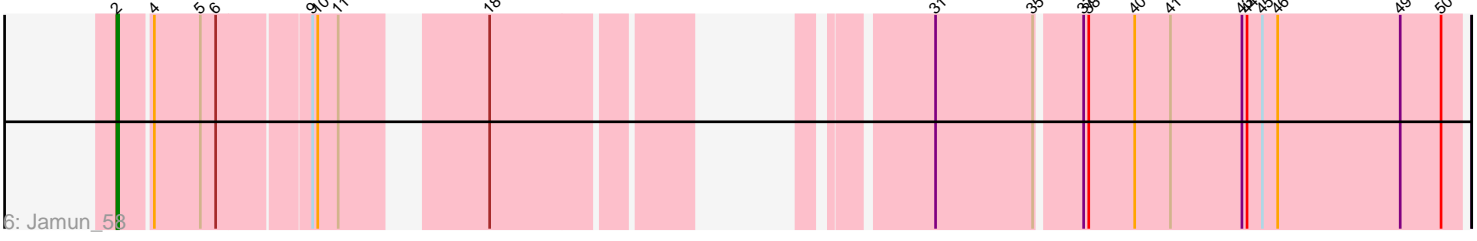
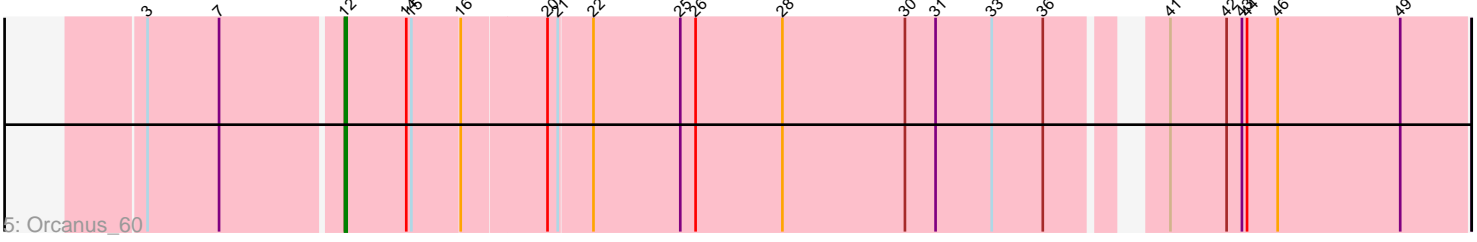
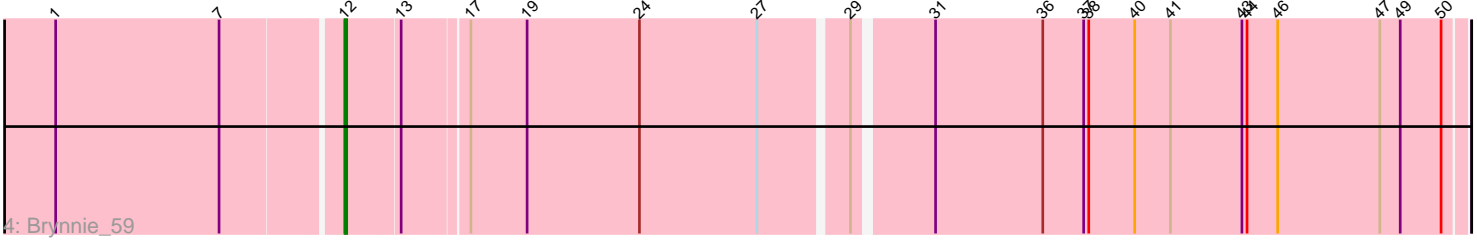
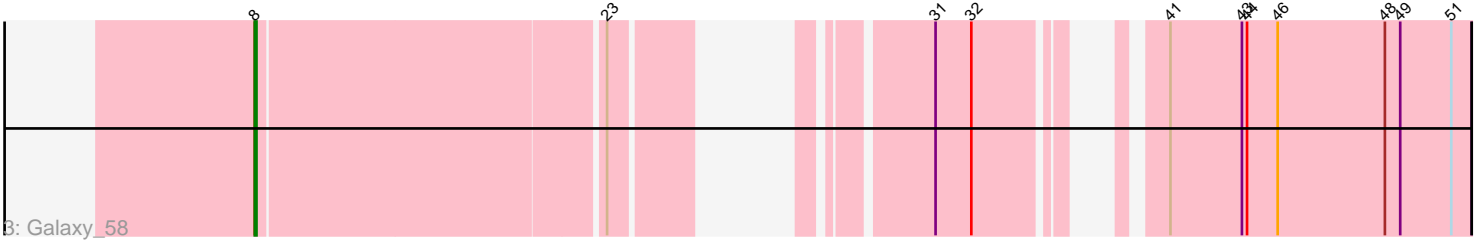
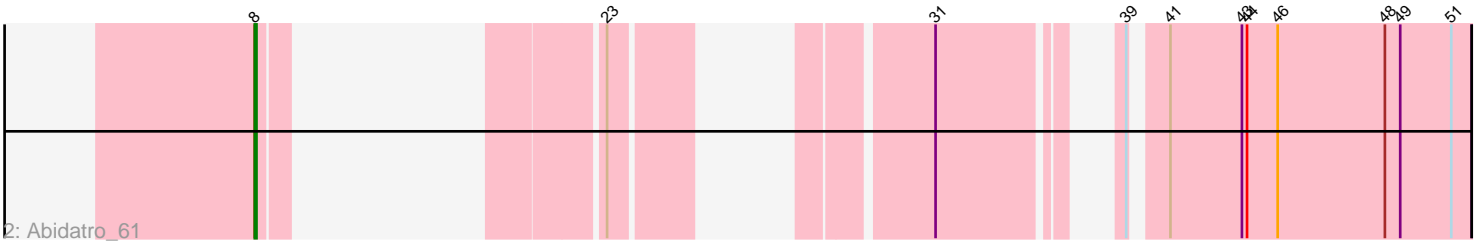
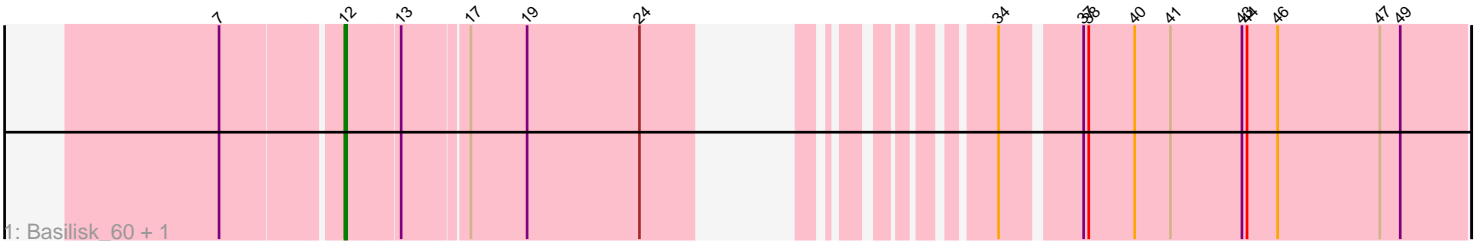


Pham 272516



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 272516 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272516 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Basilisk_60, Ruchi_59
- Track 2 : Abidatro_61
- Track 3 : Galaxy_58
- Track 4 : Brynnie_59
- Track 5 : Orcanus_60
- Track 6 : Jamun_58

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Basilisk_60, Brynnie_59, Orcanus_60, Ruchi_59,

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

-

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

- Abidatro_61, Galaxy_58, Jamun_58,

Summary by start number:

Start 2:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jamun_58 (AS1),

Start 8:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abidatro_61 (AS1), Galaxy_58 (AS1),

Start 12:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Basilisk_60 (AS1), Brynnie_59 (AS1), Orcanus_60 (AS1), Ruchi_59 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:

- Start number 2 was manually annotated 1 time for cluster AS1.
- Start number 8 was manually annotated 2 times for cluster AS1.
- Start number 12 was manually annotated 4 times for cluster AS1.

Gene Information:

Gene: Abidatro_61 Start: 37154, Stop: 37618, Start Num: 8

Candidate Starts for Abidatro_61:

(Start: 8 @37154 has 2 MA's), (23, 37235), (31, 37352), (39, 37427), (41, 37442), (43, 37484), (44, 37487), (46, 37505), (48, 37568), (49, 37577), (51, 37607),

Gene: Basilisk_60 Start: 36522, Stop: 37061, Start Num: 12

Candidate Starts for Basilisk_60:

(7, 36456), (Start: 12 @36522 has 4 MA's), (13, 36552), (17, 36588), (19, 36621), (24, 36687), (34, 36795), (37, 36837), (38, 36840), (40, 36867), (41, 36888), (43, 36930), (44, 36933), (46, 36951), (47, 37011), (49, 37023),

Gene: Brynnie_59 Start: 36458, Stop: 37090, Start Num: 12

Candidate Starts for Brynnie_59:

(1, 36296), (7, 36392), (Start: 12 @36458 has 4 MA's), (13, 36488), (17, 36524), (19, 36557), (24, 36623), (27, 36692), (29, 36740), (31, 36782), (36, 36845), (37, 36869), (38, 36872), (40, 36899), (41, 36920), (43, 36962), (44, 36965), (46, 36983), (47, 37043), (49, 37055), (50, 37079),

Gene: Galaxy_58 Start: 35553, Stop: 36125, Start Num: 8

Candidate Starts for Galaxy_58:

(Start: 8 @35553 has 2 MA's), (23, 35748), (31, 35859), (32, 35880), (41, 35949), (43, 35991), (44, 35994), (46, 36012), (48, 36075), (49, 36084), (51, 36114),

Gene: Jamun_58 Start: 36794, Stop: 37456, Start Num: 2

Candidate Starts for Jamun_58:

(Start: 2 @36794 has 1 MA's), (4, 36812), (5, 36839), (6, 36848), (9, 36899), (10, 36902), (11, 36914), (18, 36980), (31, 37154), (35, 37211), (37, 37235), (38, 37238), (40, 37265), (41, 37286), (43, 37328), (44, 37331), (45, 37340), (46, 37349), (49, 37421), (50, 37445),

Gene: Orcanus_60 Start: 37004, Stop: 37630, Start Num: 12

Candidate Starts for Orcanus_60:

(3, 36893), (7, 36935), (Start: 12 @37004 has 4 MA's), (14, 37040), (15, 37043), (16, 37070), (20, 37118), (21, 37124), (22, 37142), (25, 37193), (26, 37202), (28, 37253), (30, 37325), (31, 37343), (33,

37376), (36, 37406), (41, 37457), (42, 37490), (43, 37499), (44, 37502), (46, 37520), (49, 37592),

Gene: Ruchi_59 Start: 36444, Stop: 36983, Start Num: 12

Candidate Starts for Ruchi_59:

(7, 36378), (Start: 12 @36444 has 4 MA's), (13, 36474), (17, 36510), (19, 36543), (24, 36609), (34, 36717), (37, 36759), (38, 36762), (40, 36789), (41, 36810), (43, 36852), (44, 36855), (46, 36873), (47, 36933), (49, 36945),