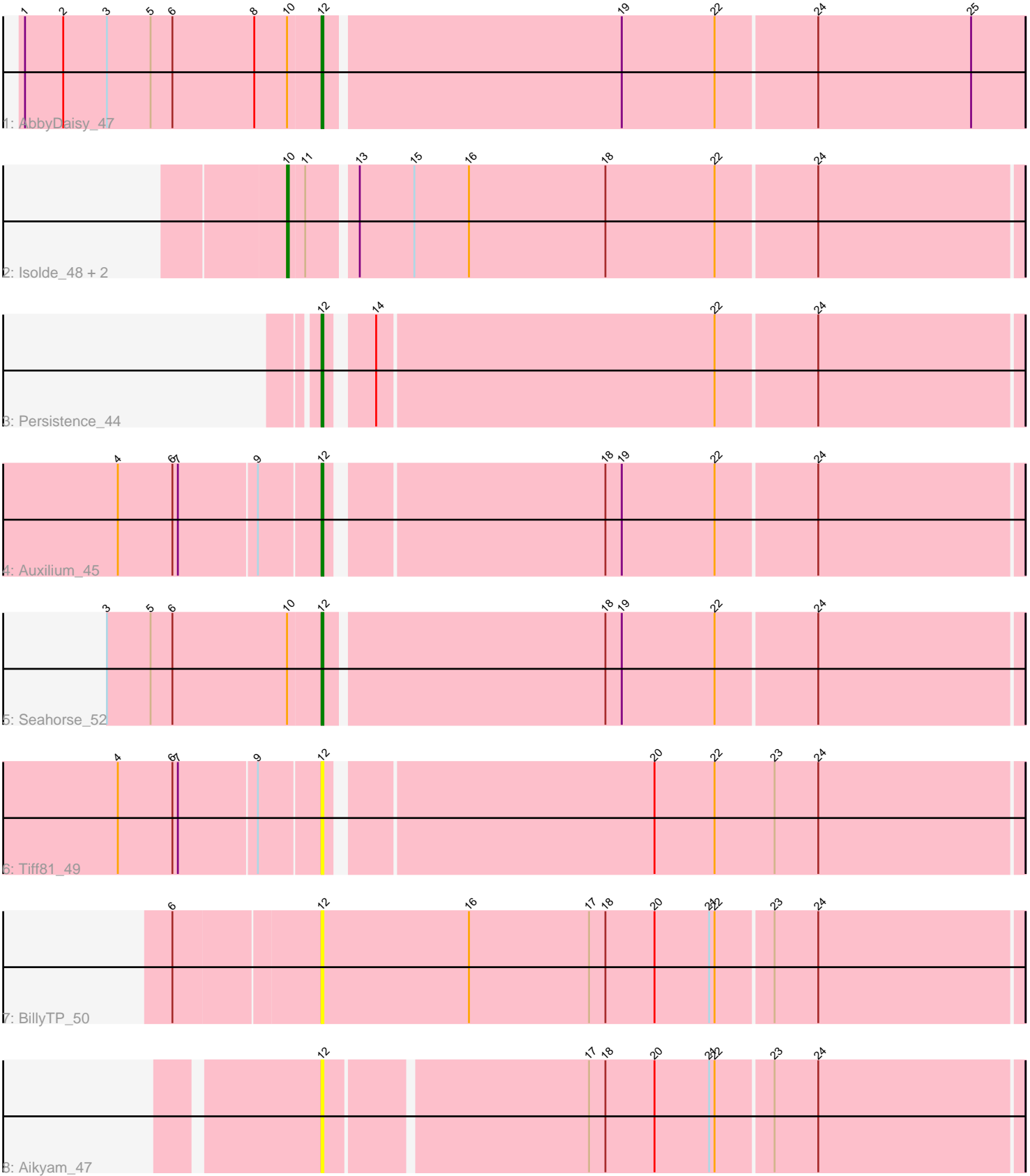# Pham 162384

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 162384 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162384 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : AbbyDaisy_47
• Track 2 : Isolde_48, Raphaella_49, YoungHarleezy_49
• Track 3 : Persistence_44
• Track 4 : Auxilium_45
• Track 5 : Seahorse_52
• Track 6 : Tiff81_49
• Track 7 : BillyTP_50
• Track 8 : Aikyam_47

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_47, Aikyam_47, Auxilium_45, BillyTP_50, Persistence_44, Seahorse_52, Tiff81_49,

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

Genes that do not have the "Most Annotated" start:
• Isolde_48, Raphaella_49, YoungHarleezy_49,

Summary by start number:

Start 10:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Isolde_48 (AY), Raphaella_49 (AY), YoungHarleezy_49 (AY),

Start 12:

• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_47 (AY), Aikyam_47 (AY), Auxilium_45 (AY), BillyTP_50 (AY), Persistence_44 (AY), Seahorse_52 (AY), Tiff81_49 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 1 time for cluster AY.
•Start number 12 was manually annotated 4 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_47 Start: 30662, Stop: 31039, Start Num: 12
Candidate Starts for AbbyDaisy_47:
(1, 30500), (2, 30521), (3, 30545), (5, 30569), (6, 30581), (8, 30626), (Start: 10 @30644 has 1 MA's), (Start: 12 @30662 has 4 MA's), (19, 30821), (22, 30872), (24, 30926), (25, 31010),

Gene: Aikyam_47 Start: 28281, Stop: 28652, Start Num: 12
Candidate Starts for Aikyam_47:
(Start: 12 @28281 has 4 MA's), (17, 28419), (18, 28428), (20, 28455), (21, 28485), (22, 28488), (23, 28518), (24, 28542),

Gene: Auxilium_45 Start: 28077, Stop: 28445, Start Num: 12
Candidate Starts for Auxilium_45:
(4, 27969), (6, 27999), (7, 28002), (9, 28044), (Start: 12 @28077 has 4 MA's), (18, 28221), (19, 28230), (22, 28281), (24, 28335),

Gene: BillyTP_50 Start: 31459, Stop: 31839, Start Num: 12
Candidate Starts for BillyTP_50:
(6, 31381), (Start: 12 @31459 has 4 MA's), (16, 31540), (17, 31606), (18, 31615), (20, 31642), (21, 31672), (22, 31675), (23, 31705), (24, 31729),

Gene: Isolde_48 Start: 30136, Stop: 30528, Start Num: 10
Candidate Starts for Isolde_48:
(Start: 10 @30136 has 1 MA's), (11, 30145), (13, 30169), (15, 30199), (16, 30229), (18, 30304), (22, 30364), (24, 30418),

Gene: Persistence_44 Start: 29226, Stop: 29594, Start Num: 12
Candidate Starts for Persistence_44:
(Start: 12 @29226 has 4 MA's), (14, 29247), (22, 29430), (24, 29484),

Gene: Raphaella_49 Start: 30068, Stop: 30460, Start Num: 10
Candidate Starts for Raphaella_49:
(Start: 10 @30068 has 1 MA's), (11, 30077), (13, 30101), (15, 30131), (16, 30161), (18, 30236), (22, 30296), (24, 30350),

Gene: Seahorse_52 Start: 32428, Stop: 32802, Start Num: 12
Candidate Starts for Seahorse_52:
(3, 32311), (5, 32335), (6, 32347), (Start: 10 @32410 has 1 MA's), (Start: 12 @32428 has 4 MA's), (18, 32578), (19, 32587), (22, 32638), (24, 32692),

Gene: Tiff81_49 Start: 28602, Stop: 28973, Start Num: 12
Candidate Starts for Tiff81_49:
(4, 28494), (6, 28524), (7, 28527), (9, 28569), (Start: 12 @28602 has 4 MA's), (20, 28773), (22, 28806), (23, 28839), (24, 28863),

Gene: YoungHarleezy_49 Start: 30634, Stop: 31026, Start Num: 10
Candidate Starts for YoungHarleezy_49:
(Start: 10 @30634 has 1 MA's), (11, 30643), (13, 30667), (15, 30697), (16, 30727), (18, 30802), (22, 30862), (24, 30916),