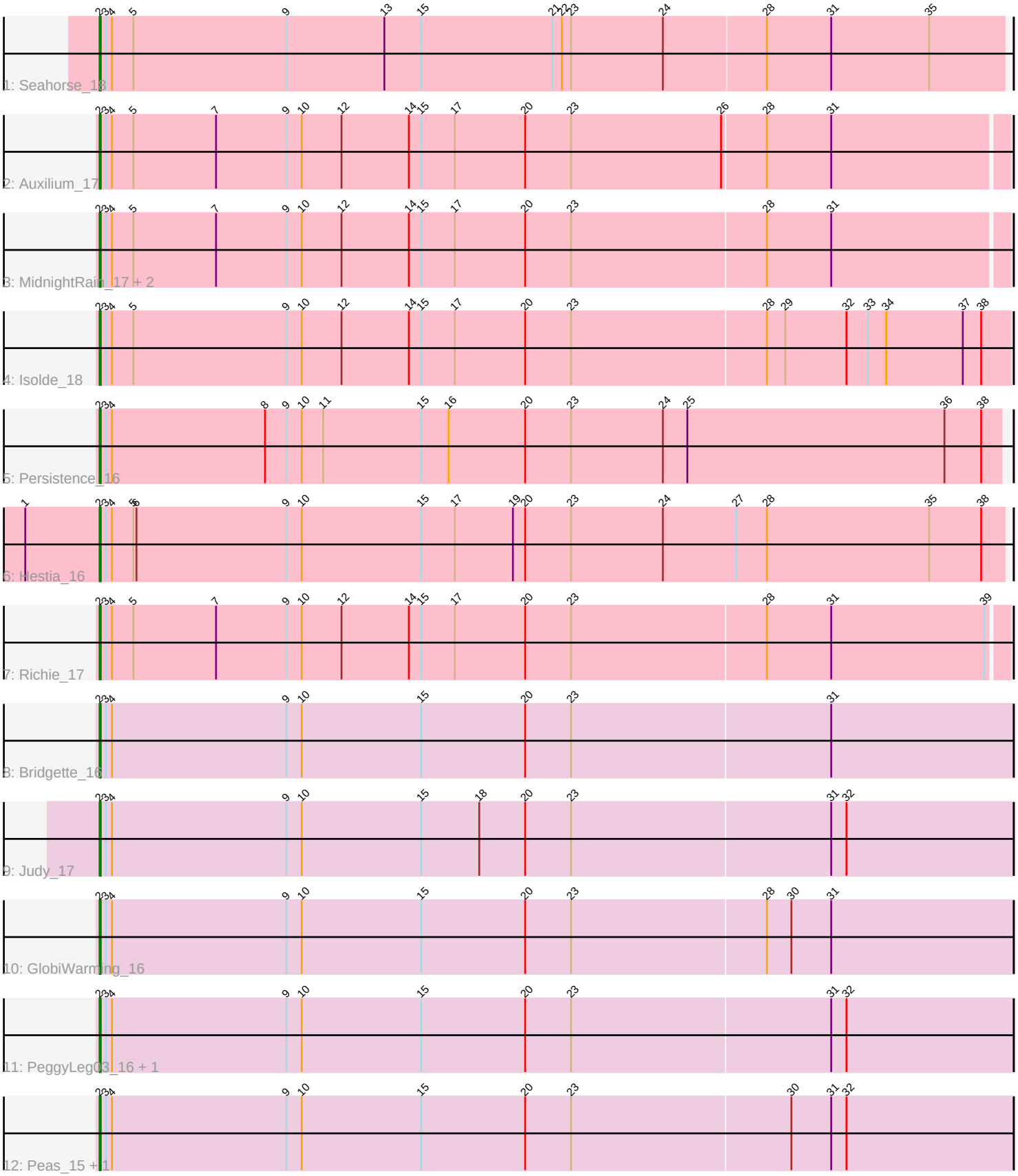
Pham 87008


1: Seahorse_18
2: Auxilium_17
3: MidnightRain_17 + 2
4: Isolde_18
5: Persistence_16
6: Hestia_16
7: Richie_17
8: Bridgette_16
9: Judy_17
10: GlobiWarming_16
11: PeggyLeg03_16 + 1
12: Peas_15 + 1

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 87008 Report

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

Pham number 87008 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Seahorse_18
• Track 2 : Auxilium_17
• Track 3 : MidnightRain_17, RadFad_17, Sakai_17
• Track 4 : Isolde_18
• Track 5 : Persistence_16
• Track 6 : Hestia_16
• Track 7 : Richie_17
• Track 8 : Bridgette_16
• Track 9 : Judy_17
• Track 10 : GlobiWarming_16
• Track 11 : PeggyLeg03_16, Constance_16
• Track 12 : Peas_15, Eileen_16

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auxilium_17, Bridgette_16, Constance_16, Eileen_16, GlobiWarming_16, Hestia_16, Isolde_18, Judy_17, MidnightRain_17, Peas_15, PeggyLeg03_16, Persistence_16, RadFad_17, Richie_17, Sakai_17, Seahorse_18,

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 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auxilium_17 (AY), Bridgette_16 (FA), Constance_16 (FA), Eileen_16 (FA), GlobiWarming_16 (FA), Hestia_16 (AY), Isolde_18 (AY), Judy_17 (FA), MidnightRain_17 (AY), Peas_15 (FA), PeggyLeg03_16 (FA), Persistence_16 (AY), RadFad_17 (AY), Richie_17 (AY), Sakai_17 (AY), Seahorse_18 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 9 times for cluster AY.

Info for manual annotations of cluster FA:
•Start number 2 was manually annotated 7 times for cluster FA.

Gene Information:

Gene: Auxilium_17 Start: 9651, Stop: 10534, Start Num: 2
Candidate Starts for Auxilium_17:
(Start: 2 @9651 has 16 MA's), (3, 9657), (4, 9663), (5, 9684), (7, 9765), (9, 9834), (10, 9849), (12, 9888), (14, 9954), (15, 9966), (17, 9999), (20, 10068), (23, 10113), (26, 10260), (28, 10302), (31, 10365),

Gene: Bridgette_16 Start: 9817, Stop: 10709, Start Num: 2
Candidate Starts for Bridgette_16:
(Start: 2 @9817 has 16 MA's), (3, 9823), (4, 9829), (9, 10000), (10, 10015), (15, 10132), (20, 10234), (23, 10279), (31, 10531),

Gene: Constance_16 Start: 9820, Stop: 10712, Start Num: 2
Candidate Starts for Constance_16:
(Start: 2 @9820 has 16 MA's), (3, 9826), (4, 9832), (9, 10003), (10, 10018), (15, 10135), (20, 10237), (23, 10282), (31, 10534), (32, 10549),

Gene: Eileen_16 Start: 9781, Stop: 10673, Start Num: 2
Candidate Starts for Eileen_16:
(Start: 2 @9781 has 16 MA's), (3, 9787), (4, 9793), (9, 9964), (10, 9979), (15, 10096), (20, 10198), (23, 10243), (30, 10456), (31, 10495), (32, 10510),

Gene: GlobiWarming_16 Start: 9774, Stop: 10666, Start Num: 2
Candidate Starts for GlobiWarming_16:
(Start: 2 @9774 has 16 MA's), (3, 9780), (4, 9786), (9, 9957), (10, 9972), (15, 10089), (20, 10191), (23, 10236), (28, 10425), (30, 10449), (31, 10488),

Gene: Hestia_16 Start: 9769, Stop: 10655, Start Num: 2
Candidate Starts for Hestia_16:
(1, 9697), (Start: 2 @9769 has 16 MA's), (3, 9775), (4, 9781), (5, 9802), (6, 9805), (9, 9952), (10, 9967), (15, 10084), (17, 10117), (19, 10174), (20, 10186), (23, 10231), (24, 10321), (27, 10393), (28, 10423), (35, 10582), (38, 10633),

Gene: Isolde_18 Start: 9725, Stop: 10614, Start Num: 2
Candidate Starts for Isolde_18:
(Start: 2 @9725 has 16 MA's), (3, 9731), (4, 9737), (5, 9758), (9, 9908), (10, 9923), (12, 9962), (14, 10028), (15, 10040), (17, 10073), (20, 10142), (23, 10187), (28, 10376), (29, 10394), (32, 10454), (33, 10475), (34, 10493), (37, 10568), (38, 10586),

Gene: Judy_17 Start: 10091, Stop: 10983, Start Num: 2
Candidate Starts for Judy_17:
(Start: 2 @10091 has 16 MA's), (3, 10097), (4, 10103), (9, 10274), (10, 10289), (15, 10406), (18, 10463), (20, 10508), (23, 10553), (31, 10805), (32, 10820),

Gene: MidnightRain_17 Start: 9650, Stop: 10533, Start Num: 2
Candidate Starts for MidnightRain_17:
(Start: 2 @9650 has 16 MA's), (3, 9656), (4, 9662), (5, 9683), (7, 9764), (9, 9833), (10, 9848), (12, 9887), (14, 9953), (15, 9965), (17, 9998), (20, 10067), (23, 10112), (28, 10301), (31, 10364),

Gene: Peas_15 Start: 9781, Stop: 10673, Start Num: 2
Candidate Starts for Peas_15:
(Start: 2 @9781 has 16 MA's), (3, 9787), (4, 9793), (9, 9964), (10, 9979), (15, 10096), (20, 10198), (23, 10243), (30, 10456), (31, 10495), (32, 10510),

Gene: PeggyLeg03_16 Start: 9820, Stop: 10712, Start Num: 2
Candidate Starts for PeggyLeg03_16:
(Start: 2 @9820 has 16 MA's), (3, 9826), (4, 9832), (9, 10003), (10, 10018), (15, 10135), (20, 10237), (23, 10282), (31, 10534), (32, 10549),

Gene: Persistence_16 Start: 9723, Stop: 10606, Start Num: 2
Candidate Starts for Persistence_16:
(Start: 2 @9723 has 16 MA's), (3, 9729), (4, 9735), (8, 9885), (9, 9906), (10, 9921), (11, 9942), (15, 10038), (16, 10065), (20, 10140), (23, 10185), (24, 10275), (25, 10299), (36, 10551), (38, 10587),

Gene: RadFad_17 Start: 9651, Stop: 10534, Start Num: 2
Candidate Starts for RadFad_17:
(Start: 2 @9651 has 16 MA's), (3, 9657), (4, 9663), (5, 9684), (7, 9765), (9, 9834), (10, 9849), (12, 9888), (14, 9954), (15, 9966), (17, 9999), (20, 10068), (23, 10113), (28, 10302), (31, 10365),

Gene: Richie_17 Start: 9666, Stop: 10549, Start Num: 2
Candidate Starts for Richie_17:
(Start: 2 @9666 has 16 MA's), (3, 9672), (4, 9678), (5, 9699), (7, 9780), (9, 9849), (10, 9864), (12, 9903), (14, 9969), (15, 9981), (17, 10014), (20, 10083), (23, 10128), (28, 10317), (31, 10380), (39, 10530),

Gene: Sakai_17 Start: 9660, Stop: 10543, Start Num: 2
Candidate Starts for Sakai_17:
(Start: 2 @9660 has 16 MA's), (3, 9666), (4, 9672), (5, 9693), (7, 9774), (9, 9843), (10, 9858), (12, 9897), (14, 9963), (15, 9975), (17, 10008), (20, 10077), (23, 10122), (28, 10311), (31, 10374),

Gene: Seahorse_18 Start: 9917, Stop: 10800, Start Num: 2
Candidate Starts for Seahorse_18:
(Start: 2 @9917 has 16 MA's), (3, 9923), (4, 9929), (5, 9950), (9, 10100), (13, 10196), (15, 10232), (21, 10361), (22, 10370), (23, 10379), (24, 10469), (28, 10568), (31, 10631), (35, 10727),