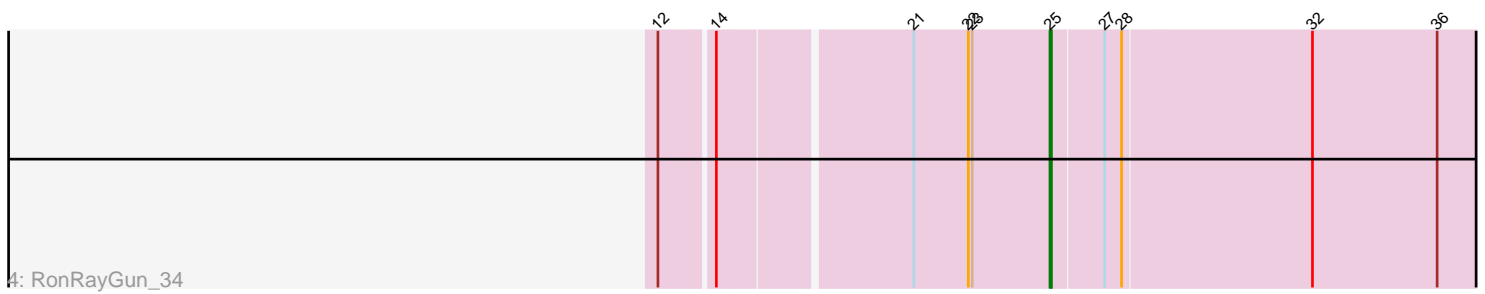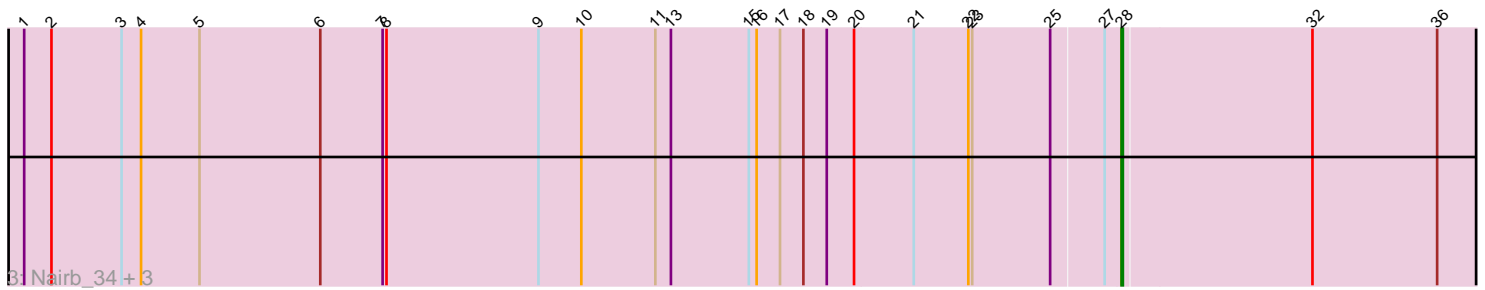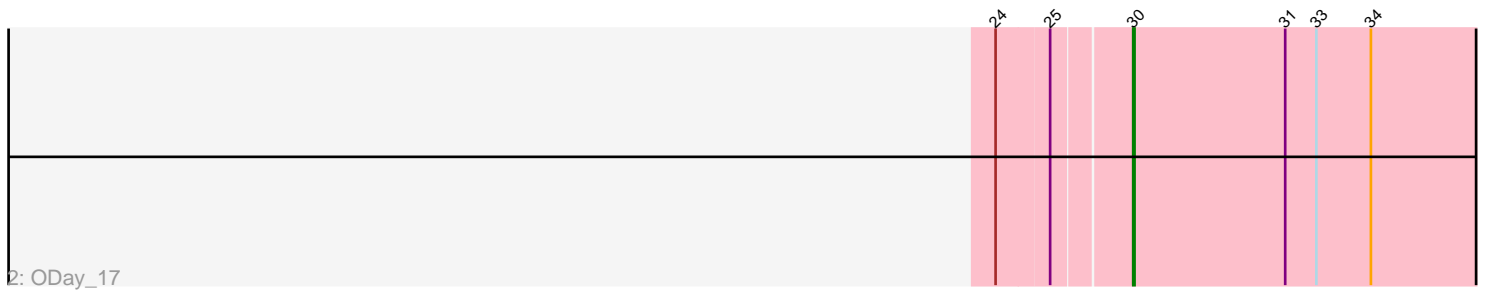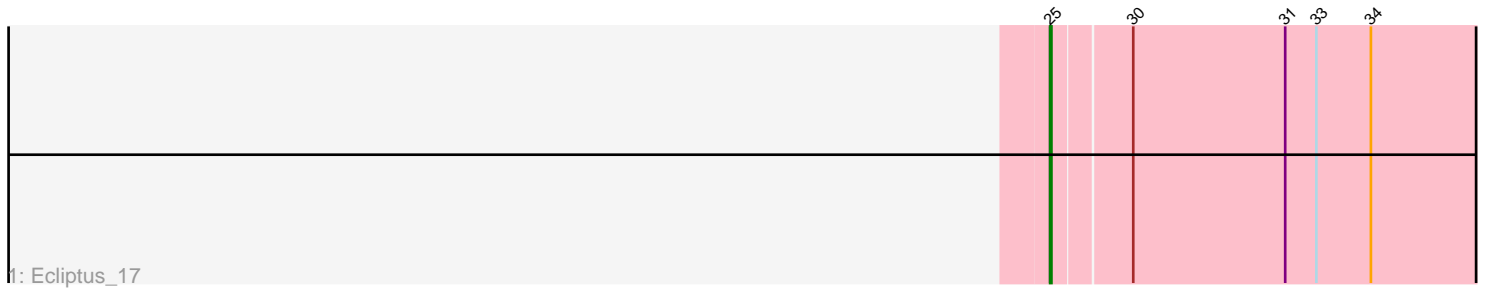# Pham 87885

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 87885 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87885 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ecliptus_17
• Track 2 : ODay_17
• Track 3 : Nairb_34, ZenTime222_34, Bernal13_35, Whitty_35
• Track 4 : RonRayGun_34
• Track 5 : Mendokysei_33

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

The start number called the most often in the published annotations is 28, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bernal13_35, Mendokysei_33, Nairb_34, Whitty_35, ZenTime222_34,

Genes that have the "Most Annotated" start but do not call it:
• RonRayGun_34,

Genes that do not have the "Most Annotated" start:
• Ecliptus_17, ODay_17,

Summary by start number:

Start 25:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Ecliptus_17 (DN), RonRayGun_34 (T),

Start 28:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Bernal13_35 (T), Mendokysei_33 (T), Nairb_34 (T), Whitty_35 (T), ZenTime222_34 (T),

Start 30:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ODay_17 (DN),

Summary by clusters:

There are 2 clusters represented in this pham: DN, T,

Info for manual annotations of cluster DN:
•Start number 25 was manually annotated 1 time for cluster DN.
•Start number 30 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster T:
•Start number 25 was manually annotated 1 time for cluster T.
•Start number 28 was manually annotated 5 times for cluster T.

Gene Information:
Gene: Bernal13_35 Start: 29765, Stop: 29442, Start Num: 28
Candidate Starts for Bernal13_35:
(1, 30605), (2, 30584), (3, 30530), (4, 30515), (5, 30470), (6, 30377), (7, 30329), (8, 30326), (9, 30209), (10, 30176), (11, 30119), (13, 30107), (15, 30047), (16, 30041), (17, 30023), (18, 30005), (19, 29987), (20, 29966), (21, 29921), (22, 29879), (23, 29876), (Start: 25 @29816 has 2 MA's), (27, 29777), (Start: 28 @29765 has 5 MA's), (32, 29624), (36, 29528),

Gene: Ecliptus_17 Start: 9896, Stop: 9513, Start Num: 25
Candidate Starts for Ecliptus_17:
(Start: 25 @9896 has 2 MA's), (Start: 30 @9839 has 1 MA's), (31, 9722), (33, 9698), (34, 9656),

Gene: Mendokysei_33 Start: 29309, Stop: 28983, Start Num: 28
Candidate Starts for Mendokysei_33:
(26, 29357), (Start: 28 @29309 has 5 MA's), (29, 29306), (32, 29165), (35, 29078),

Gene: Nairb_34 Start: 29765, Stop: 29442, Start Num: 28
Candidate Starts for Nairb_34:
(1, 30605), (2, 30584), (3, 30530), (4, 30515), (5, 30470), (6, 30377), (7, 30329), (8, 30326), (9, 30209), (10, 30176), (11, 30119), (13, 30107), (15, 30047), (16, 30041), (17, 30023), (18, 30005), (19, 29987), (20, 29966), (21, 29921), (22, 29879), (23, 29876), (Start: 25 @29816 has 2 MA's), (27, 29777), (Start: 28 @29765 has 5 MA's), (32, 29624), (36, 29528),

Gene: ODay_17 Start: 9845, Stop: 9519, Start Num: 30
Candidate Starts for ODay_17:
(24, 9941), (Start: 25 @9902 has 2 MA's), (Start: 30 @9845 has 1 MA's), (31, 9728), (33, 9704), (34, 9662),

Gene: RonRayGun_34 Start: 29816, Stop: 29442, Start Num: 25
Candidate Starts for RonRayGun_34:

(12, 30095), (14, 30059), (21, 29921), (22, 29879), (23, 29876), (Start: 25 @29816 has 2 MA's), (27, 29777), (Start: 28 @29765 has 5 MA's), (32, 29624), (36, 29528),

Gene: Whitty_35 Start: 29765, Stop: 29442, Start Num: 28
Candidate Starts for Whitty_35:
(1, 30605), (2, 30584), (3, 30530), (4, 30515), (5, 30470), (6, 30377), (7, 30329), (8, 30326), (9, 30209), (10, 30176), (11, 30119), (13, 30107), (15, 30047), (16, 30041), (17, 30023), (18, 30005), (19, 29987), (20, 29966), (21, 29921), (22, 29879), (23, 29876), (Start: 25 @29816 has 2 MA's), (27, 29777), (Start: 28 @29765 has 5 MA's), (32, 29624), (36, 29528),

Gene: ZenTime222_34 Start: 29765, Stop: 29442, Start Num: 28
Candidate Starts for ZenTime222_34:
(1, 30605), (2, 30584), (3, 30530), (4, 30515), (5, 30470), (6, 30377), (7, 30329), (8, 30326), (9, 30209), (10, 30176), (11, 30119), (13, 30107), (15, 30047), (16, 30041), (17, 30023), (18, 30005), (19, 29987), (20, 29966), (21, 29921), (22, 29879), (23, 29876), (Start: 25 @29816 has 2 MA's), (27, 29777), (Start: 28 @29765 has 5 MA's), (32, 29624), (36, 29528),