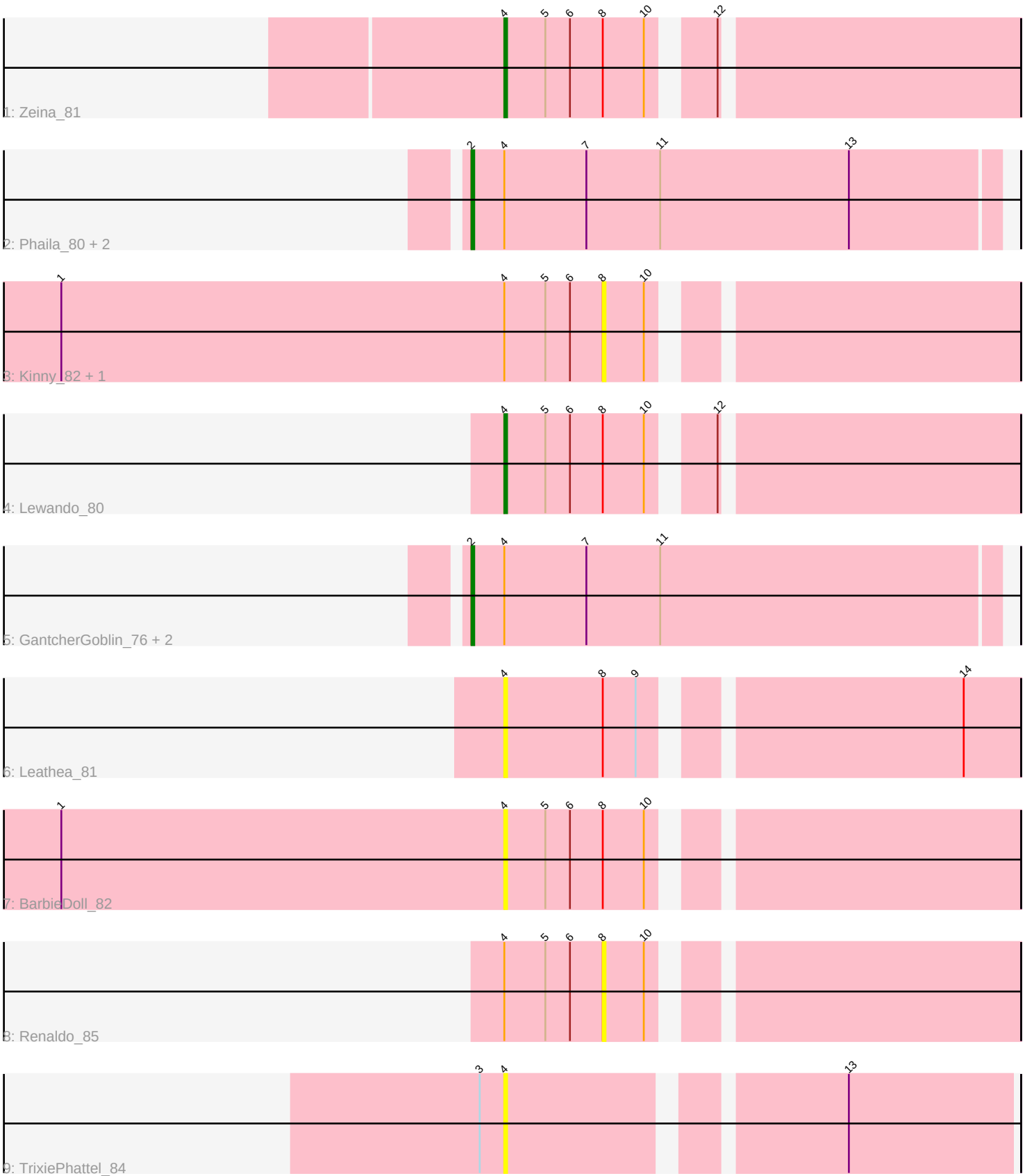
Pham 203436


4
5
6
8
10
12
1: Zeina_81
2
4
7
11
13
2: Phaila_80 + 2
1
4
5
6
8
10
3: Kinny_82 + 1
4
5
6
8
10
12
4: Lewando_80
2
4
7
11
5: GantcherGoblin_76 + 2
4
8
9
14
6: Leathea_81
1
4
5
6
8
10
7: BarbieDoll_82
4
5
6
8
10
8: Renaldo_85
3
4
13
9: TrixiePhattel_84

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 203436 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203436 has 14 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Zeina_81
• Track 2 : Phaila_80, Argan_77, Navi1117_83
• Track 3 : Kinny_82, Biscute_81
• Track 4 : Lewando_80
• Track 5 : GantcherGoblin_76, Tenney120_82, KevinMinion_76
• Track 6 : Leathea_81
• Track 7 : BarbieDoll_82
• Track 8 : Renaldo_85
• Track 9 : TrixiePhattel_84

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

Genes that call this "Most Annotated" start:
• Argan_77, GantcherGoblin_76, KevinMinion_76, Navi1117_83, Phaila_80, Tenney120_82,

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

Genes that do not have the "Most Annotated" start:
• BarbieDoll_82, Biscute_81, Kinny_82, Leathea_81, Lewando_80, Renaldo_85, TrixiePhattel_84, Zeina_81,

Summary by start number:

Start 2:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argan_77 (AU6), GantcherGoblin_76 (AU6), KevinMinion_76 (AU6), Navi1117_83 (AU6), Phaila_80 (AU6), Tenney120_82

(AU6),

Start 4:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 35.7% of time when present
• Phage (with cluster) where this start called: BarbieDoll_82 (AU6), Leathea_81 (AU6), Lewando_80 (AU6), TrixiePhattel_84 (AU6), Zeina_81 (AU6),

Start 8:
• Found in 7 of 14 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Biscute_81 (AU6), Kinny_82 (AU6), Renaldo_85 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:
•Start number 2 was manually annotated 2 times for cluster AU6.
•Start number 4 was manually annotated 2 times for cluster AU6.

Gene Information:

Gene: Argan_77 Start: 47252, Stop: 47443, Start Num: 2
Candidate Starts for Argan_77:
(Start: 2 @47252 has 2 MA's), (Start: 4 @47264 has 2 MA's), (7, 47294), (11, 47321), (13, 47390),

Gene: BarbieDoll_82 Start: 48868, Stop: 49041, Start Num: 4
Candidate Starts for BarbieDoll_82:
(1, 48706), (Start: 4 @48868 has 2 MA's), (5, 48883), (6, 48892), (8, 48904), (10, 48919),

Gene: Biscute_81 Start: 48556, Stop: 48693, Start Num: 8
Candidate Starts for Biscute_81:
(1, 48358), (Start: 4 @48520 has 2 MA's), (5, 48535), (6, 48544), (8, 48556), (10, 48571),

Gene: GantcherGoblin_76 Start: 47413, Stop: 47604, Start Num: 2
Candidate Starts for GantcherGoblin_76:
(Start: 2 @47413 has 2 MA's), (Start: 4 @47425 has 2 MA's), (7, 47455), (11, 47482),

Gene: KevinMinion_76 Start: 48203, Stop: 48394, Start Num: 2
Candidate Starts for KevinMinion_76:
(Start: 2 @48203 has 2 MA's), (Start: 4 @48215 has 2 MA's), (7, 48245), (11, 48272),

Gene: Kinny_82 Start: 49383, Stop: 49520, Start Num: 8
Candidate Starts for Kinny_82:
(1, 49185), (Start: 4 @49347 has 2 MA's), (5, 49362), (6, 49371), (8, 49383), (10, 49398),

Gene: Leathea_81 Start: 47466, Stop: 47639, Start Num: 4

Candidate Starts for Leathea_81:
(Start: 4 @47466 has 2 MA's), (8, 47502), (9, 47514), (14, 47619),

Gene: Lewando_80 Start: 48656, Stop: 48829, Start Num: 4
Candidate Starts for Lewando_80:
(Start: 4 @48656 has 2 MA's), (5, 48671), (6, 48680), (8, 48692), (10, 48707), (12, 48725),

Gene: Navi1117_83 Start: 48959, Stop: 49150, Start Num: 2
Candidate Starts for Navi1117_83:
(Start: 2 @48959 has 2 MA's), (Start: 4 @48971 has 2 MA's), (7, 49001), (11, 49028), (13, 49097),

Gene: Phaila_80 Start: 47433, Stop: 47624, Start Num: 2
Candidate Starts for Phaila_80:
(Start: 2 @47433 has 2 MA's), (Start: 4 @47445 has 2 MA's), (7, 47475), (11, 47502), (13, 47571),

Gene: Renaldo_85 Start: 48904, Stop: 49041, Start Num: 8
Candidate Starts for Renaldo_85:
(Start: 4 @48868 has 2 MA's), (5, 48883), (6, 48892), (8, 48904), (10, 48919),

Gene: Tenney120_82 Start: 48450, Stop: 48641, Start Num: 2
Candidate Starts for Tenney120_82:
(Start: 2 @48450 has 2 MA's), (Start: 4 @48462 has 2 MA's), (7, 48492), (11, 48519),

Gene: TrixiePhattel_84 Start: 48533, Stop: 48703, Start Num: 4
Candidate Starts for TrixiePhattel_84:
(3, 48524), (Start: 4 @48533 has 2 MA's), (13, 48644),

Gene: Zeina_81 Start: 48117, Stop: 48290, Start Num: 4
Candidate Starts for Zeina_81:
(Start: 4 @48117 has 2 MA's), (5, 48132), (6, 48141), (8, 48153), (10, 48168), (12, 48186),