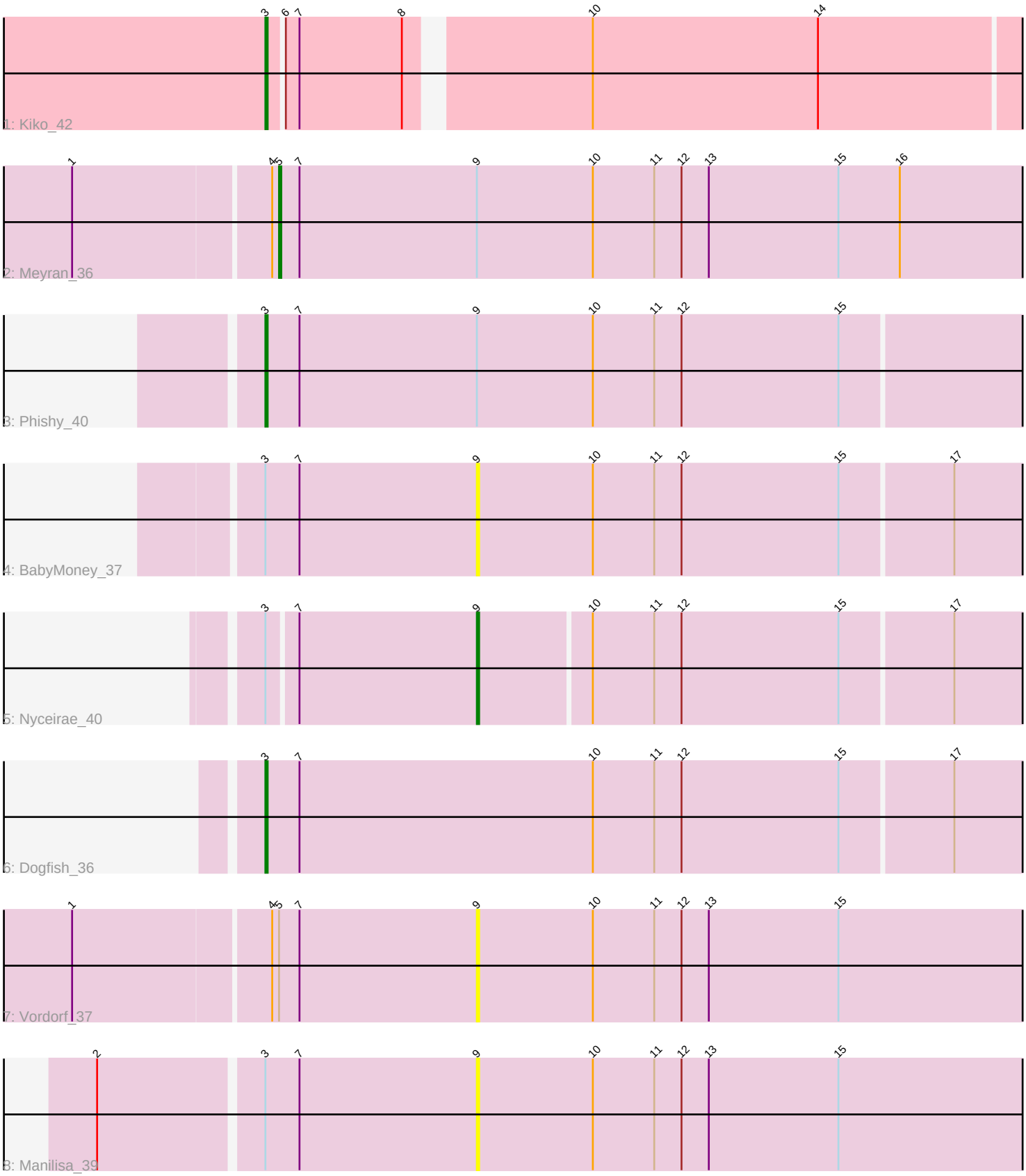
Pham 297286


3 6 7 8 10 14
1: Kiko_42
1 4 5 7 9 10 11 12 13 15 16
2: Meyran_36
3 7 9 10 11 12 15
3: Phishy_40
3 7 9 10 11 12 15 17
4: BabyMoney_37
3 7 9 10 11 12 15 17
5: Nyceirae_40
3 7 10 11 12 15 17
6: Dogfish_36
1 4 5 7 9 10 11 12 13 15
7: Vordorf_37
2 3 7 9 10 11 12 13 15
8: Manilisa_39

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 297286 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297286 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Kiko_42
• Track 2 : Meyran_36
• Track 3 : Phishy_40
• Track 4 : BabyMoney_37
• Track 5 : Nyceirae_40
• Track 6 : Dogfish_36
• Track 7 : Vordorf_37
• Track 8 : Manilisa_39

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dogfish_36, Kiko_42, Phishy_40,

Genes that have the "Most Annotated" start but do not call it:
• BabyMoney_37, Manilisa_39, Nyceirae_40,

Genes that do not have the "Most Annotated" start:
• Meyran_36, Vordorf_37,

Summary by start number:

Start 3:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dogfish_36 (DT), Kiko_42 (DB), Phishy_40 (DT),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham

• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Meyran_36 (DT),

Start 9:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BabyMoney_37 (DT), Manilisa_39 (DT), Nyceirae_40 (DT), Vordorf_37 (DT),

Summary by clusters:

There are 2 clusters represented in this pham: DT, DB,

Info for manual annotations of cluster DB:
•Start number 3 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DT:
•Start number 3 was manually annotated 2 times for cluster DT.
•Start number 5 was manually annotated 1 time for cluster DT.
•Start number 9 was manually annotated 1 time for cluster DT.

Gene Information:

Gene: BabyMoney_37 Start: 31044, Stop: 31310, Start Num: 9
Candidate Starts for BabyMoney_37:
(Start: 3 @30951 has 3 MA's), (7, 30966), (Start: 9 @31044 has 1 MA's), (10, 31095), (11, 31122), (12, 31134), (15, 31203), (17, 31251),

Gene: Dogfish_36 Start: 30380, Stop: 30739, Start Num: 3
Candidate Starts for Dogfish_36:
(Start: 3 @30380 has 3 MA's), (7, 30395), (10, 30524), (11, 30551), (12, 30563), (15, 30632), (17, 30680),

Gene: Kiko_42 Start: 32442, Stop: 32807, Start Num: 3
Candidate Starts for Kiko_42:
(Start: 3 @32442 has 3 MA's), (6, 32448), (7, 32454), (8, 32499), (10, 32571), (14, 32670),

Gene: Manilisa_39 Start: 31443, Stop: 31712, Start Num: 9
Candidate Starts for Manilisa_39:
(2, 31281), (Start: 3 @31350 has 3 MA's), (7, 31365), (Start: 9 @31443 has 1 MA's), (10, 31494), (11, 31521), (12, 31533), (13, 31545), (15, 31602),

Gene: Meyran_36 Start: 31276, Stop: 31632, Start Num: 5
Candidate Starts for Meyran_36:
(1, 31189), (4, 31273), (Start: 5 @31276 has 1 MA's), (7, 31285), (Start: 9 @31363 has 1 MA's), (10, 31414), (11, 31441), (12, 31453), (13, 31465), (15, 31522), (16, 31549),

Gene: Nyceirae_40 Start: 31180, Stop: 31443, Start Num: 9
Candidate Starts for Nyceirae_40:

(Start: 3 @31090 has 3 MA's), (7, 31102), (Start: 9 @31180 has 1 MA's), (10, 31228), (11, 31255), (12, 31267), (15, 31336), (17, 31384),

Gene: Phishy_40 Start: 32258, Stop: 32617, Start Num: 3
Candidate Starts for Phishy_40:
(Start: 3 @32258 has 3 MA's), (7, 32273), (Start: 9 @32351 has 1 MA's), (10, 32402), (11, 32429), (12, 32441), (15, 32510),

Gene: Vordorf_37 Start: 30638, Stop: 30907, Start Num: 9
Candidate Starts for Vordorf_37:
(1, 30464), (4, 30548), (Start: 5 @30551 has 1 MA's), (7, 30560), (Start: 9 @30638 has 1 MA's), (10, 30689), (11, 30716), (12, 30728), (13, 30740), (15, 30797),