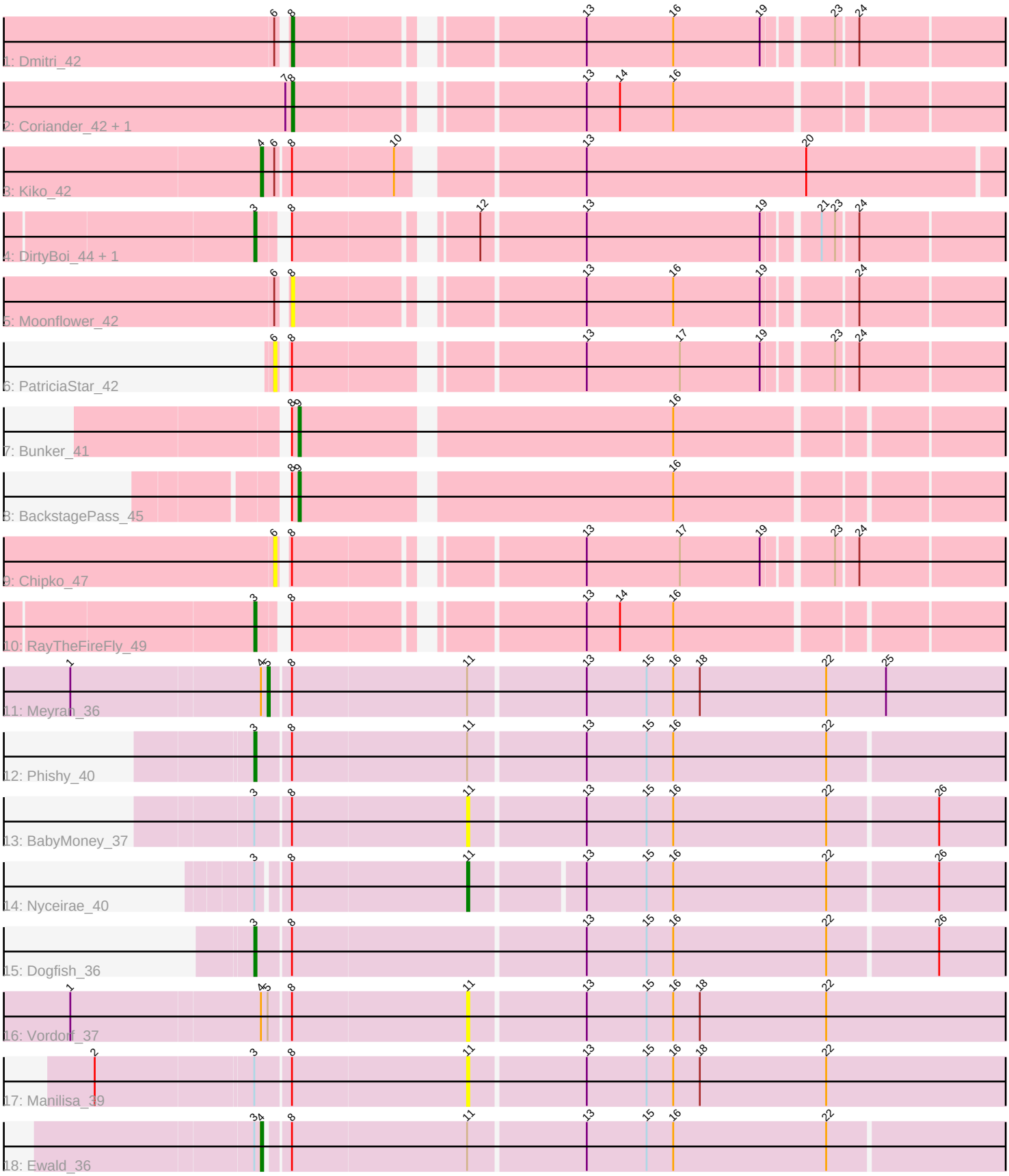
Pham 346179


1: Dmitri_42
2: Coriander_42 + 1
3: Kiko_42
4: DirtyBoi_44 + 1
5: Moonflower_42
6: PatriciaStar_42
7: Bunker_41
8: BackstagePass_45
9: Chipko_47
10: RayTheFireFly_49
11: Meyrah_36
12: Phishy_40
13: BabyMoney_37
14: Nyceirae_40
15: Dogfish_36
16: Vordorf_37
17: Manilisa_39
18: Ewald_36

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 346179 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346179 has 20 members, 6 are drafts.

Phages represented in each track:
- Track 1 : Dmitri_42
- Track 2 : Coriander_42, Doggs_39
- Track 3 : Kiko_42
- Track 4 : DirtyBoi_44, Hedwig_45
- Track 5 : Moonflower_42
- Track 6 : PatriciaStar_42
- Track 7 : Bunker_41
- Track 8 : BackstagePass_45
- Track 9 : Chipko_47
- Track 10 : RayTheFireFly_49
- Track 11 : Meyran_36
- Track 12 : Phishy_40
- Track 13 : BabyMoney_37
- Track 14 : Nyceirae_40
- Track 15 : Dogfish_36
- Track 16 : Vordorf_37
- Track 17 : Manilisa_39
- Track 18 : Ewald_36

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 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- DirtyBoi_44, Dogfish_36, Hedwig_45, Phishy_40, RayTheFireFly_49,

Genes that have the "Most Annotated" start but do not call it:
- BabyMoney_37, Ewald_36, Manilisa_39, Nyceirae_40,

Genes that do not have the "Most Annotated" start:
- BackstagePass_45, Bunker_41, Chipko_47, Coriander_42, Dmitri_42, Doggs_39, Kiko_42, Meyran_36, Moonflower_42, PatriciaStar_42, Vordorf_37,

Summary by start number:

Start 3:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 55.6% of time when present
• Phage (with cluster) where this start called: DirtyBoi_44 (DB), Dogfish_36 (DT), Hedwig_45 (DB), Phishy_40 (DT), RayTheFireFly_49 (DB),

Start 4:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ewald_36 (DT), Kiko_42 (DB),

Start 5:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Meyran_36 (DT),

Start 6:
• Found in 5 of 20 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Chipko_47 (DB), PatriciaStar_42 (DB),

Start 8:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Coriander_42 (DB), Dmitri_42 (DB), Doggs_39 (DB), Moonflower_42 (DB),

Start 9:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_45 (DB), Bunker_41 (DB),

Start 11:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 57.1% 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 3 times for cluster DB.
•Start number 4 was manually annotated 1 time for cluster DB.
•Start number 8 was manually annotated 3 times for cluster DB.
•Start number 9 was manually annotated 2 times for cluster DB.

Info for manual annotations of cluster DT:
•Start number 3 was manually annotated 2 times for cluster DT.
•Start number 4 was manually annotated 1 time for cluster DT.
•Start number 5 was manually annotated 1 time for cluster DT.
•Start number 11 was manually annotated 1 time for cluster DT.

Gene Information:

Gene: BabyMoney_37 Start: 31044, Stop: 31310, Start Num: 11
Candidate Starts for BabyMoney_37:
(Start: 3 @30951 has 5 MA's), (Start: 8 @30966 has 3 MA's), (Start: 11 @31044 has 1 MA's), (13, 31095), (15, 31122), (16, 31134), (22, 31203), (26, 31251),

Gene: BackstagePass_45 Start: 34036, Stop: 33737, Start Num: 9
Candidate Starts for BackstagePass_45:
(Start: 8 @34039 has 3 MA's), (Start: 9 @34036 has 2 MA's), (16, 33877),

Gene: Bunker_41 Start: 32653, Stop: 32952, Start Num: 9
Candidate Starts for Bunker_41:
(Start: 8 @32650 has 3 MA's), (Start: 9 @32653 has 2 MA's), (16, 32812),

Gene: Chipko_47 Start: 34547, Stop: 34843, Start Num: 6
Candidate Starts for Chipko_47:
(6, 34547), (Start: 8 @34550 has 3 MA's), (13, 34664), (17, 34706), (19, 34742), (23, 34769), (24, 34778),

Gene: Coriander_42 Start: 32126, Stop: 32419, Start Num: 8
Candidate Starts for Coriander_42:
(7, 32123), (Start: 8 @32126 has 3 MA's), (13, 32240), (14, 32255), (16, 32279),

Gene: DirtyBoi_44 Start: 32162, Stop: 32464, Start Num: 3
Candidate Starts for DirtyBoi_44:
(Start: 3 @32162 has 5 MA's), (Start: 8 @32171 has 3 MA's), (12, 32240), (13, 32285), (19, 32363), (21, 32384), (23, 32390), (24, 32399),

Gene: Dmitri_42 Start: 33710, Stop: 34003, Start Num: 8
Candidate Starts for Dmitri_42:
(6, 33707), (Start: 8 @33710 has 3 MA's), (13, 33824), (16, 33863), (19, 33902), (23, 33929), (24, 33938),

Gene: Dogfish_36 Start: 30380, Stop: 30739, Start Num: 3
Candidate Starts for Dogfish_36:
(Start: 3 @30380 has 5 MA's), (Start: 8 @30395 has 3 MA's), (13, 30524), (15, 30551), (16, 30563), (22, 30632), (26, 30680),

Gene: Doggs_39 Start: 32855, Stop: 33148, Start Num: 8

Candidate Starts for Doggs_39:
(7, 32852), (Start: 8 @32855 has 3 MA's), (13, 32969), (14, 32984), (16, 33008),

Gene: Ewald_36 Start: 30203, Stop: 30556, Start Num: 4
Candidate Starts for Ewald_36:
(Start: 3 @30200 has 5 MA's), (Start: 4 @30203 has 2 MA's), (Start: 8 @30212 has 3 MA's), (Start: 11 @30290 has 1 MA's), (13, 30341), (15, 30368), (16, 30380), (22, 30449),

Gene: Hedwig_45 Start: 32585, Stop: 32887, Start Num: 3
Candidate Starts for Hedwig_45:
(Start: 3 @32585 has 5 MA's), (Start: 8 @32594 has 3 MA's), (12, 32663), (13, 32708), (19, 32786), (21, 32807), (23, 32813), (24, 32822),

Gene: Kiko_42 Start: 32442, Stop: 32807, Start Num: 4
Candidate Starts for Kiko_42:
(Start: 4 @32442 has 2 MA's), (6, 32448), (Start: 8 @32454 has 3 MA's), (10, 32499), (13, 32571), (20, 32670),

Gene: Manilisa_39 Start: 31443, Stop: 31712, Start Num: 11
Candidate Starts for Manilisa_39:
(2, 31281), (Start: 3 @31350 has 5 MA's), (Start: 8 @31365 has 3 MA's), (Start: 11 @31443 has 1 MA's), (13, 31494), (15, 31521), (16, 31533), (18, 31545), (22, 31602),

Gene: Meyran_36 Start: 31276, Stop: 31632, Start Num: 5
Candidate Starts for Meyran_36:
(1, 31189), (Start: 4 @31273 has 2 MA's), (Start: 5 @31276 has 1 MA's), (Start: 8 @31285 has 3 MA's), (Start: 11 @31363 has 1 MA's), (13, 31414), (15, 31441), (16, 31453), (18, 31465), (22, 31522), (25, 31549),

Gene: Moonflower_42 Start: 33573, Stop: 33866, Start Num: 8
Candidate Starts for Moonflower_42:
(6, 33570), (Start: 8 @33573 has 3 MA's), (13, 33687), (16, 33726), (19, 33765), (24, 33801),

Gene: Nyceirae_40 Start: 31180, Stop: 31443, Start Num: 11
Candidate Starts for Nyceirae_40:
(Start: 3 @31090 has 5 MA's), (Start: 8 @31102 has 3 MA's), (Start: 11 @31180 has 1 MA's), (13, 31228), (15, 31255), (16, 31267), (22, 31336), (26, 31384),

Gene: PatriciaStar_42 Start: 33346, Stop: 33645, Start Num: 6
Candidate Starts for PatriciaStar_42:
(6, 33346), (Start: 8 @33349 has 3 MA's), (13, 33466), (17, 33508), (19, 33544), (23, 33571), (24, 33580),

Gene: Phishy_40 Start: 32258, Stop: 32617, Start Num: 3
Candidate Starts for Phishy_40:
(Start: 3 @32258 has 5 MA's), (Start: 8 @32273 has 3 MA's), (Start: 11 @32351 has 1 MA's), (13, 32402), (15, 32429), (16, 32441), (22, 32510),

Gene: RayTheFireFly_49 Start: 33759, Stop: 34061, Start Num: 3
Candidate Starts for RayTheFireFly_49:
(Start: 3 @33759 has 5 MA's), (Start: 8 @33768 has 3 MA's), (13, 33882), (14, 33897), (16, 33921),

Gene: Vordorf_37 Start: 30638, Stop: 30907, Start Num: 11

Candidate Starts for Vordorf_37:
(1, 30464), (Start: 4 @30548 has 2 MA's), (Start: 5 @30551 has 1 MA's), (Start: 8 @30560 has 3 MA's), (Start: 11 @30638 has 1 MA's), (13, 30689), (15, 30716), (16, 30728), (18, 30740), (22, 30797),