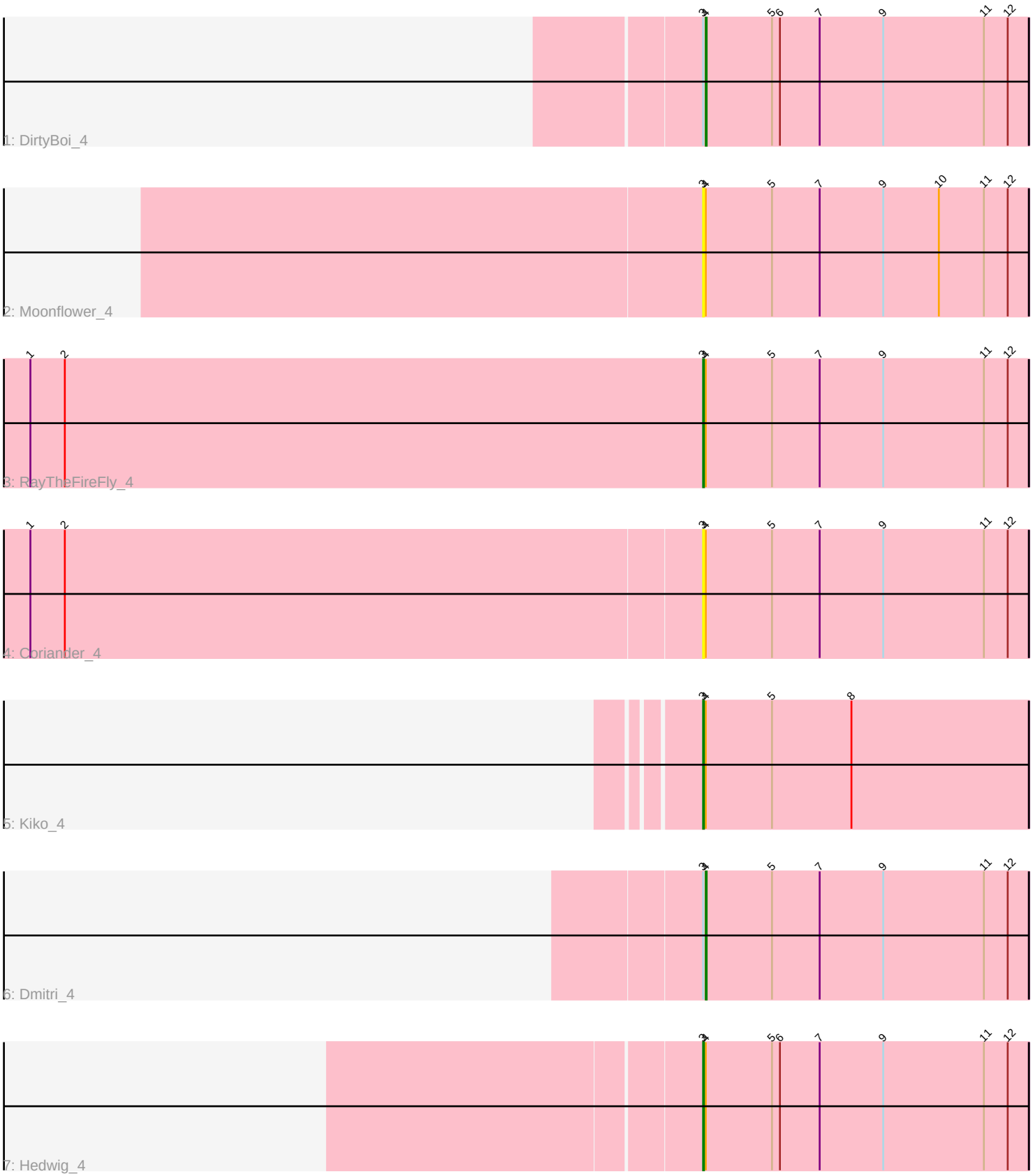
Pham 220437


3
5 6
7
9
11
12
1: DirtyBoi_4
3
5
7
9
10
11
12
2: Moonflower_4
1
2
3
5
7
9
11
12
3: RayTheFireFly_4
1
2
3
5
7
9
11
12
4: Coriander_4
3
5
8
5: Kiko_4
3
5
7
9
11
12
6: Dmitri_4
3
5 6
7
9
11
12
7: Hedwig_4

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 220437 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220437 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DirtyBoi_4
• Track 2 : Moonflower_4
• Track 3 : RayTheFireFly_4
• Track 4 : Coriander_4
• Track 5 : Kiko_4
• Track 6 : Dmitri_4
• Track 7 : Hedwig_4

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:
• Coriander_4, Hedwig_4, Kiko_4, Moonflower_4, RayTheFireFly_4,

Genes that have the "Most Annotated" start but do not call it:
• DirtyBoi_4, Dmitri_4,

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

Summary by start number:

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Coriander_4 (DB), Hedwig_4 (DB), Kiko_4 (DB), Moonflower_4 (DB), RayTheFireFly_4 (DB),

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5

• Called 28.6% of time when present
• Phage (with cluster) where this start called: DirtyBoi_4 (DB), Dmitri_4 (DB),

Summary by clusters:

There is one cluster represented in this pham: 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 2 times for cluster DB.

Gene Information:

Gene: Coriander_4 Start: 3569, Stop: 3937, Start Num: 3
Candidate Starts for Coriander_4:
(1, 2813), (2, 2852), (Start: 3 @3569 has 3 MA's), (Start: 4 @3572 has 2 MA's), (5, 3647), (7, 3701), (9, 3773), (11, 3887), (12, 3914),

Gene: DirtyBoi_4 Start: 3575, Stop: 3940, Start Num: 4
Candidate Starts for DirtyBoi_4:
(Start: 3 @3572 has 3 MA's), (Start: 4 @3575 has 2 MA's), (5, 3650), (6, 3659), (7, 3704), (9, 3776), (11, 3890), (12, 3917),

Gene: Dmitri_4 Start: 3575, Stop: 3940, Start Num: 4
Candidate Starts for Dmitri_4:
(Start: 3 @3572 has 3 MA's), (Start: 4 @3575 has 2 MA's), (5, 3650), (7, 3704), (9, 3776), (11, 3890), (12, 3917),

Gene: Hedwig_4 Start: 3569, Stop: 3937, Start Num: 3
Candidate Starts for Hedwig_4:
(Start: 3 @3569 has 3 MA's), (Start: 4 @3572 has 2 MA's), (5, 3647), (6, 3656), (7, 3701), (9, 3773), (11, 3887), (12, 3914),

Gene: Kiko_4 Start: 3441, Stop: 3809, Start Num: 3
Candidate Starts for Kiko_4:
(Start: 3 @3441 has 3 MA's), (Start: 4 @3444 has 2 MA's), (5, 3519), (8, 3609),

Gene: Moonflower_4 Start: 3574, Stop: 3942, Start Num: 3
Candidate Starts for Moonflower_4:
(Start: 3 @3574 has 3 MA's), (Start: 4 @3577 has 2 MA's), (5, 3652), (7, 3706), (9, 3778), (10, 3841), (11, 3892), (12, 3919),

Gene: RayTheFireFly_4 Start: 3578, Stop: 3946, Start Num: 3
Candidate Starts for RayTheFireFly_4:
(1, 2816), (2, 2855), (Start: 3 @3578 has 3 MA's), (Start: 4 @3581 has 2 MA's), (5, 3656), (7, 3710), (9, 3782), (11, 3896), (12, 3923),