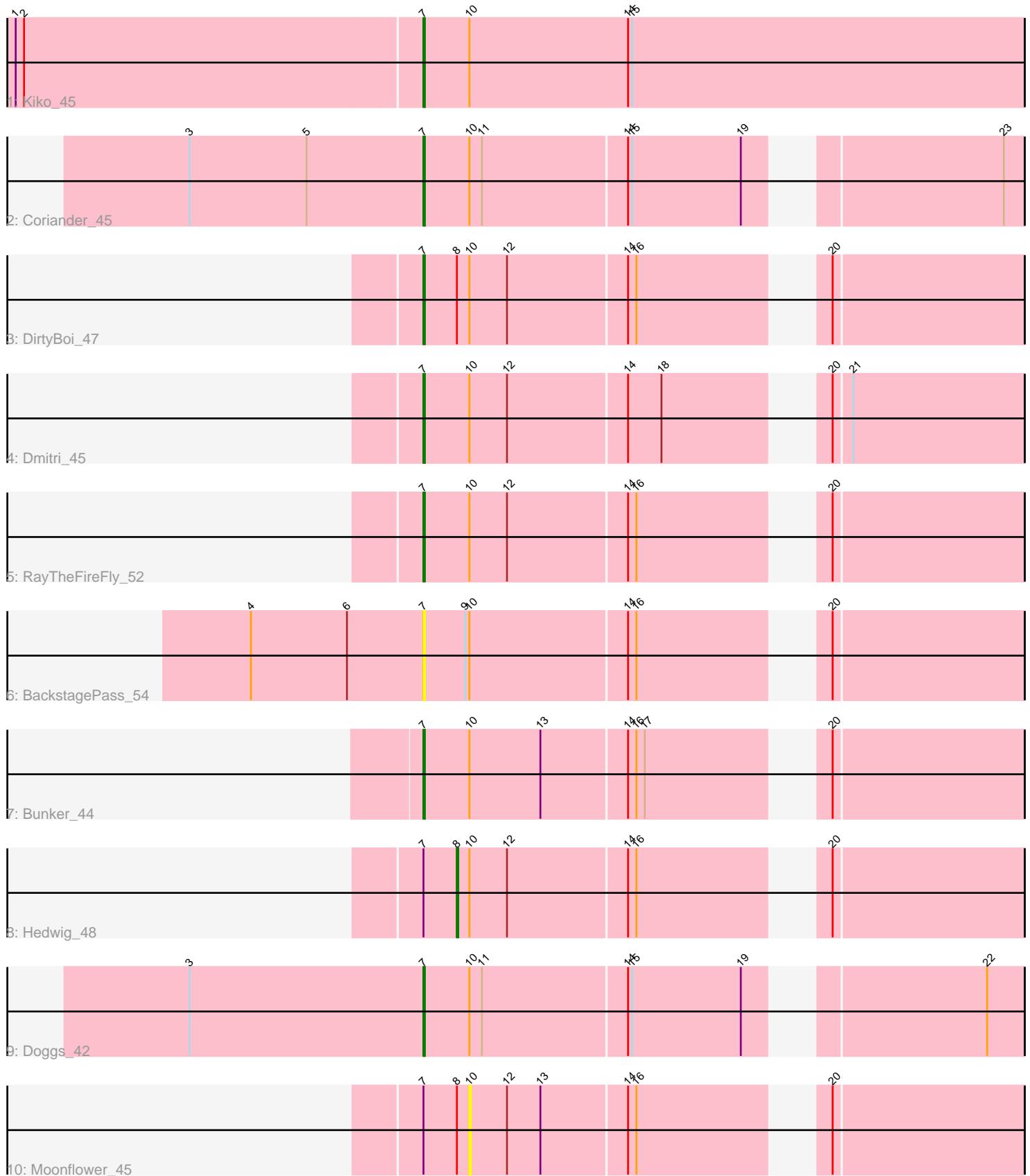# Pham 281135

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 281135 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281135 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kiko_45
• Track 2 : Coriander_45
• Track 3 : DirtyBoi_47
• Track 4 : Dmitri_45
• Track 5 : RayTheFireFly_52
• Track 6 : BackstagePass_54
• Track 7 : Bunker_44
• Track 8 : Hedwig_48
• Track 9 : Doggs_42
• Track 10 : Moonflower_45

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BackstagePass_54, Bunker_44, Coriander_45, DirtyBoi_47, Dmitri_45, Doggs_42, Kiko_45, RayTheFireFly_52,

Genes that have the "Most Annotated" start but do not call it:
• Hedwig_48, Moonflower_45,

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

Summary by start number:

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_54 (DB), Bunker_44 (DB), Coriander_45 (DB), DirtyBoi_47 (DB), Dmitri_45 (DB), Doggs_42 (DB), Kiko_45

(DB), RayTheFireFly_52 (DB),

Start 8:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Hedwig_48 (DB),

Start 10:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Moonflower_45 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:
•Start number 7 was manually annotated 7 times for cluster DB.
•Start number 8 was manually annotated 1 time for cluster DB.

Gene Information:
Gene: BackstagePass_54 Start: 35033, Stop: 35422, Start Num: 7
Candidate Starts for BackstagePass_54:
(4, 34910), (6, 34979), (Start: 7 @35033 has 7 MA's), (9, 35063), (10, 35066), (14, 35177), (16, 35183), (20, 35288),

Gene: Bunker_44 Start: 33977, Stop: 34366, Start Num: 7
Candidate Starts for Bunker_44:
(Start: 7 @33977 has 7 MA's), (10, 34010), (13, 34061), (14, 34121), (16, 34127), (17, 34133), (20, 34232),

Gene: Coriander_45 Start: 33477, Stop: 33866, Start Num: 7
Candidate Starts for Coriander_45:
(3, 33309), (5, 33393), (Start: 7 @33477 has 7 MA's), (10, 33510), (11, 33519), (14, 33621), (15, 33624), (19, 33702), (23, 33852),

Gene: DirtyBoi_47 Start: 33515, Stop: 33904, Start Num: 7
Candidate Starts for DirtyBoi_47:
(Start: 7 @33515 has 7 MA's), (Start: 8 @33539 has 1 MA's), (10, 33548), (12, 33575), (14, 33659), (16, 33665), (20, 33770),

Gene: Dmitri_45 Start: 35048, Stop: 35437, Start Num: 7
Candidate Starts for Dmitri_45:
(Start: 7 @35048 has 7 MA's), (10, 35081), (12, 35108), (14, 35192), (18, 35216), (20, 35303), (21, 35315),

Gene: Doggs_42 Start: 34204, Stop: 34593, Start Num: 7
Candidate Starts for Doggs_42:

(3, 34036), (Start: 7 @34204 has 7 MA's), (10, 34237), (11, 34246), (14, 34348), (15, 34351), (19, 34429), (22, 34567),

Gene: Hedwig_48 Start: 33963, Stop: 34328, Start Num: 8
Candidate Starts for Hedwig_48:
(Start: 7 @33939 has 7 MA's), (Start: 8 @33963 has 1 MA's), (10, 33972), (12, 33999), (14, 34083), (16, 34089), (20, 34194),

Gene: Kiko_45 Start: 33830, Stop: 34261, Start Num: 7
Candidate Starts for Kiko_45:
(1, 33542), (2, 33548), (Start: 7 @33830 has 7 MA's), (10, 33863), (14, 33977), (15, 33980),

Gene: Moonflower_45 Start: 34939, Stop: 35295, Start Num: 10
Candidate Starts for Moonflower_45:
(Start: 7 @34906 has 7 MA's), (Start: 8 @34930 has 1 MA's), (10, 34939), (12, 34966), (13, 34990), (14, 35050), (16, 35056), (20, 35161),

Gene: RayTheFireFly_52 Start: 35103, Stop: 35492, Start Num: 7
Candidate Starts for RayTheFireFly_52:
(Start: 7 @35103 has 7 MA's), (10, 35136), (12, 35163), (14, 35247), (16, 35253), (20, 35358),