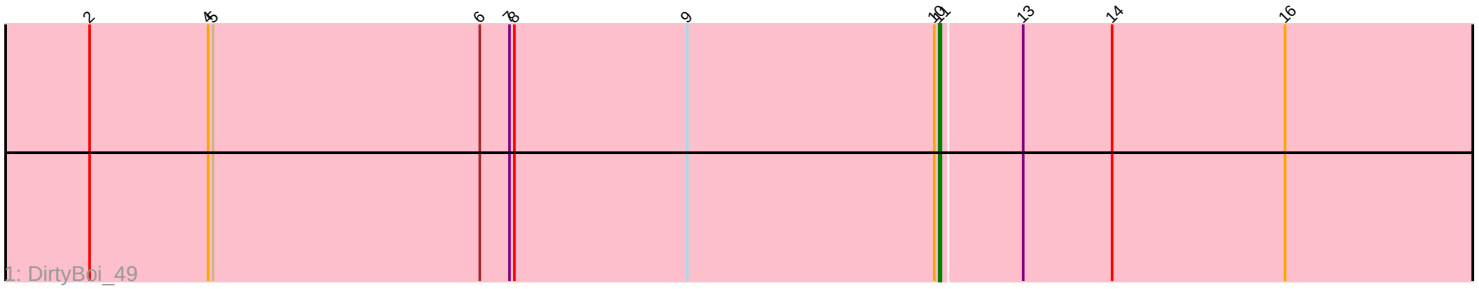
Pham 203793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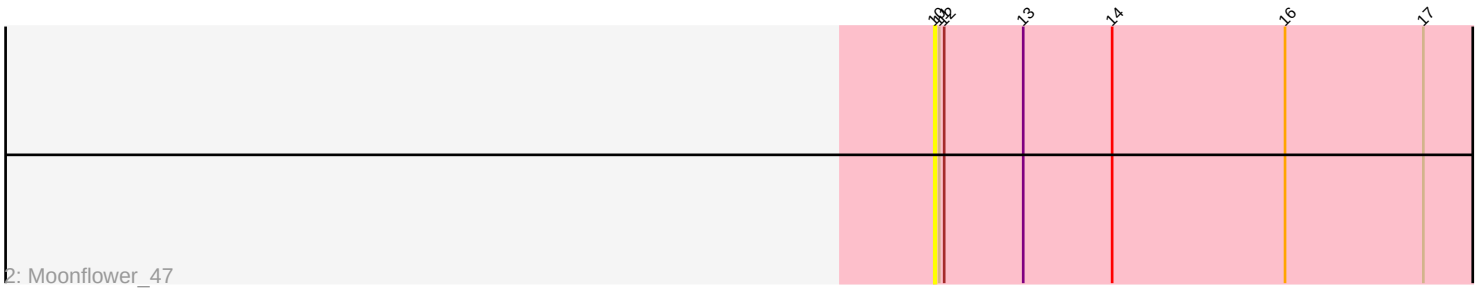
16
1: DirtyBoi_49


10
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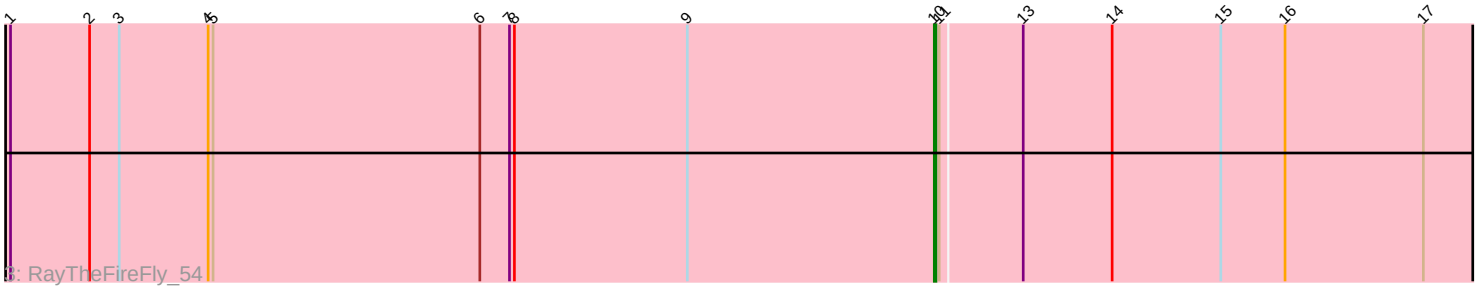
2: Moonflower_47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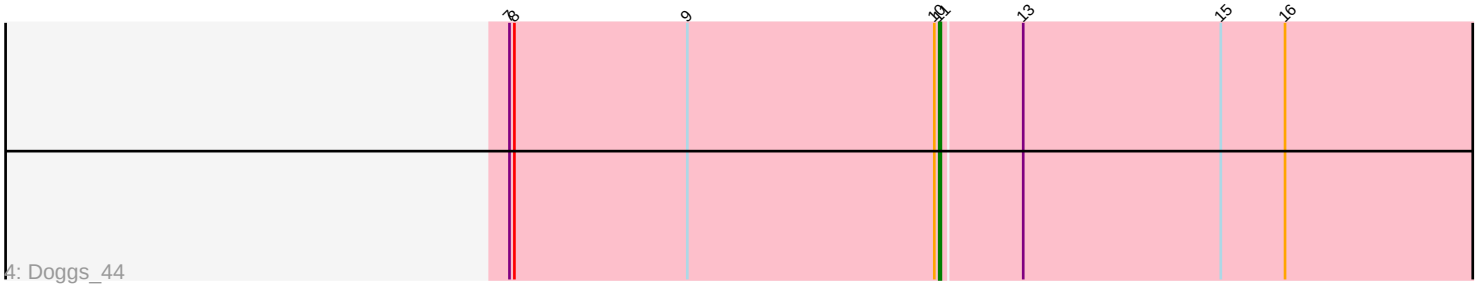
3: RayTheFireFly_54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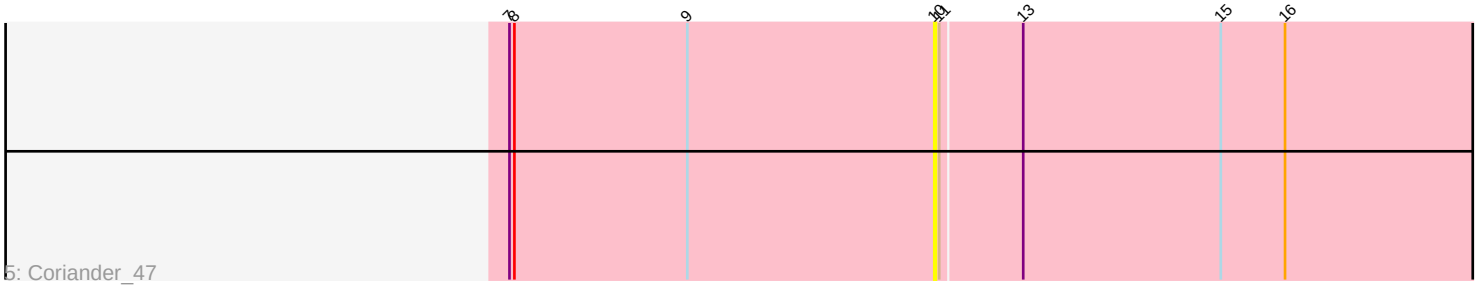
4: Doggs_44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5: Coriander_47

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 203793 Report

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

Pham number 203793 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DirtyBoi_49
• Track 2 : Moonflower_47
• Track 3 : RayTheFireFly_54
• Track 4 : Doggs_44
• Track 5 : Coriander_47

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DirtyBoi_49, Doggs_44,

Genes that have the "Most Annotated" start but do not call it:
• Coriander_47, Moonflower_47, RayTheFireFly_54,

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

Summary by start number:

Start 10:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Coriander_47 (DB), Moonflower_47 (DB), RayTheFireFly_54 (DB),

Start 11:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 40.0% of time when present
• Phage (with cluster) where this start called: DirtyBoi_49 (DB), Doggs_44 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:
•Start number 10 was manually annotated 1 time for cluster DB.
•Start number 11 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: Coriander_47 Start: 34195, Stop: 34536, Start Num: 10
Candidate Starts for Coriander_47:
(7, 33937), (8, 33940), (9, 34045), (Start: 10 @34195 has 1 MA's), (Start: 11 @34198 has 2 MA's), (13, 34246), (15, 34366), (16, 34405),

Gene: DirtyBoi_49 Start: 34236, Stop: 34574, Start Num: 11
Candidate Starts for DirtyBoi_49:
(2, 33720), (4, 33792), (5, 33795), (6, 33957), (7, 33975), (8, 33978), (9, 34083), (Start: 10 @34233 has 1 MA's), (Start: 11 @34236 has 2 MA's), (13, 34284), (14, 34338), (16, 34443),

Gene: Doggs_44 Start: 34926, Stop: 35264, Start Num: 11
Candidate Starts for Doggs_44:
(7, 34665), (8, 34668), (9, 34773), (Start: 10 @34923 has 1 MA's), (Start: 11 @34926 has 2 MA's), (13, 34974), (15, 35094), (16, 35133),

Gene: Moonflower_47 Start: 35624, Stop: 35968, Start Num: 10
Candidate Starts for Moonflower_47:
(Start: 10 @35624 has 1 MA's), (Start: 11 @35627 has 2 MA's), (12, 35630), (13, 35678), (14, 35732), (16, 35837), (17, 35921),

Gene: RayTheFireFly_54 Start: 35821, Stop: 36162, Start Num: 10
Candidate Starts for RayTheFireFly_54:
(1, 35260), (2, 35308), (3, 35326), (4, 35380), (5, 35383), (6, 35545), (7, 35563), (8, 35566), (9, 35671), (Start: 10 @35821 has 1 MA's), (Start: 11 @35824 has 2 MA's), (13, 35872), (14, 35926), (15, 35992), (16, 36031), (17, 36115),