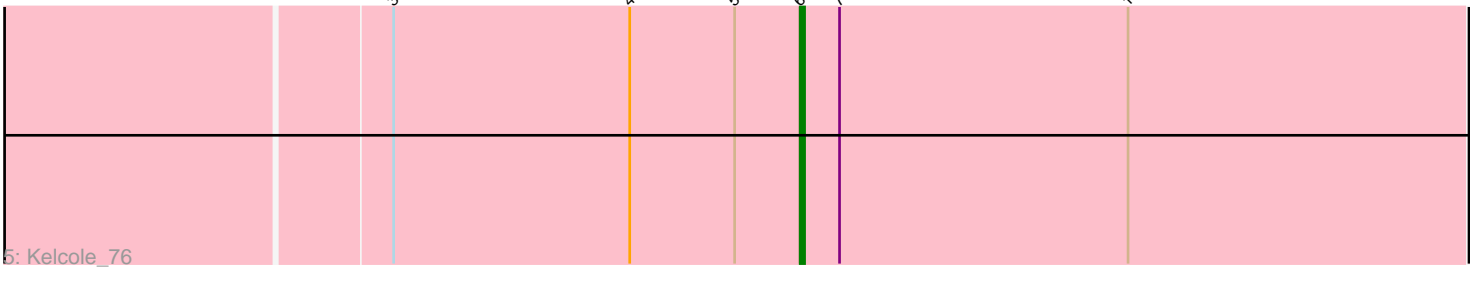
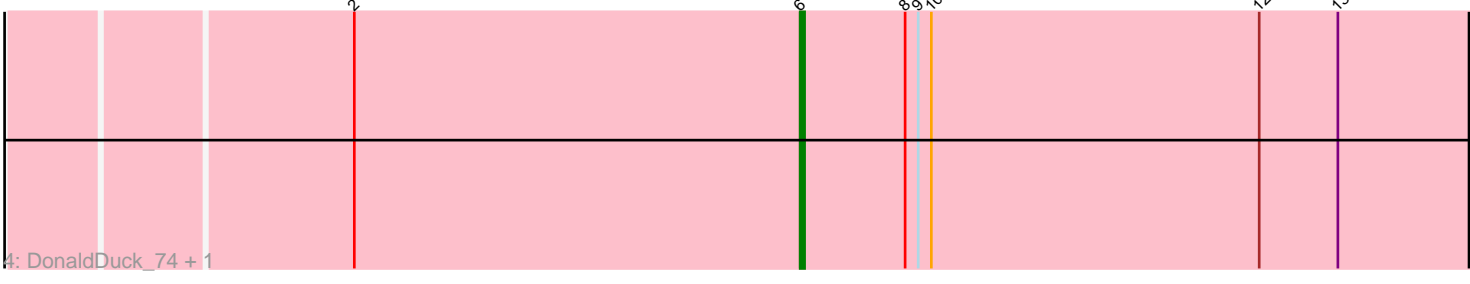
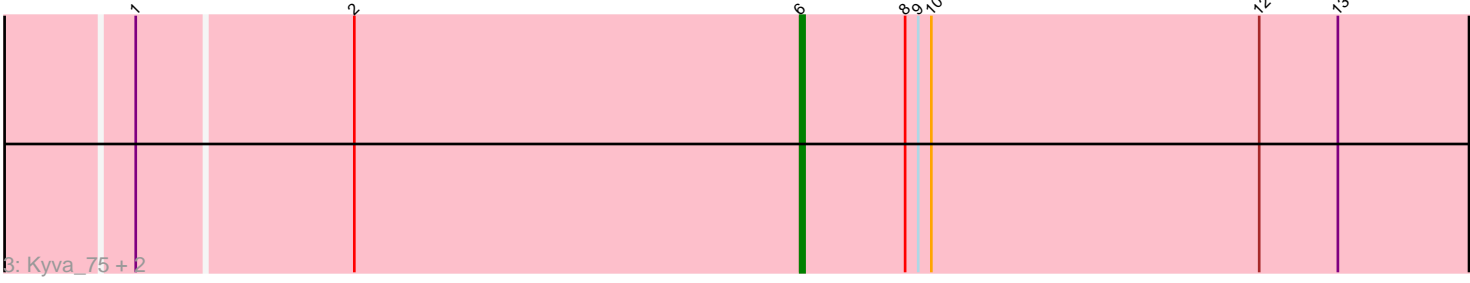
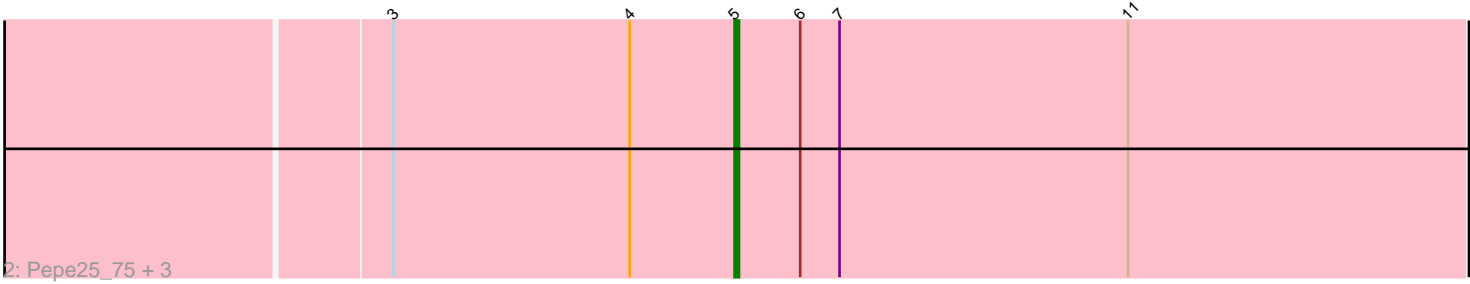
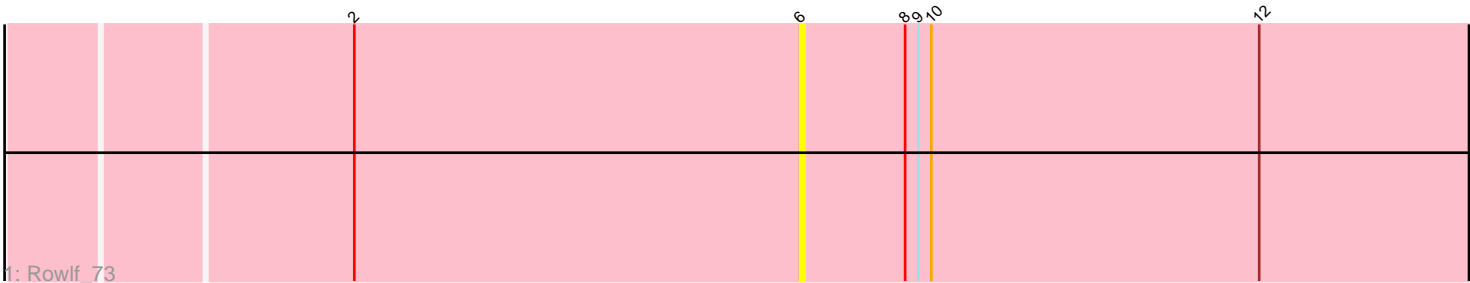


Pham 158333



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 158333 Report

This analysis was run 04/28/24 on database version 559.

Pham number 158333 has 11 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Rowlf_73
- Track 2 : Pepe25_75, BirdInFrench_77, Romm_79, Wilca_77
- Track 3 : Kyva_75, Grassboy_76, Tissue_72
- Track 4 : DonaldDuck_74, Wheelie_72
- Track 5 : Kelcole_76

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonaldDuck_74, Grassboy_76, Kelcole_76, Kyva_75, Rowlf_73, Tissue_72, Wheelie_72,

Genes that have the "Most Annotated" start but do not call it:

- BirdInFrench_77, Pepe25_75, Romm_79, Wilca_77,

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

-

Summary by start number:

Start 5:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_77 (EG), Pepe25_75 (EG), Romm_79 (EG), Wilca_77 (EG),

Start 6:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 63.6% of time when present

- Phage (with cluster) where this start called: DonaldDuck_74 (EG), Grassboy_76 (EG), Kelcole_76 (EG), Kyva_75 (EG), Rowlf_73 (EG), Tissue_72 (EG), Wheelie_72 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 5 was manually annotated 1 time for cluster EG.
- Start number 6 was manually annotated 3 times for cluster EG.

Gene Information:

Gene: BirdInFrench_77 Start: 50595, Stop: 50395, Start Num: 5

Candidate Starts for BirdInFrench_77:

(3, 50673), (4, 50619), (Start: 5 @50595 has 1 MA's), (Start: 6 @50580 has 3 MA's), (7, 50571), (11, 50505),

Gene: DonaldDuck_74 Start: 49925, Stop: 49755, Start Num: 6

Candidate Starts for DonaldDuck_74:

(2, 50027), (Start: 6 @49925 has 3 MA's), (8, 49901), (9, 49898), (10, 49895), (12, 49820), (13, 49802),

Gene: Grassboy_76 Start: 50705, Stop: 50535, Start Num: 6

Candidate Starts for Grassboy_76:

(1, 50855), (2, 50807), (Start: 6 @50705 has 3 MA's), (8, 50681), (9, 50678), (10, 50675), (12, 50600), (13, 50582),

Gene: Kelcole_76 Start: 50518, Stop: 50333, Start Num: 6

Candidate Starts for Kelcole_76:

(3, 50611), (4, 50557), (Start: 5 @50533 has 1 MA's), (Start: 6 @50518 has 3 MA's), (7, 50509), (11, 50443),

Gene: Kyva_75 Start: 50729, Stop: 50559, Start Num: 6

Candidate Starts for Kyva_75:

(1, 50879), (2, 50831), (Start: 6 @50729 has 3 MA's), (8, 50705), (9, 50702), (10, 50699), (12, 50624), (13, 50606),

Gene: Pepe25_75 Start: 49514, Stop: 49314, Start Num: 5

Candidate Starts for Pepe25_75:

(3, 49592), (4, 49538), (Start: 5 @49514 has 1 MA's), (Start: 6 @49499 has 3 MA's), (7, 49490), (11, 49424),

Gene: Romm_79 Start: 50714, Stop: 50514, Start Num: 5

Candidate Starts for Romm_79:

(3, 50792), (4, 50738), (Start: 5 @50714 has 1 MA's), (Start: 6 @50699 has 3 MA's), (7, 50690), (11, 50624),

Gene: Rowlf_73 Start: 49942, Stop: 49772, Start Num: 6

Candidate Starts for Rowlf_73:

(2, 50044), (Start: 6 @49942 has 3 MA's), (8, 49918), (9, 49915), (10, 49912), (12, 49837),

Gene: Tissue_72 Start: 50336, Stop: 50166, Start Num: 6

Candidate Starts for Tissue_72:

(1, 50486), (2, 50438), (Start: 6 @50336 has 3 MA's), (8, 50312), (9, 50309), (10, 50306), (12, 50231), (13, 50213),

Gene: Wheelie_72 Start: 49925, Stop: 49755, Start Num: 6

Candidate Starts for Wheelie_72:

(2, 50027), (Start: 6 @49925 has 3 MA's), (8, 49901), (9, 49898), (10, 49895), (12, 49820), (13, 49802),

Gene: Wilca_77 Start: 50595, Stop: 50395, Start Num: 5

Candidate Starts for Wilca_77:

(3, 50673), (4, 50619), (Start: 5 @50595 has 1 MA's), (Start: 6 @50580 has 3 MA's), (7, 50571), (11, 50505),