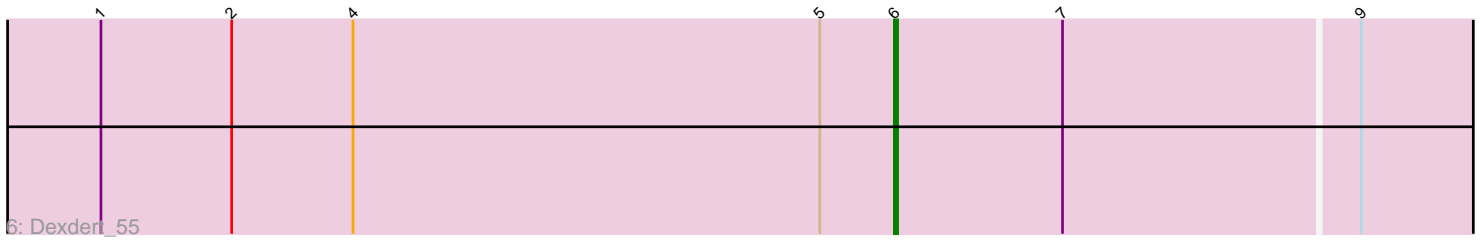
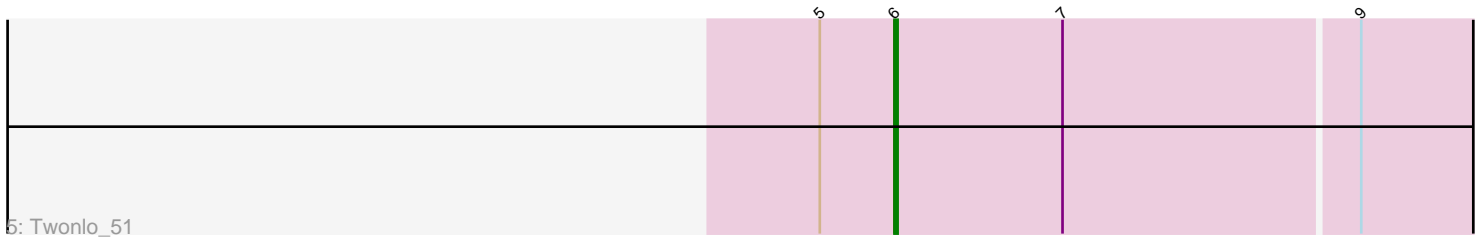
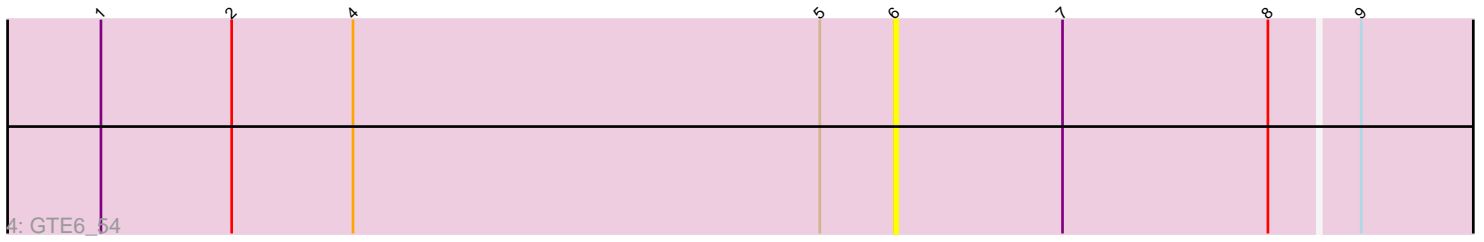
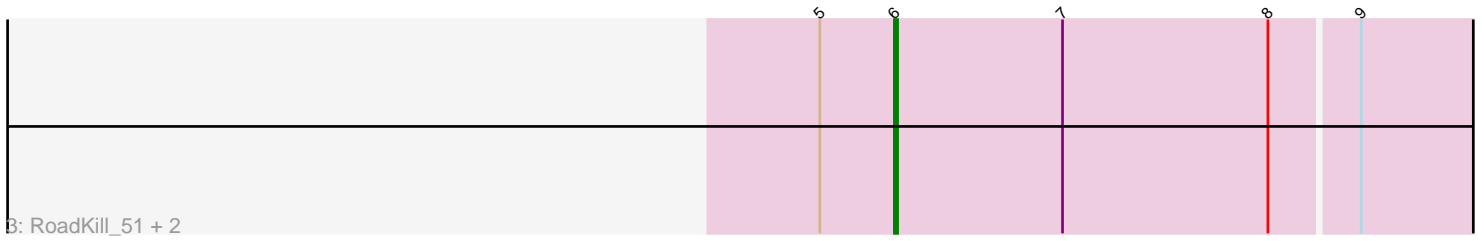
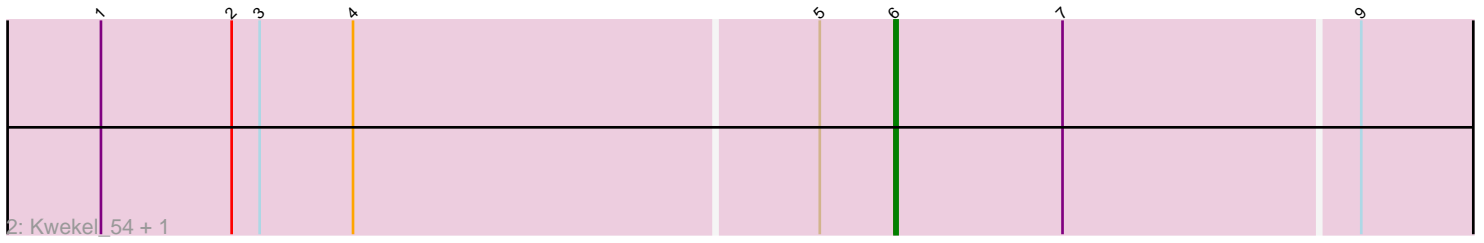
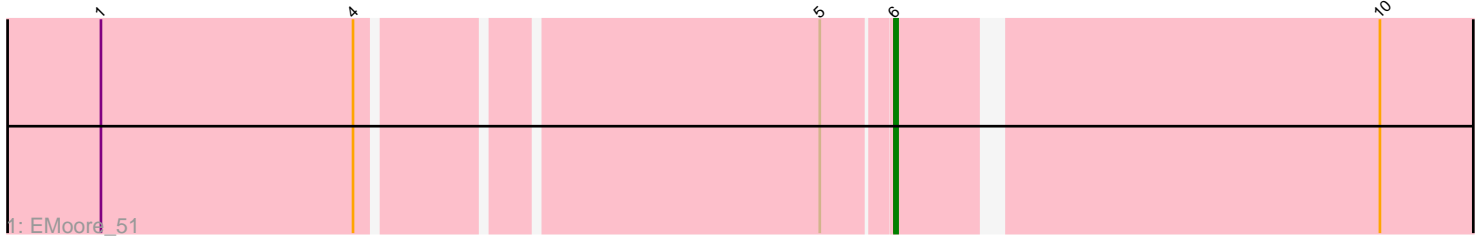


Pham 158399



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 158399 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158399 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : EMoore_51
- Track 2 : Kwekel_54, Chickadee_54
- Track 3 : RoadKill_51, Tiamoceli_54, EdmundFerry_52
- Track 4 : GTE6_54
- Track 5 : Twonlo_51
- Track 6 : Dexdert_55

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chickadee_54, Dexdert_55, EMoore_51, EdmundFerry_52, GTE6_54, Kwekel_54, RoadKill_51, Tiamoceli_54, Twonlo_51,

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

-

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

-

Summary by start number:

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chickadee_54 (DE3), Dexdert_55 (DE3), EMoore_51 (DE2), EdmundFerry_52 (DE3), GTE6_54 (DE3), Kwekel_54 (DE3), RoadKill_51 (DE3), Tiamoceli_54 (DE3), Twonlo_51 (DE3),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DE3,

Info for manual annotations of cluster DE2:

•Start number 6 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DE3:

•Start number 6 was manually annotated 6 times for cluster DE3.

Gene Information:

Gene: Chickadee_54 Start: 42618, Stop: 42839, Start Num: 6

Candidate Starts for Chickadee_54:

(1, 42366), (2, 42408), (3, 42417), (4, 42447), (5, 42594), (Start: 6 @42618 has 7 MA's), (7, 42672), (9, 42765),

Gene: Dextert_55 Start: 42922, Stop: 43143, Start Num: 6

Candidate Starts for Dextert_55:

(1, 42667), (2, 42709), (4, 42748), (5, 42898), (Start: 6 @42922 has 7 MA's), (7, 42976), (9, 43069),

Gene: EMoore_51 Start: 45247, Stop: 45498, Start Num: 6

Candidate Starts for EMoore_51:

(1, 45007), (4, 45088), (5, 45226), (Start: 6 @45247 has 7 MA's), (10, 45394),

Gene: EdmundFerry_52 Start: 42582, Stop: 42803, Start Num: 6

Candidate Starts for EdmundFerry_52:

(5, 42558), (Start: 6 @42582 has 7 MA's), (7, 42636), (8, 42702), (9, 42729),

Gene: GTE6_54 Start: 43173, Stop: 43394, Start Num: 6

Candidate Starts for GTE6_54:

(1, 42918), (2, 42960), (4, 42999), (5, 43149), (Start: 6 @43173 has 7 MA's), (7, 43227), (8, 43293), (9, 43320),

Gene: Kwekel_54 Start: 42531, Stop: 42752, Start Num: 6

Candidate Starts for Kwekel_54:

(1, 42279), (2, 42321), (3, 42330), (4, 42360), (5, 42507), (Start: 6 @42531 has 7 MA's), (7, 42585), (9, 42678),

Gene: RoadKill_51 Start: 42080, Stop: 42301, Start Num: 6

Candidate Starts for RoadKill_51:

(5, 42056), (Start: 6 @42080 has 7 MA's), (7, 42134), (8, 42200), (9, 42227),

Gene: Tiamoceli_54 Start: 43371, Stop: 43592, Start Num: 6

Candidate Starts for Tiamoceli_54:

(5, 43347), (Start: 6 @43371 has 7 MA's), (7, 43425), (8, 43491), (9, 43518),

Gene: Twonlo_51 Start: 42001, Stop: 42222, Start Num: 6

Candidate Starts for Twonlo_51:

(5, 41977), (Start: 6 @42001 has 7 MA's), (7, 42055), (9, 42148),