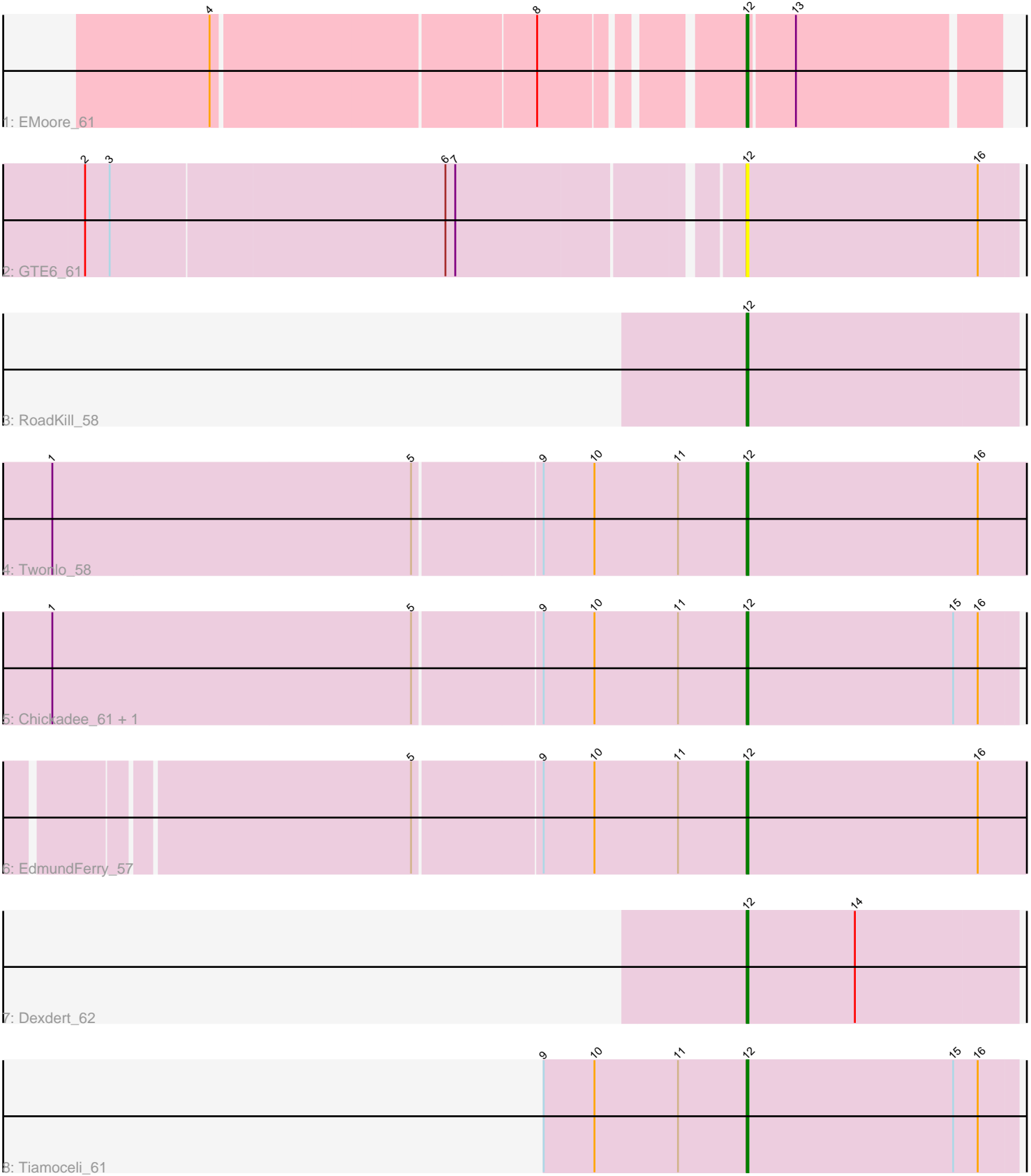# Pham 156857

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 156857 Report

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

Pham number 156857 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EMoore_61
• Track 2 : GTE6_61
• Track 3 : RoadKill_58
• Track 4 : Twonlo_58
• Track 5 : Chickadee_61, Kwekel_61
• Track 6 : EdmundFerry_57
• Track 7 : Dexdert_62
• Track 8 : Tiamoceli_61


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

The start number called the most often in the published annotations is 12, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chickadee_61, Dexdert_62, EMoore_61, EdmundFerry_57, GTE6_61, Kwekel_61, RoadKill_58, Tiamoceli_61, Twonlo_58,

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 12:
• 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_61 (DE3), Dexdert_62 (DE3), EMoore_61 (DE2), EdmundFerry_57 (DE3), GTE6_61 (DE3), Kwekel_61 (DE3), RoadKill_58 (DE3), Tiamoceli_61 (DE3), Twonlo_58 (DE3),

**Summary by clusters:**

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

Info for manual annotations of cluster DE2:
•Start number 12 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 12 was manually annotated 6 times for cluster DE3.

*Gene Information:*
Gene: Chickadee_61 Start: 45582, Stop: 45746, Start Num: 12
Candidate Starts for Chickadee_61:
(1, 45168), (5, 45384), (9, 45459), (10, 45489), (11, 45540), (Start: 12 @45582 has 7 MA's), (15, 45708), (16, 45723),

Gene: Dexdert_62 Start: 45703, Stop: 45867, Start Num: 12
Candidate Starts for Dexdert_62:
(Start: 12 @45703 has 7 MA's), (14, 45769),

Gene: EMoore_61 Start: 49538, Stop: 49684, Start Num: 12
Candidate Starts for EMoore_61:
(4, 49241), (8, 49430), (Start: 12 @49538 has 7 MA's), (13, 49565),

Gene: EdmundFerry_57 Start: 44216, Stop: 44413, Start Num: 12
Candidate Starts for EdmundFerry_57:
(5, 44018), (9, 44093), (10, 44123), (11, 44174), (Start: 12 @44216 has 7 MA's), (16, 44357),

Gene: GTE6_61 Start: 46038, Stop: 46202, Start Num: 12
Candidate Starts for GTE6_61:
(2, 45654), (3, 45669), (6, 45870), (7, 45876), (Start: 12 @46038 has 7 MA's), (16, 46179),

Gene: Kwekel_61 Start: 45495, Stop: 45659, Start Num: 12
Candidate Starts for Kwekel_61:
(1, 45081), (5, 45297), (9, 45372), (10, 45402), (11, 45453), (Start: 12 @45495 has 7 MA's), (15, 45621), (16, 45636),

Gene: RoadKill_58 Start: 44996, Stop: 45160, Start Num: 12
Candidate Starts for RoadKill_58:
(Start: 12 @44996 has 7 MA's),

Gene: Tiamoceli_61 Start: 46470, Stop: 46634, Start Num: 12
Candidate Starts for Tiamoceli_61:
(9, 46347), (10, 46377), (11, 46428), (Start: 12 @46470 has 7 MA's), (15, 46596), (16, 46611),

Gene: Twonlo_58 Start: 44965, Stop: 45162, Start Num: 12
Candidate Starts for Twonlo_58:
(1, 44551), (5, 44767), (9, 44842), (10, 44872), (11, 44923), (Start: 12 @44965 has 7 MA's), (16, 45106),