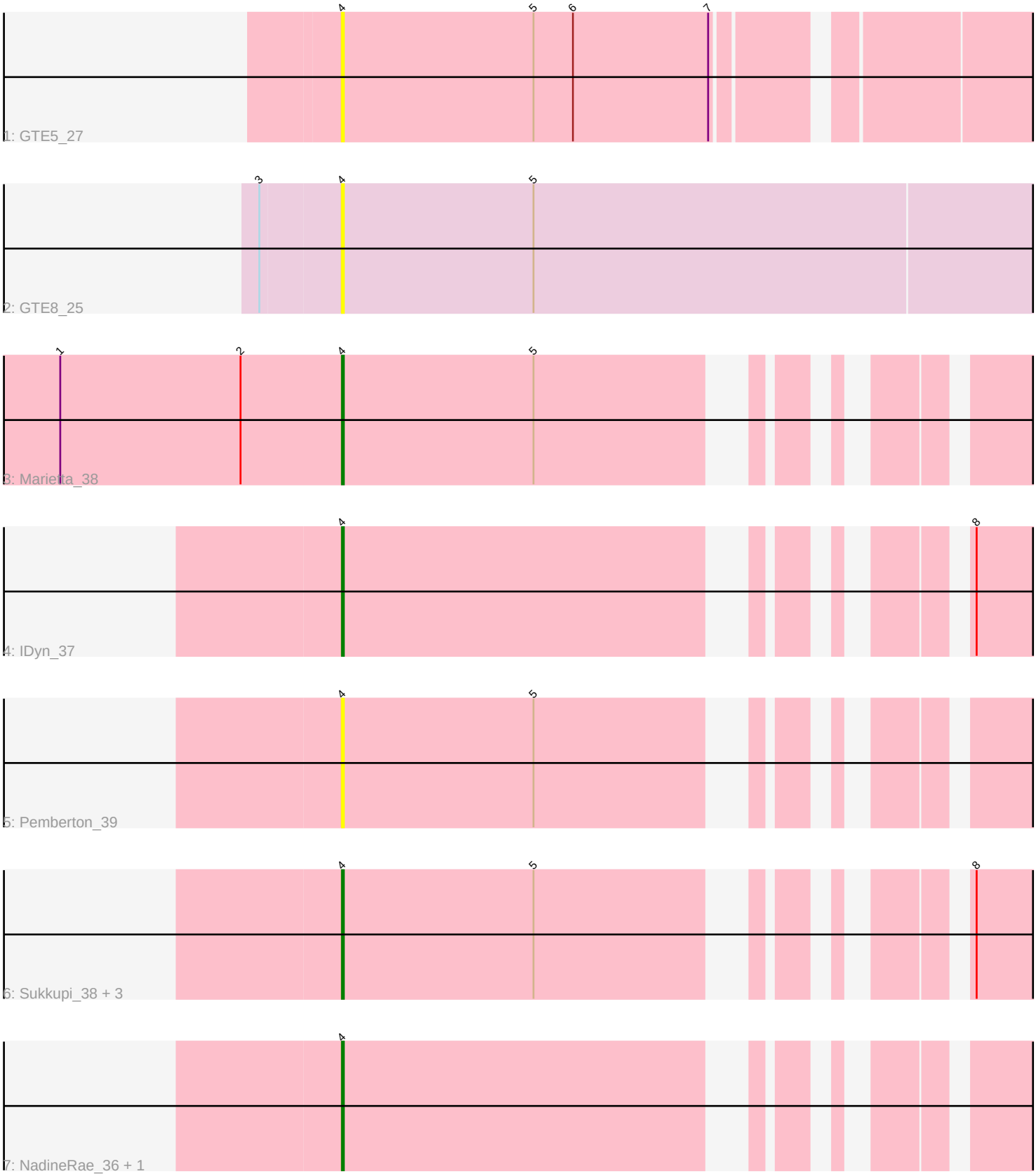
Pham 272316


4
5
6
7
1: GTE5_27
3
4
5
2: GTE8_25
1
2
4
5
3: Marietta_38
4
8
4: IDyn_37
4
5
5: Pemberton_39
4
5
8
6: Sukkupi_38 + 3
4
7: NadineRae_36 + 1

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 272316 Report

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

Pham number 272316 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : GTE5_27
• Track 2 : GTE8_25
• Track 3 : Marietta_38
• Track 4 : IDyn_37
• Track 5 : Pemberton_39
• Track 6 : Sukkupi_38, Yndexa_38, HubbaBubba_34, BiPauneto_39
• Track 7 : NadineRae_36, WhoseManz_38

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BiPauneto_39, GTE5_27, GTE8_25, HubbaBubba_34, IDyn_37, Marietta_38, NadineRae_36, Pemberton_39, Sukkupi_38, WhoseManz_38, Yndexa_38,

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 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiPauneto_39 (CR4), GTE5_27 (CR1), GTE8_25 (CR2), HubbaBubba_34 (CR4), IDyn_37 (CR4), Marietta_38 (CR4), NadineRae_36 (CR4), Pemberton_39 (CR4), Sukkupi_38 (CR4), WhoseManz_38 (CR4), Yndexa_38 (CR4),

Summary by clusters:

There are 3 clusters represented in this pham: CR2, CR1, CR4,

Info for manual annotations of cluster CR4:
•Start number 4 was manually annotated 8 times for cluster CR4.

Gene Information:

Gene: BiPauneto_39 Start: 21993, Stop: 22307, Start Num: 4
Candidate Starts for BiPauneto_39:
(Start: 4 @21993 has 8 MA's), (5, 22095), (8, 22260),

Gene: GTE5_27 Start: 16432, Stop: 16794, Start Num: 4
Candidate Starts for GTE5_27:
(Start: 4 @16432 has 8 MA's), (5, 16534), (6, 16555), (7, 16627),

Gene: GTE8_25 Start: 16446, Stop: 16829, Start Num: 4
Candidate Starts for GTE8_25:
(3, 16404), (Start: 4 @16446 has 8 MA's), (5, 16548),

Gene: HubbaBubba_34 Start: 19011, Stop: 19325, Start Num: 4
Candidate Starts for HubbaBubba_34:
(Start: 4 @19011 has 8 MA's), (5, 19113), (8, 19278),

Gene: IDyn_37 Start: 20407, Stop: 20721, Start Num: 4
Candidate Starts for IDyn_37:
(Start: 4 @20407 has 8 MA's), (8, 20674),

Gene: Marietta_38 Start: 20323, Stop: 20637, Start Num: 4
Candidate Starts for Marietta_38:
(1, 20173), (2, 20269), (Start: 4 @20323 has 8 MA's), (5, 20425),

Gene: NadineRae_36 Start: 19570, Stop: 19884, Start Num: 4
Candidate Starts for NadineRae_36:
(Start: 4 @19570 has 8 MA's),

Gene: Pemberton_39 Start: 20310, Stop: 20624, Start Num: 4
Candidate Starts for Pemberton_39:
(Start: 4 @20310 has 8 MA's), (5, 20412),

Gene: Sukkupi_38 Start: 21884, Stop: 22198, Start Num: 4
Candidate Starts for Sukkupi_38:
(Start: 4 @21884 has 8 MA's), (5, 21986), (8, 22151),

Gene: WhoseManz_38 Start: 19936, Stop: 20250, Start Num: 4
Candidate Starts for WhoseManz_38:
(Start: 4 @19936 has 8 MA's),

Gene: Yndexa_38 Start: 21884, Stop: 22198, Start Num: 4
Candidate Starts for Yndexa_38:
(Start: 4 @21884 has 8 MA's), (5, 21986), (8, 22151),