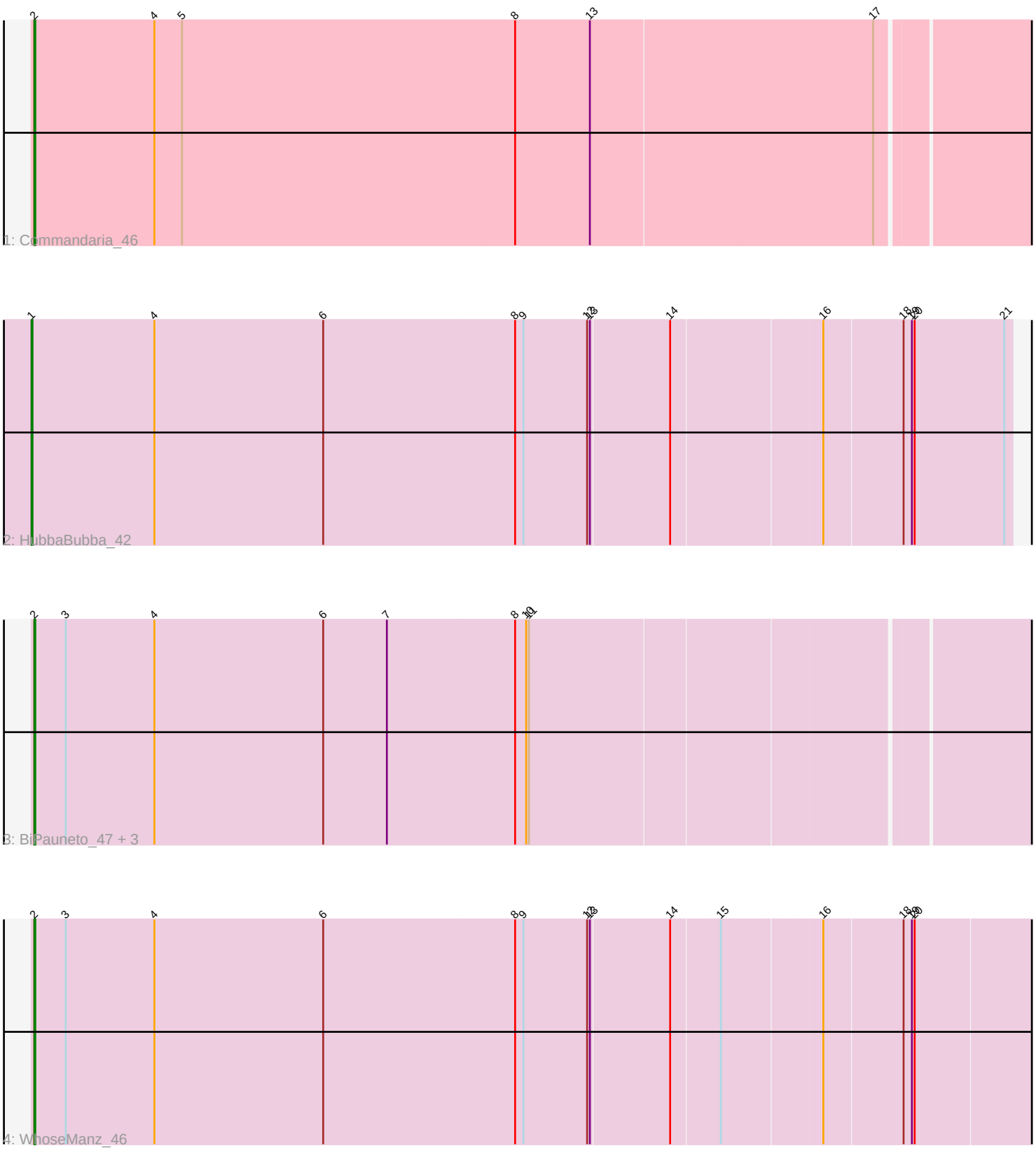
Pham 281266


1: Commandaria_46
2: HubbaBubba_42
3: BiPauneto_47 + 3
4: WhoseManz_46

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 281266 Report

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

Pham number 281266 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Commandaria_46
• Track 2 : HubbaBubba_42
• Track 3 : BiPauneto_47, Pemberton_48, Sukkupi_46, Yndexa_46
• Track 4 : WhoseManz_46

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BiPauneto_47, Commandaria_46, Pemberton_48, Sukkupi_46, WhoseManz_46, Yndexa_46,

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

Genes that do not have the "Most Annotated" start:
• HubbaBubba_42,

Summary by start number:

Start 1:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HubbaBubba_42 (CR4),

Start 2:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiPauneto_47 (CR4), Commandaria_46 (CR2), Pemberton_48 (CR4), Sukkupi_46 (CR4), WhoseManz_46 (CR4), Yndexa_46

(CR4),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR4,

Info for manual annotations of cluster CR2:
•Start number 2 was manually annotated 1 time for cluster CR2.

Info for manual annotations of cluster CR4:
•Start number 1 was manually annotated 1 time for cluster CR4.
•Start number 2 was manually annotated 4 times for cluster CR4.

Gene Information:

Gene: BiPauneto_47 Start: 34721, Stop: 35812, Start Num: 2
Candidate Starts for BiPauneto_47:
(Start: 2 @34721 has 5 MA's), (3, 34754), (4, 34850), (6, 35033), (7, 35102), (8, 35240), (10, 35252), (11, 35255),

Gene: Commandaria_46 Start: 36317, Stop: 37420, Start Num: 2
Candidate Starts for Commandaria_46:
(Start: 2 @36317 has 5 MA's), (4, 36446), (5, 36476), (8, 36836), (13, 36917), (17, 37220),

Gene: HubbaBubba_42 Start: 31720, Stop: 32760, Start Num: 1
Candidate Starts for HubbaBubba_42:
(Start: 1 @31720 has 1 MA's), (4, 31852), (6, 32035), (8, 32242), (9, 32251), (12, 32320), (13, 32323), (14, 32407), (16, 32560), (18, 32644), (19, 32653), (20, 32656), (21, 32752),

Gene: Pemberton_48 Start: 33038, Stop: 34129, Start Num: 2
Candidate Starts for Pemberton_48:
(Start: 2 @33038 has 5 MA's), (3, 33071), (4, 33167), (6, 33350), (7, 33419), (8, 33557), (10, 33569), (11, 33572),

Gene: Sukkupi_46 Start: 34612, Stop: 35703, Start Num: 2
Candidate Starts for Sukkupi_46:
(Start: 2 @34612 has 5 MA's), (3, 34645), (4, 34741), (6, 34924), (7, 34993), (8, 35131), (10, 35143), (11, 35146),

Gene: WhoseManz_46 Start: 32658, Stop: 33761, Start Num: 2
Candidate Starts for WhoseManz_46:
(Start: 2 @32658 has 5 MA's), (3, 32691), (4, 32787), (6, 32970), (8, 33177), (9, 33186), (12, 33255), (13, 33258), (14, 33342), (15, 33393), (16, 33495), (18, 33579), (19, 33588), (20, 33591),

Gene: Yndexa_46 Start: 34612, Stop: 35703, Start Num: 2
Candidate Starts for Yndexa_46:
(Start: 2 @34612 has 5 MA's), (3, 34645), (4, 34741), (6, 34924), (7, 34993), (8, 35131), (10, 35143), (11, 35146),