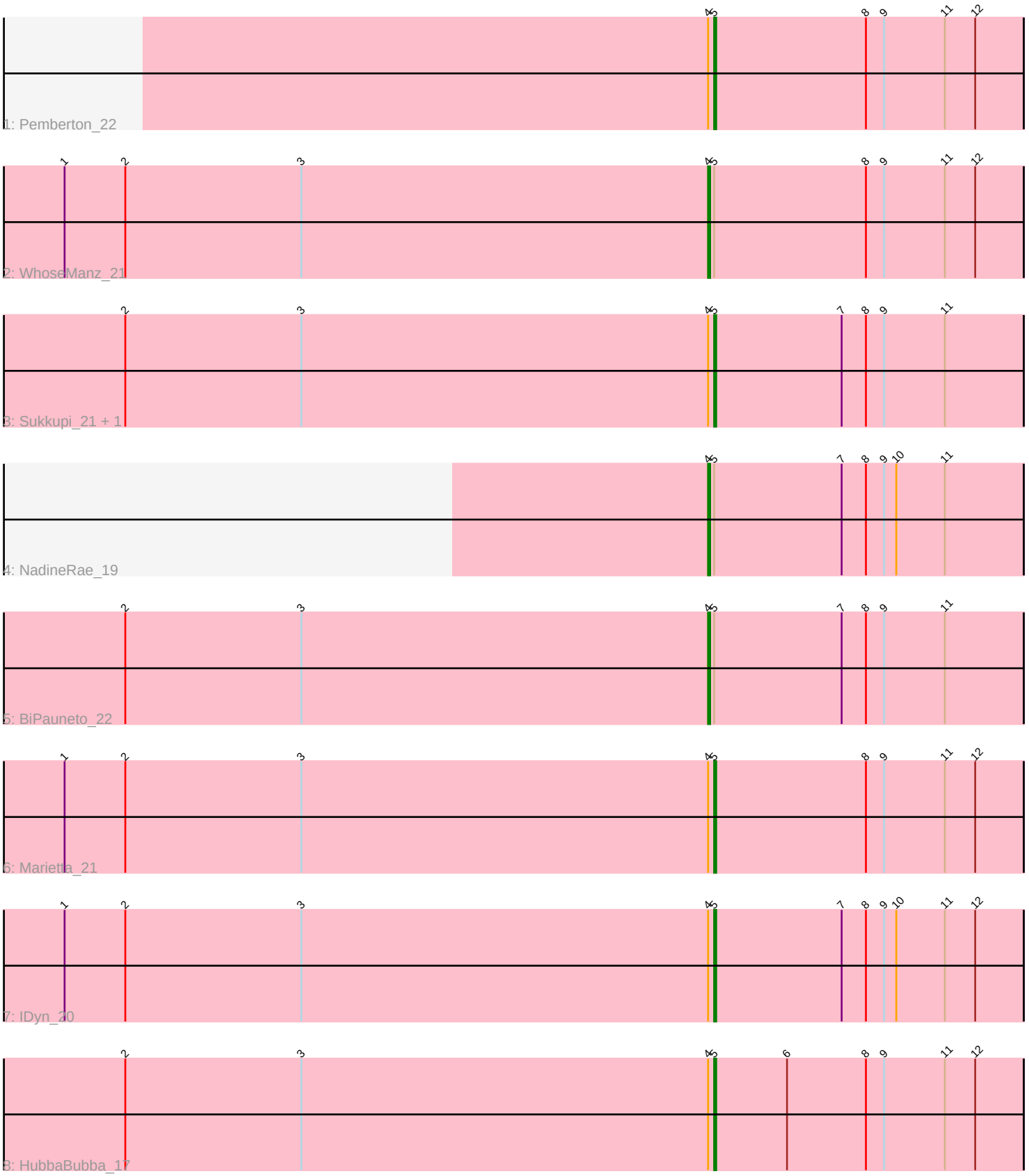
Pham 323933


1: Pemberton_22
2: WhoseManz_21
3: Sukkupi_21 + 1
4: NadineRae_19
5: BiPauneto_22
6: Marietta_21
7: IDyn_20
8: HubbaBubba_17

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 323933 Report

This analysis was run 09/05/26 on database version 662.

Pham number 323933 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Pemberton_22
• Track 2 : WhoseManz_21
• Track 3 : Sukkupi_21, Yndexa_21
• Track 4 : NadineRae_19
• Track 5 : BiPauneto_22
• Track 6 : Marietta_21
• Track 7 : IDyn_20
• Track 8 : HubbaBubba_17

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HubbaBubba_17, IDyn_20, Marietta_21, Pemberton_22, Sukkupi_21, Yndexa_21,

Genes that have the "Most Annotated" start but do not call it:
• BiPauneto_22, NadineRae_19, WhoseManz_21,

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

Summary by start number:

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BiPauneto_22 (CR4), NadineRae_19 (CR4), WhoseManz_21 (CR4),

Start 5:
• Found in 9 of 9 (100.0%) of genes in pham

• Manual Annotations of this start: 6 of 9
• Called 66.7% of time when present
• Phage (with cluster) where this start called: HubbaBubba_17 (CR4), IDyn_20 (CR4), Marietta_21 (CR4), Pemberton_22 (CR4), Sukkupi_21 (CR4), Yndexa_21 (CR4),

Summary by clusters:

There is one cluster represented in this pham: CR4

Info for manual annotations of cluster CR4:
•Start number 4 was manually annotated 3 times for cluster CR4.
•Start number 5 was manually annotated 6 times for cluster CR4.

Gene Information:

Gene: BiPauneto_22 Start: 9041, Stop: 9196, Start Num: 4
Candidate Starts for BiPauneto_22:
(2, 8753), (3, 8840), (Start: 4 @9041 has 3 MA's), (Start: 5 @9044 has 6 MA's), (7, 9107), (8, 9119), (9, 9128), (11, 9158),

Gene: HubbaBubba_17 Start: 7570, Stop: 7722, Start Num: 5
Candidate Starts for HubbaBubba_17:
(2, 7279), (3, 7366), (Start: 4 @7567 has 3 MA's), (Start: 5 @7570 has 6 MA's), (6, 7606), (8, 7645), (9, 7654), (11, 7684), (12, 7699),

Gene: IDyn_20 Start: 8961, Stop: 9113, Start Num: 5
Candidate Starts for IDyn_20:
(1, 8640), (2, 8670), (3, 8757), (Start: 4 @8958 has 3 MA's), (Start: 5 @8961 has 6 MA's), (7, 9024), (8, 9036), (9, 9045), (10, 9051), (11, 9075), (12, 9090),

Gene: Marietta_21 Start: 8887, Stop: 9039, Start Num: 5
Candidate Starts for Marietta_21:
(1, 8566), (2, 8596), (3, 8683), (Start: 4 @8884 has 3 MA's), (Start: 5 @8887 has 6 MA's), (8, 8962), (9, 8971), (11, 9001), (12, 9016),

Gene: NadineRae_19 Start: 8134, Stop: 8289, Start Num: 4
Candidate Starts for NadineRae_19:
(Start: 4 @8134 has 3 MA's), (Start: 5 @8137 has 6 MA's), (7, 8200), (8, 8212), (9, 8221), (10, 8227), (11, 8251),

Gene: Pemberton_22 Start: 8855, Stop: 9007, Start Num: 5
Candidate Starts for Pemberton_22:
(Start: 4 @8852 has 3 MA's), (Start: 5 @8855 has 6 MA's), (8, 8930), (9, 8939), (11, 8969), (12, 8984),

Gene: Sukkupi_21 Start: 8935, Stop: 9087, Start Num: 5
Candidate Starts for Sukkupi_21:
(2, 8644), (3, 8731), (Start: 4 @8932 has 3 MA's), (Start: 5 @8935 has 6 MA's), (7, 8998), (8, 9010), (9, 9019), (11, 9049),

Gene: WhoseManz_21 Start: 8495, Stop: 8650, Start Num: 4
Candidate Starts for WhoseManz_21:

(1, 8177), (2, 8207), (3, 8294), (Start: 4 @8495 has 3 MA's), (Start: 5 @8498 has 6 MA's), (8, 8573), (9, 8582), (11, 8612), (12, 8627),

Gene: Yndexa_21 Start: 8935, Stop: 9087, Start Num: 5
Candidate Starts for Yndexa_21:
(2, 8644), (3, 8731), (Start: 4 @8932 has 3 MA's), (Start: 5 @8935 has 6 MA's), (7, 8998), (8, 9010), (9, 9019), (11, 9049),