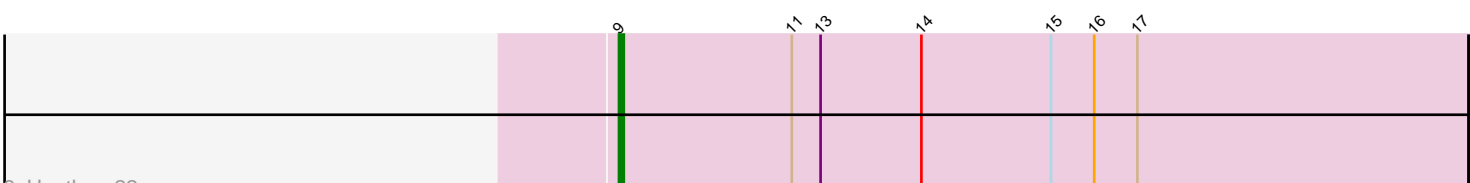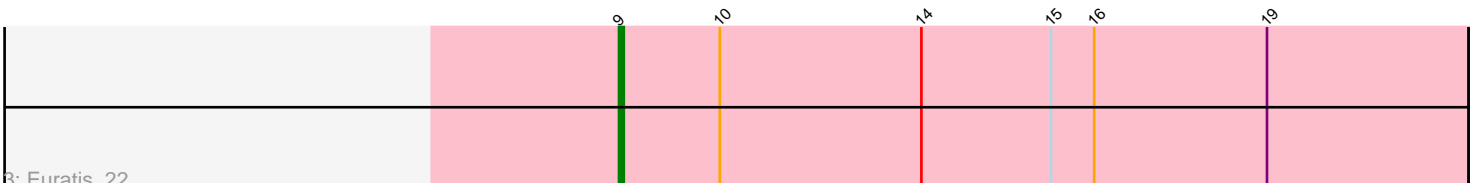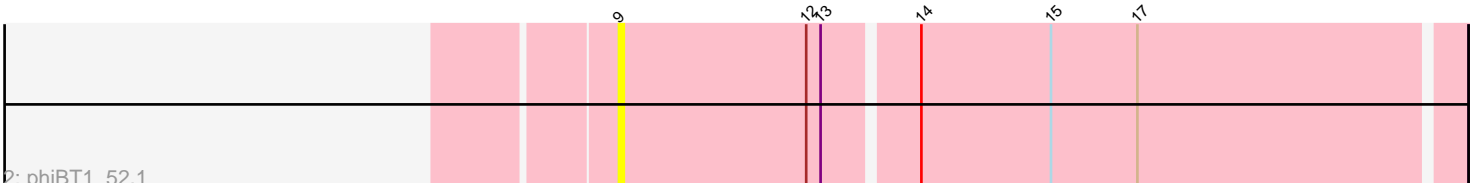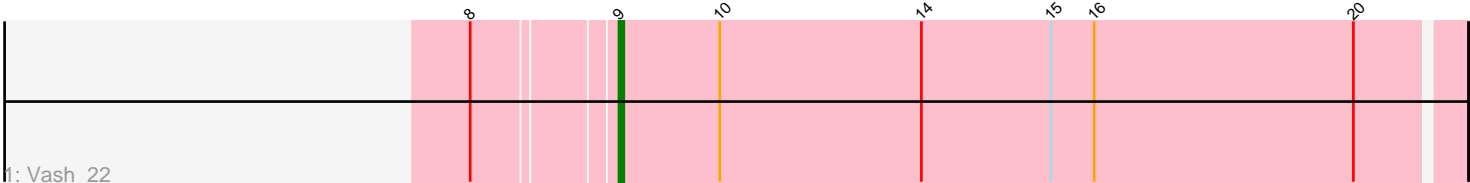# Pham 6905

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 6905 Report

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

Pham number 6905 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Vash_22
• Track 2 : phiBT1_52.1
• Track 3 : Euratis_22
• Track 4 : Lilbooboo_22
• Track 5 : Samora_22
• Track 6 : Heather_22
• Track 7 : Sebastisaurus_22
• Track 8 : RemusLoopin_22

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

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

Genes that call this "Most Annotated" start:
• Euratis_22, Heather_22, Lilbooboo_22, RemusLoopin_22, Samora_22, Sebastisaurus_22, Vash_22, phiBT1_52.1,

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 9:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_22 (BB1), Heather_22 (BB2), Lilbooboo_22 (BB1), RemusLoopin_22 (BB2), Samora_22 (BB1), Sebastisaurus_22 (BB2), Vash_22 (BB1), phiBT1_52.1 (BB1),

Summary by clusters:

There are 2 clusters represented in this pham: BB2, BB1,

Info for manual annotations of cluster BB1:
•Start number 9 was manually annotated 3 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 9 was manually annotated 3 times for cluster BB2.

Gene Information:
Gene: Euratis_22 Start: 18028, Stop: 18204, Start Num: 9
Candidate Starts for Euratis_22:
(Start: 9 @18028 has 6 MA's), (10, 18049), (14, 18091), (15, 18118), (16, 18127), (19, 18163),

Gene: Heather_22 Start: 17588, Stop: 17764, Start Num: 9
Candidate Starts for Heather_22:
(Start: 9 @17588 has 6 MA's), (11, 17624), (13, 17630), (14, 17651), (15, 17678), (16, 17687), (17, 17696),

Gene: Lilbooboo_22 Start: 18238, Stop: 18411, Start Num: 9
Candidate Starts for Lilbooboo_22:
(Start: 9 @18238 has 6 MA's), (11, 18274), (14, 18301), (15, 18328), (16, 18337), (20, 18391),

Gene: RemusLoopin_22 Start: 17934, Stop: 18110, Start Num: 9
Candidate Starts for RemusLoopin_22:
(1, 17838), (4, 17868), (5, 17871), (6, 17877), (Start: 9 @17934 has 6 MA's), (11, 17970), (13, 17976), (14, 17997), (15, 18024), (16, 18033), (17, 18042),

Gene: Samora_22 Start: 18373, Stop: 18546, Start Num: 9
Candidate Starts for Samora_22:
(3, 18298), (5, 18310), (6, 18316), (7, 18328), (Start: 9 @18373 has 6 MA's), (14, 18436), (15, 18463), (16, 18472), (20, 18526),

Gene: Sebastisaurus_22 Start: 17960, Stop: 18136, Start Num: 9
Candidate Starts for Sebastisaurus_22:
(2, 17885), (5, 17897), (6, 17903), (Start: 9 @17960 has 6 MA's), (10, 17981), (13, 18002), (14, 18023), (15, 18050), (16, 18059), (17, 18068), (18, 18092),

Gene: Vash_22 Start: 18041, Stop: 18214, Start Num: 9
Candidate Starts for Vash_22:
(8, 18014), (Start: 9 @18041 has 6 MA's), (10, 18062), (14, 18104), (15, 18131), (16, 18140), (20, 18194),

Gene: phiBT1_52.1 Start: 18456, Stop: 18626, Start Num: 9
Candidate Starts for phiBT1_52.1:
(Start: 9 @18456 has 6 MA's), (12, 18495), (13, 18498), (14, 18516), (15, 18543), (17, 18561),