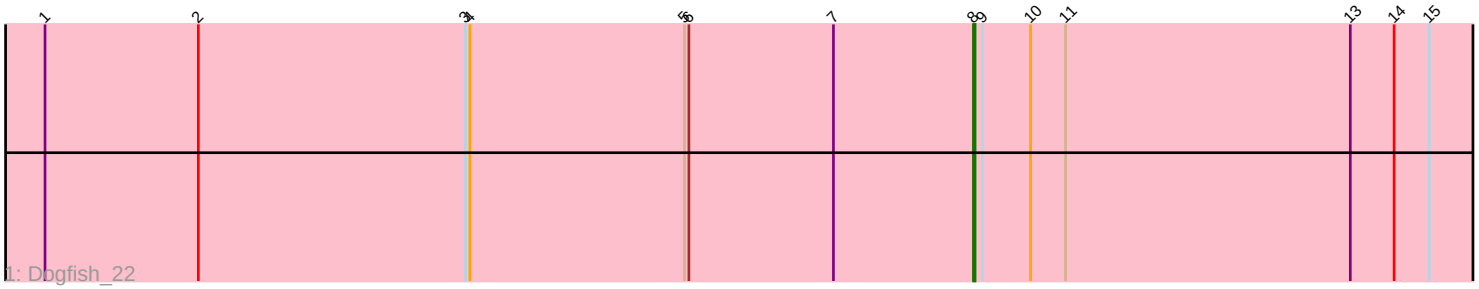
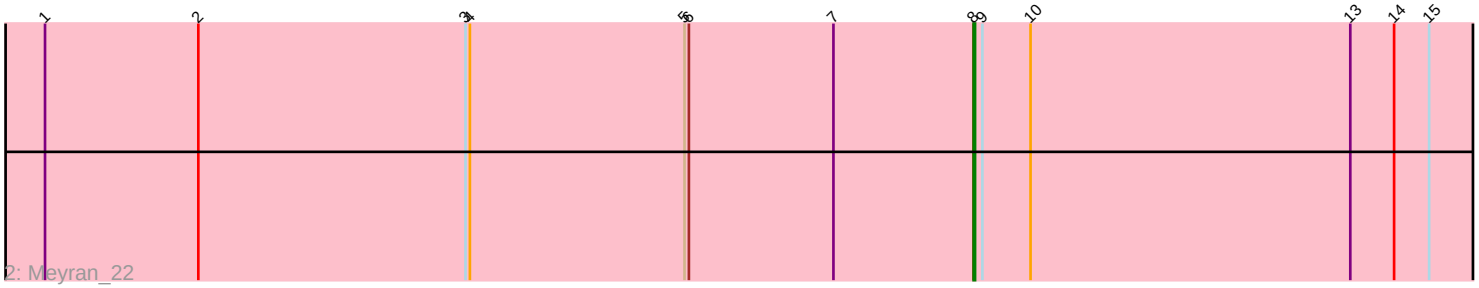
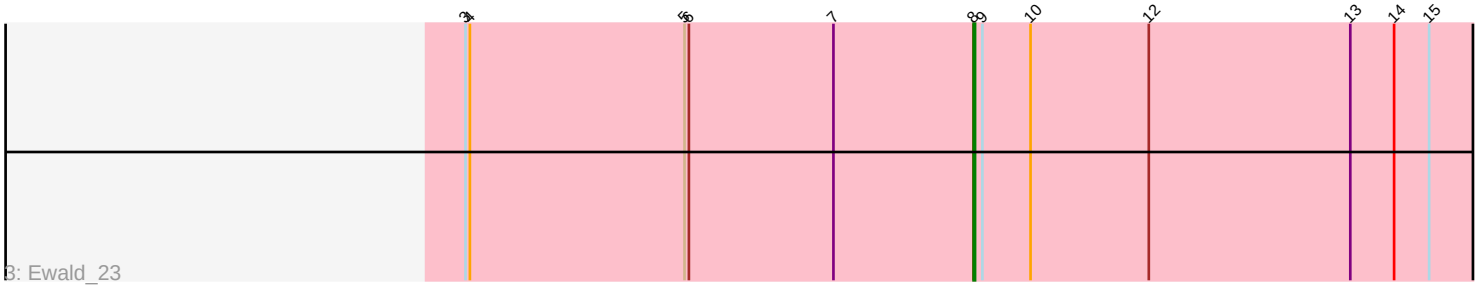
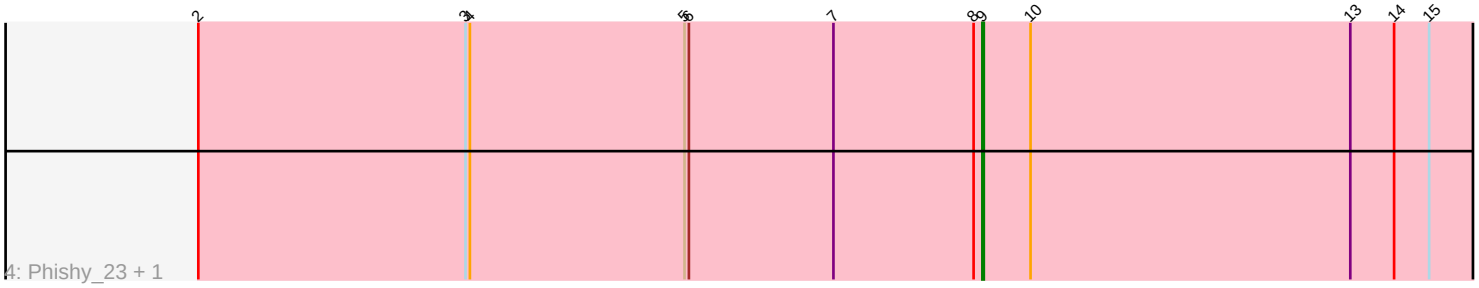
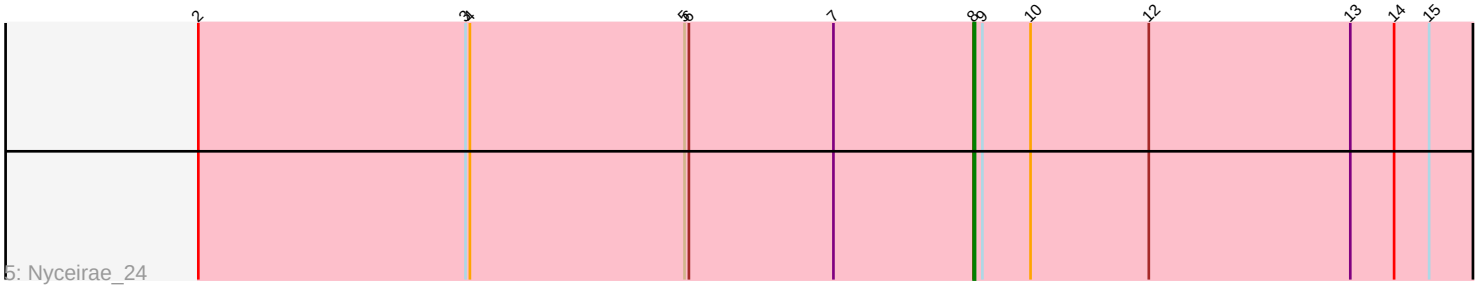
Pham 28309


1
2
3
5
7
8
9
10
11
13
14
15
1: Dogfish_22


1
2
3
5
7
8
9
10
13
14
15
2: Meyran_22


3
5
7
8
9
10
12
13
14
15
3: Ewald_23


2
3
5
7
8
9
10
13
14
15
4: Phishy_23 + 1


2
3
5
7
8
9
10
12
13
14
15
5: Nyceirae_24

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 28309 Report

This analysis was run 04/05/24 on database version 557.

Pham number 28309 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dogfish_22
• Track 2 : Meyran_22
• Track 3 : Ewald_23
• Track 4 : Phishy_23, Vordorf_23
• Track 5 : Nyceirae_24

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dogfish_22, Ewald_23, Meyran_22, Nyceirae_24,

Genes that have the "Most Annotated" start but do not call it:
• Phishy_23, Vordorf_23,

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

Summary by start number:

Start 8:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Dogfish_22 (DT), Ewald_23 (DT), Meyran_22 (DT), Nyceirae_24 (DT),

Start 9:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Phishy_23 (DT), Vordorf_23 (DT),

Summary by clusters:

There is one cluster represented in this pham: DT

Info for manual annotations of cluster DT:
•Start number 8 was manually annotated 4 times for cluster DT.
•Start number 9 was manually annotated 1 time for cluster DT.

Gene Information:

Gene: Dogfish_22 Start: 19828, Stop: 20220, Start Num: 8
Candidate Starts for Dogfish_22:
(1, 19192), (2, 19297), (3, 19480), (4, 19483), (5, 19630), (6, 19633), (7, 19732), (Start: 8 @19828 has 4 MA's), (Start: 9 @19834 has 1 MA's), (10, 19867), (11, 19891), (13, 20086), (14, 20116), (15, 20140),

Gene: Ewald_23 Start: 20101, Stop: 20496, Start Num: 8
Candidate Starts for Ewald_23:
(3, 19753), (4, 19756), (5, 19903), (6, 19906), (7, 20005), (Start: 8 @20101 has 4 MA's), (Start: 9 @20107 has 1 MA's), (10, 20140), (12, 20221), (13, 20359), (14, 20389), (15, 20413),

Gene: Meyran_22 Start: 20559, Stop: 20951, Start Num: 8
Candidate Starts for Meyran_22:
(1, 19923), (2, 20028), (3, 20211), (4, 20214), (5, 20361), (6, 20364), (7, 20463), (Start: 8 @20559 has 4 MA's), (Start: 9 @20565 has 1 MA's), (10, 20598), (13, 20817), (14, 20847), (15, 20871),

Gene: Nyceirae_24 Start: 20423, Stop: 20815, Start Num: 8
Candidate Starts for Nyceirae_24:
(2, 19892), (3, 20075), (4, 20078), (5, 20225), (6, 20228), (7, 20327), (Start: 8 @20423 has 4 MA's), (Start: 9 @20429 has 1 MA's), (10, 20462), (12, 20543), (13, 20681), (14, 20711), (15, 20735),

Gene: Phishy_23 Start: 20431, Stop: 20817, Start Num: 9
Candidate Starts for Phishy_23:
(2, 19894), (3, 20077), (4, 20080), (5, 20227), (6, 20230), (7, 20329), (Start: 8 @20425 has 4 MA's), (Start: 9 @20431 has 1 MA's), (10, 20464), (13, 20683), (14, 20713), (15, 20737),

Gene: Vordorf_23 Start: 20032, Stop: 20418, Start Num: 9
Candidate Starts for Vordorf_23:
(2, 19495), (3, 19678), (4, 19681), (5, 19828), (6, 19831), (7, 19930), (Start: 8 @20026 has 4 MA's), (Start: 9 @20032 has 1 MA's), (10, 20065), (13, 20284), (14, 20314), (15, 20338),