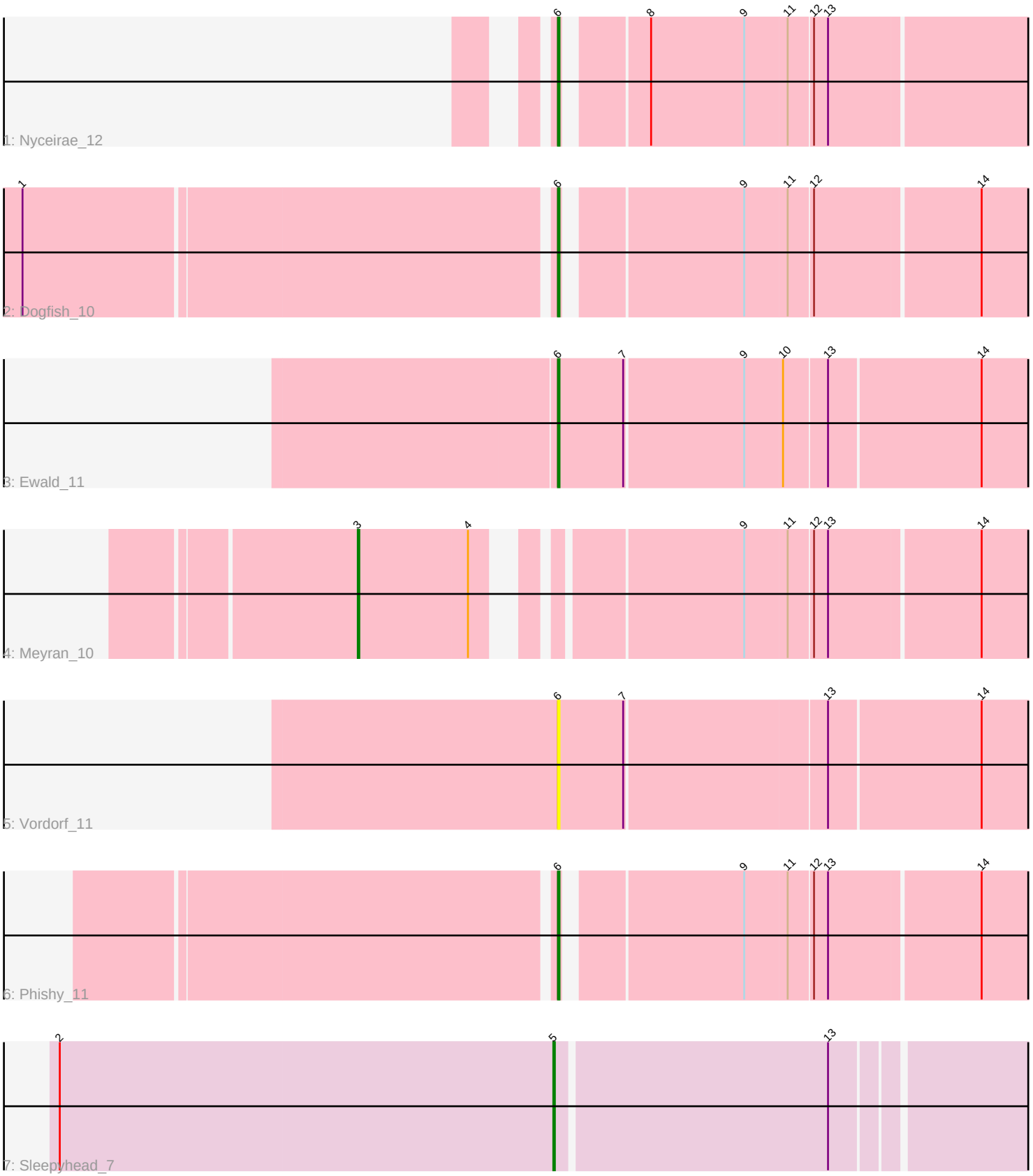
Pham 7501


6
8
9
11
12
13
1: Nyceirae_12
1
6
9
11
12
14
2: Dogfish_10
6
7
9
10
13
14
3: Ewald_11
3
4
9
11
12
13
14
4: Meyran_10
6
7
13
14
5: Vordorf_11
6
9
11
12
13
14
6: Phishy_11
2
5
13
7: Sleepyhead_7

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 7501 Report

This analysis was run 03/30/24 on database version 556.

Pham number 7501 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nyceirae_12
• Track 2 : Dogfish_10
• Track 3 : Ewald_11
• Track 4 : Meyran_10
• Track 5 : Vordorf_11
• Track 6 : Phishy_11
• Track 7 : Sleepyhead_7

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dogfish_10, Ewald_11, Nyceirae_12, Phishy_11, Vordorf_11,

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

Genes that do not have the "Most Annotated" start:
• Meyran_10, Sleepyhead_7,

Summary by start number:

Start 3:
• 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: Meyran_10 (DT),

Start 5:
• 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: Sleepyhead_7 (singleton),

Start 6:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dogfish_10 (DT), Ewald_11 (DT), Nyceirae_12 (DT), Phishy_11 (DT), Vordorf_11 (DT),

Summary by clusters:

There are 2 clusters represented in this pham: DT, singleton,

Info for manual annotations of cluster DT:
•Start number 3 was manually annotated 1 time for cluster DT.
•Start number 6 was manually annotated 4 times for cluster DT.

Gene Information:

Gene: Dogfish_10 Start: 7829, Stop: 8134, Start Num: 6
Candidate Starts for Dogfish_10:
(1, 7499), (Start: 6 @7829 has 4 MA's), (9, 7934), (11, 7961), (12, 7976), (14, 8078),

Gene: Ewald_11 Start: 8064, Stop: 8393, Start Num: 6
Candidate Starts for Ewald_11:
(Start: 6 @8064 has 4 MA's), (7, 8106), (9, 8181), (10, 8205), (13, 8232), (14, 8328),

Gene: Meyran_10 Start: 8413, Stop: 8823, Start Num: 3
Candidate Starts for Meyran_10:
(Start: 3 @8413 has 1 MA's), (4, 8482), (9, 8623), (11, 8650), (12, 8665), (13, 8674), (14, 8767),

Gene: Nyceirae_12 Start: 8420, Stop: 8725, Start Num: 6
Candidate Starts for Nyceirae_12:
(Start: 6 @8420 has 4 MA's), (8, 8465), (9, 8525), (11, 8552), (12, 8567), (13, 8576),

Gene: Phishy_11 Start: 8381, Stop: 8686, Start Num: 6
Candidate Starts for Phishy_11:
(Start: 6 @8381 has 4 MA's), (9, 8486), (11, 8513), (12, 8528), (13, 8537), (14, 8630),

Gene: Sleepyhead_7 Start: 6109, Stop: 6429, Start Num: 5
Candidate Starts for Sleepyhead_7:
(2, 5794), (Start: 5 @6109 has 1 MA's), (13, 6280),

Gene: Vordorf_11 Start: 7960, Stop: 8289, Start Num: 6
Candidate Starts for Vordorf_11:
(Start: 6 @7960 has 4 MA's), (7, 8002), (13, 8128), (14, 8224),