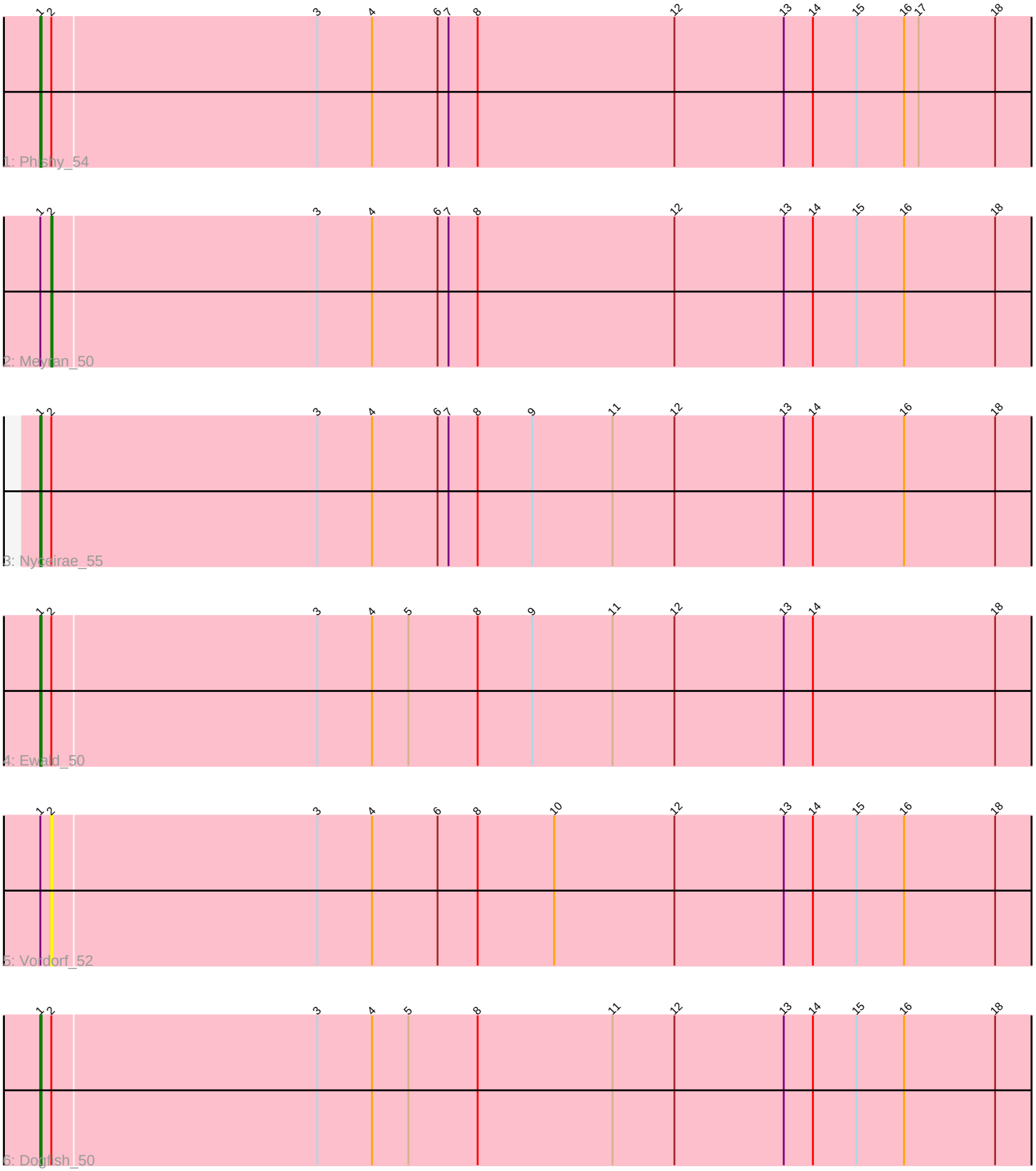
Pham 28207


1 2 3 4 6 7 8 12 13 14 15 16 17 18
1: Phishy_54
1 2 3 4 6 7 8 12 13 14 15 16 18
2: Meyran_50
1 2 3 4 6 7 8 9 11 12 13 14 16 18
3: Nyceirae_55
1 2 3 4 5 8 9 11 12 13 14 18
4: Ewald_50
1 2 3 4 6 8 10 12 13 14 15 16 18
5: Voldorf_52
1 2 3 4 5 8 11 12 13 14 15 16 18
6: Dogfish_50

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 28207 Report

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

Pham number 28207 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Phishy_54
• Track 2 : Meyran_50
• Track 3 : Nyceirae_55
• Track 4 : Ewald_50
• Track 5 : Vordorf_52
• Track 6 : Dogfish_50

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dogfish_50, Ewald_50, Nyceirae_55, Phishy_54,

Genes that have the "Most Annotated" start but do not call it:
• Meyran_50, Vordorf_52,

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

Summary by start number:

Start 1:
• 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_50 (DT), Ewald_50 (DT), Nyceirae_55 (DT), Phishy_54 (DT),

Start 2:
• 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: Meyran_50 (DT), Vordorf_52 (DT),

Summary by clusters:

There is one cluster represented in this pham: DT

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

Gene Information:

Gene: Dogfish_50 Start: 38049, Stop: 38891, Start Num: 1
Candidate Starts for Dogfish_50:
(Start: 1 @38049 has 4 MA's), (Start: 2 @38058 has 1 MA's), (3, 38274), (4, 38319), (5, 38349), (8, 38406), (11, 38517), (12, 38568), (13, 38658), (14, 38682), (15, 38718), (16, 38757), (18, 38832),

Gene: Ewald_50 Start: 37861, Stop: 38703, Start Num: 1
Candidate Starts for Ewald_50:
(Start: 1 @37861 has 4 MA's), (Start: 2 @37870 has 1 MA's), (3, 38086), (4, 38131), (5, 38161), (8, 38218), (9, 38263), (11, 38329), (12, 38380), (13, 38470), (14, 38494), (18, 38644),

Gene: Meyran_50 Start: 38971, Stop: 39804, Start Num: 2
Candidate Starts for Meyran_50:
(Start: 1 @38962 has 4 MA's), (Start: 2 @38971 has 1 MA's), (3, 39187), (4, 39232), (6, 39286), (7, 39295), (8, 39319), (12, 39481), (13, 39571), (14, 39595), (15, 39631), (16, 39670), (18, 39745),

Gene: Nyceirae_55 Start: 38989, Stop: 39834, Start Num: 1
Candidate Starts for Nyceirae_55:
(Start: 1 @38989 has 4 MA's), (Start: 2 @38998 has 1 MA's), (3, 39217), (4, 39262), (6, 39316), (7, 39325), (8, 39349), (9, 39394), (11, 39460), (12, 39511), (13, 39601), (14, 39625), (16, 39700), (18, 39775),

Gene: Phishy_54 Start: 39935, Stop: 40777, Start Num: 1
Candidate Starts for Phishy_54:
(Start: 1 @39935 has 4 MA's), (Start: 2 @39944 has 1 MA's), (3, 40160), (4, 40205), (6, 40259), (7, 40268), (8, 40292), (12, 40454), (13, 40544), (14, 40568), (15, 40604), (16, 40643), (17, 40655), (18, 40718),

Gene: Vordorf_52 Start: 38235, Stop: 39068, Start Num: 2
Candidate Starts for Vordorf_52:
(Start: 1 @38226 has 4 MA's), (Start: 2 @38235 has 1 MA's), (3, 38451), (4, 38496), (6, 38550), (8, 38583), (10, 38646), (12, 38745), (13, 38835), (14, 38859), (15, 38895), (16, 38934), (18, 39009),