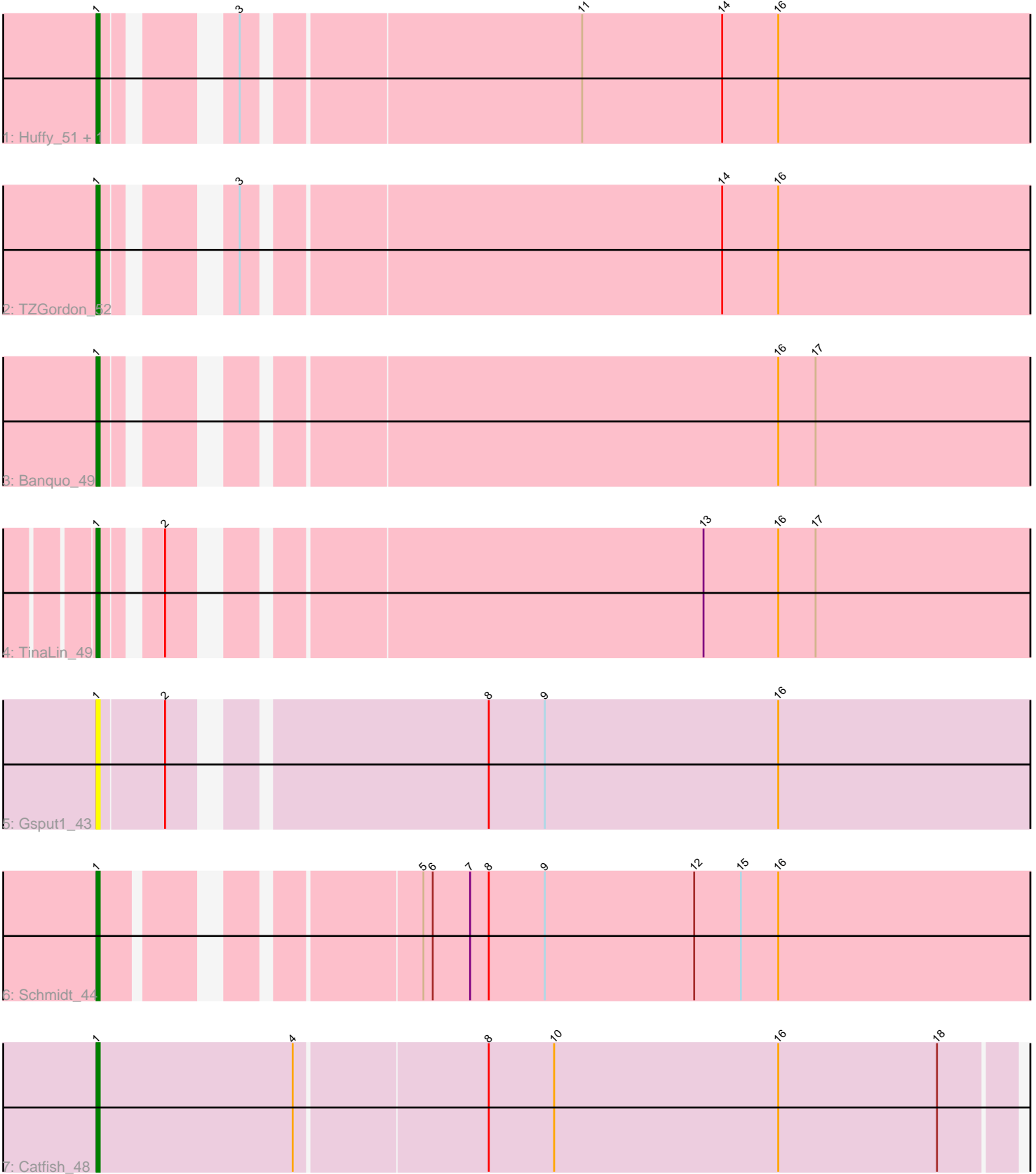# Pham 87820

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 87820 Report

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

Pham number 87820 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Huffy_51, DinoDaryn_51
• Track 2 : TZGordon_52
• Track 3 : Banquo_49
• Track 4 : TinaLin_49
• Track 5 : Gsput1_43
• Track 6 : Schmidt_44
• Track 7 : Catfish_48

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Banquo_49, Catfish_48, DinoDaryn_51, Gsput1_43, Huffy_51, Schmidt_44, TZGordon_52, TinaLin_49,

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 1:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_49 (CU1), Catfish_48 (CU5), DinoDaryn_51 (CU1), Gsput1_43 (CU2), Huffy_51 (CU1), Schmidt_44 (CU4), TZGordon_52 (CU1), TinaLin_49 (CU1),

Summary by clusters:

There are 4 clusters represented in this pham: CU5, CU4, CU2, CU1,

Info for manual annotations of cluster CU1:
•Start number 1 was manually annotated 5 times for cluster CU1.

Info for manual annotations of cluster CU4:
•Start number 1 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 1 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_49 Start: 32239, Stop: 32526, Start Num: 1
Candidate Starts for Banquo_49:
(Start: 1 @32239 has 7 MA's), (16, 32434), (17, 32446),

Gene: Catfish_48 Start: 33756, Stop: 34046, Start Num: 1
Candidate Starts for Catfish_48:
(Start: 1 @33756 has 7 MA's), (4, 33819), (8, 33879), (10, 33900), (16, 33972), (18, 34023),

Gene: DinoDaryn_51 Start: 32771, Stop: 33058, Start Num: 1
Candidate Starts for DinoDaryn_51:
(Start: 1 @32771 has 7 MA's), (3, 32801), (11, 32903), (14, 32948), (16, 32966),

Gene: Gsput1_43 Start: 31851, Stop: 32147, Start Num: 1
Candidate Starts for Gsput1_43:
(Start: 1 @31851 has 7 MA's), (2, 31872), (8, 31962), (9, 31980), (16, 32055),

Gene: Huffy_51 Start: 32771, Stop: 33058, Start Num: 1
Candidate Starts for Huffy_51:
(Start: 1 @32771 has 7 MA's), (3, 32801), (11, 32903), (14, 32948), (16, 32966),

Gene: Schmidt_44 Start: 30073, Stop: 30363, Start Num: 1
Candidate Starts for Schmidt_44:
(Start: 1 @30073 has 7 MA's), (5, 30157), (6, 30160), (7, 30172), (8, 30178), (9, 30196), (12, 30244), (15, 30259), (16, 30271),

Gene: TZGordon_52 Start: 32677, Stop: 32964, Start Num: 1
Candidate Starts for TZGordon_52:
(Start: 1 @32677 has 7 MA's), (3, 32707), (14, 32854), (16, 32872),

Gene: TinaLin_49 Start: 32133, Stop: 32420, Start Num: 1
Candidate Starts for TinaLin_49:
(Start: 1 @32133 has 7 MA's), (2, 32148), (13, 32304), (16, 32328), (17, 32340),