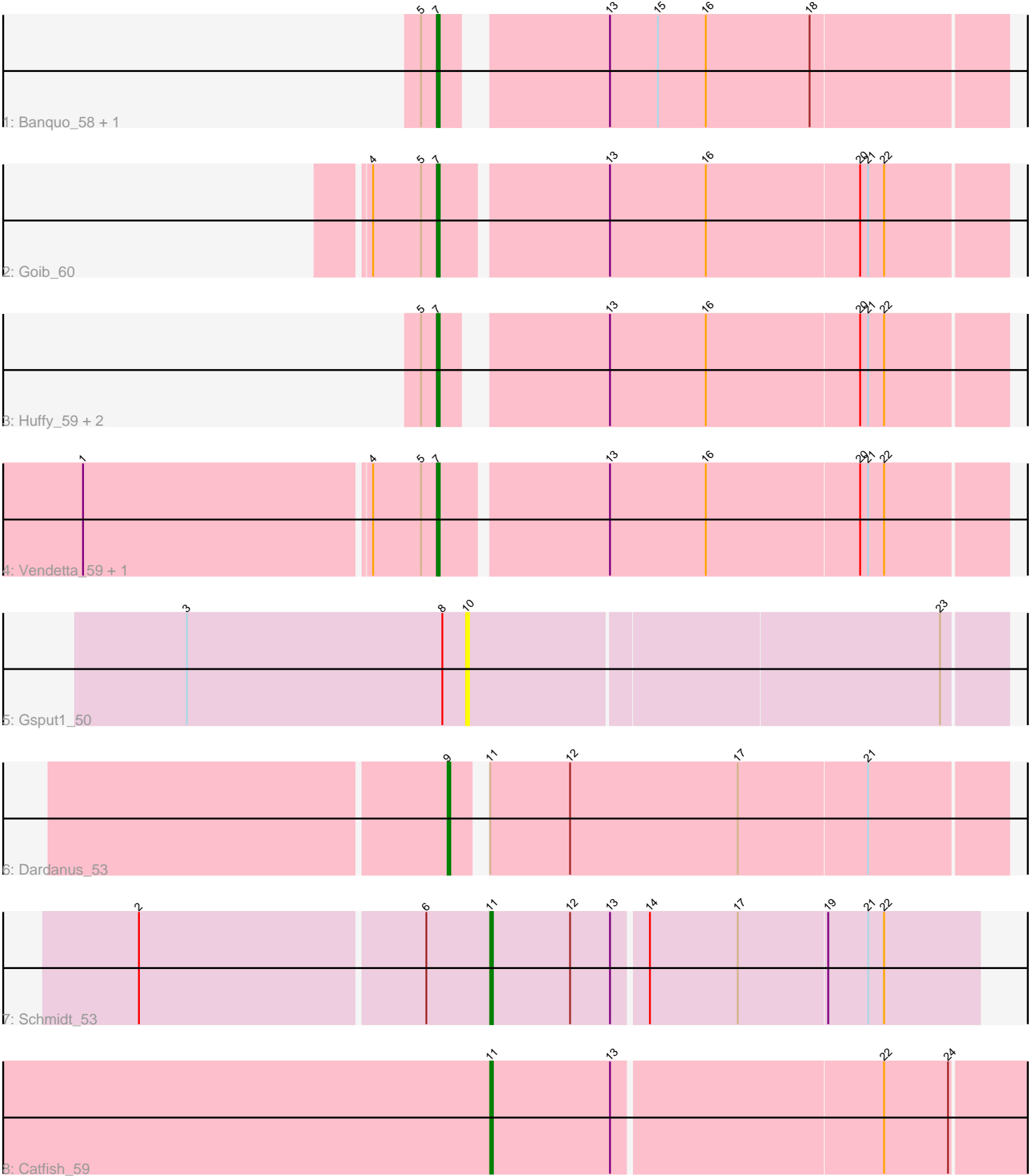


Pham 87217



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 87217 Report

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

Pham number 87217 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Banquo_58, TinaLin_58
- Track 2 : Goib_60
- Track 3 : Huff_59, TZGordon_60, DinoDaryn_59
- Track 4 : Vendetta_59, Splinter_59
- Track 5 : Gspu1_50
- Track 6 : Dardanus_53
- Track 7 : Schmidt_53
- Track 8 : Catfish_59

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Banquo_58, DinoDaryn_59, Goib_60, Huff_59, Splinter_59, TZGordon_60, TinaLin_58, Vendetta_59,

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

-

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

- Catfish_59, Dardanus_53, Gspu1_50, Schmidt_53,

Summary by start number:

Start 7:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 8 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_58 (CU1), DinoDaryn_59 (CU1), Goib_60 (CU1), Huff_59 (CU1), Splinter_59 (CU1), TZGordon_60 (CU1), TinaLin_58 (CU1), Vendetta_59 (CU1),

Start 9:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dardanus_53 (CU3),

Start 10:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gsput1_50 (CU2),

Start 11:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Catfish_59 (CU5), Schmidt_53 (CU4),

Summary by clusters:

There are 5 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1,

Info for manual annotations of cluster CU1:

- Start number 7 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 9 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 11 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 11 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_58 Start: 37597, Stop: 37797, Start Num: 7

Candidate Starts for Banquo_58:

(5, 37591), (Start: 7 @37597 has 8 MA's), (13, 37651), (15, 37669), (16, 37687), (18, 37726),

Gene: Catfish_59 Start: 39632, Stop: 39835, Start Num: 11

Candidate Starts for Catfish_59:

(Start: 11 @39632 has 2 MA's), (13, 39677), (22, 39776), (24, 39800),

Gene: Dardanus_53 Start: 35854, Stop: 36054, Start Num: 9

Candidate Starts for Dardanus_53:

(Start: 9 @35854 has 1 MA's), (Start: 11 @35863 has 2 MA's), (12, 35893), (17, 35956), (21, 36004),

Gene: DinoDaryn_59 Start: 37682, Stop: 37882, Start Num: 7

Candidate Starts for DinoDaryn_59:

(5, 37676), (Start: 7 @37682 has 8 MA's), (13, 37736), (16, 37772), (20, 37829), (21, 37832), (22, 37838),

Gene: Goib_60 Start: 38792, Stop: 38998, Start Num: 7

Candidate Starts for Goib_60:

(4, 38768), (5, 38786), (Start: 7 @38792 has 8 MA's), (13, 38852), (16, 38888), (20, 38945), (21, 38948), (22, 38954),

Gene: Gspu1_50 Start: 35671, Stop: 35868, Start Num: 10

Candidate Starts for Gspu1_50:

(3, 35566), (8, 35662), (10, 35671), (23, 35845),

Gene: Huff_59 Start: 37682, Stop: 37882, Start Num: 7

Candidate Starts for Huff_59:

(5, 37676), (Start: 7 @37682 has 8 MA's), (13, 37736), (16, 37772), (20, 37829), (21, 37832), (22, 37838),

Gene: Schmidt_53 Start: 35312, Stop: 35491, Start Num: 11

Candidate Starts for Schmidt_53:

(2, 35183), (6, 35288), (Start: 11 @35312 has 2 MA's), (12, 35342), (13, 35357), (14, 35369), (17, 35402), (19, 35435), (21, 35450), (22, 35456),

Gene: Splinter_59 Start: 38763, Stop: 38969, Start Num: 7

Candidate Starts for Splinter_59:

(1, 38634), (4, 38739), (5, 38757), (Start: 7 @38763 has 8 MA's), (13, 38823), (16, 38859), (20, 38916), (21, 38919), (22, 38925),

Gene: TZGordon_60 Start: 37658, Stop: 37858, Start Num: 7

Candidate Starts for TZGordon_60:

(5, 37652), (Start: 7 @37658 has 8 MA's), (13, 37712), (16, 37748), (20, 37805), (21, 37808), (22, 37814),

Gene: TinaLin_58 Start: 37521, Stop: 37721, Start Num: 7

Candidate Starts for TinaLin_58:

(5, 37515), (Start: 7 @37521 has 8 MA's), (13, 37575), (15, 37593), (16, 37611), (18, 37650),

Gene: Vendetta_59 Start: 38763, Stop: 38969, Start Num: 7

Candidate Starts for Vendetta_59:

(1, 38634), (4, 38739), (5, 38757), (Start: 7 @38763 has 8 MA's), (13, 38823), (16, 38859), (20, 38916), (21, 38919), (22, 38925),