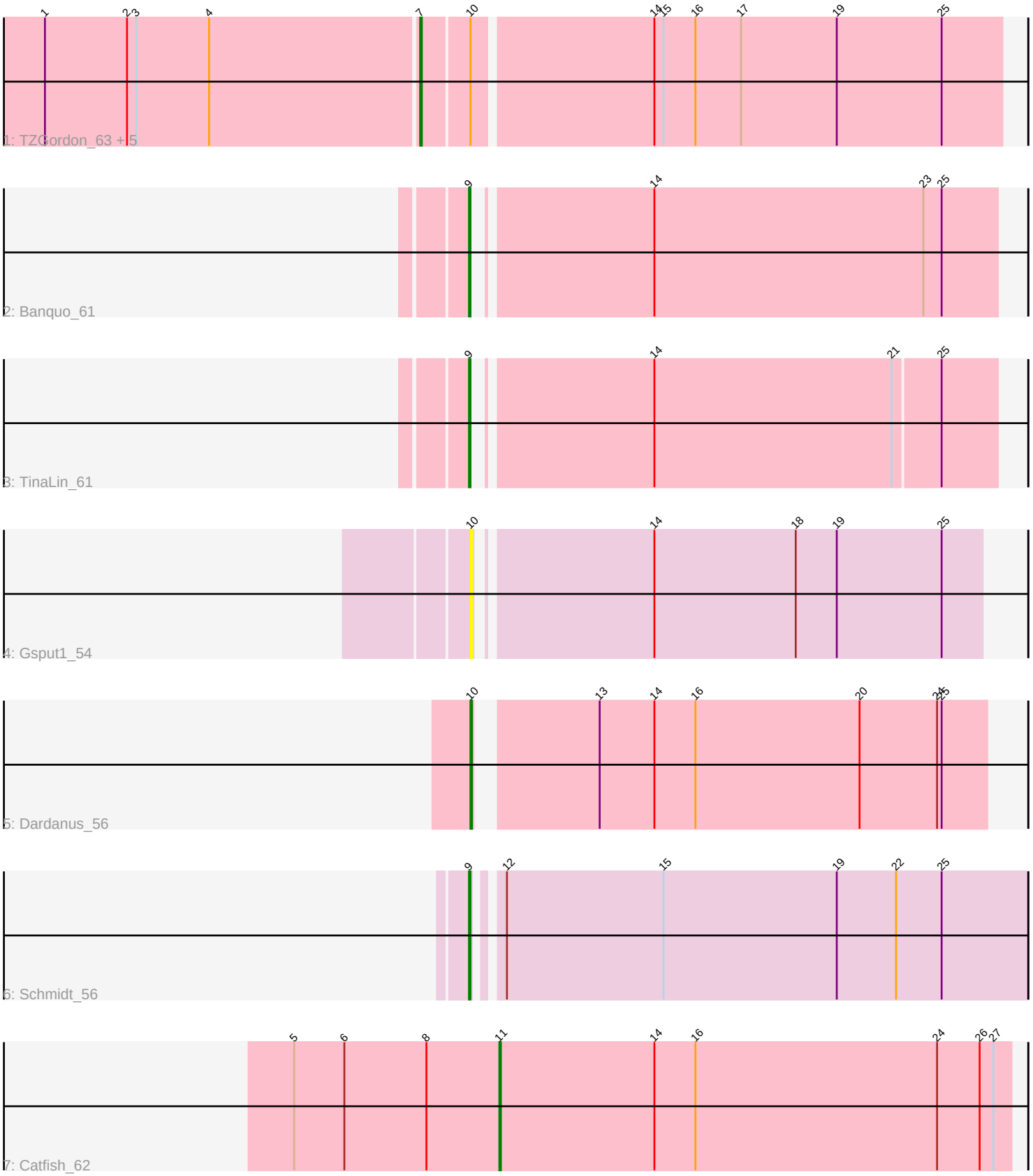
Pham 5194


1
2
3
4
7
10
14
15
16
17
19
25
1: TZGordon_63 + 5
9
14
23
25
2: Banquo_61
9
14
21
25
3: TinaLin_61
10
14
18
19
25
4: Gsput1_54
10
13
14
16
20
24
25
5: Dardanus_56
9
12
15
19
22
25
6: Schmidt_56
5
6
8
11
14
16
24
26
27
7: Catfish_62

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 5194 Report

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

Pham number 5194 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : TZGordon_63, Vendetta_62, Huffy_62, Splinter_62, Goib_63, DinoDaryn_62
• Track 2 : Banquo_61
• Track 3 : TinaLin_61
• Track 4 : Gsput1_54
• Track 5 : Dardanus_56
• Track 6 : Schmidt_56
• Track 7 : Catfish_62

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 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DinoDaryn_62, Goib_63, Huffy_62, Splinter_62, TZGordon_63, Vendetta_62,

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

Genes that do not have the "Most Annotated" start:
• Banquo_61, Catfish_62, Dardanus_56, Gsput1_54, Schmidt_56, TinaLin_61,

Summary by start number:

Start 7:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DinoDaryn_62 (CU1), Goib_63 (CU1), Huffy_62 (CU1), Splinter_62 (CU1), TZGordon_63 (CU1), Vendetta_62 (CU1),

Start 9:
• Found in 3 of 12 (25.0%) of genes in pham

• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_61 (CU1), Schmidt_56 (CU4), TinaLin_61 (CU1),

Start 10:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Dardanus_56 (CU3), Gsput1_54 (CU2),

Start 11:
• 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: Catfish_62 (CU5),

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 6 times for cluster CU1.
•Start number 9 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 10 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 9 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_61 Start: 38579, Stop: 38908, Start Num: 9
Candidate Starts for Banquo_61:
(Start: 9 @38579 has 3 MA's), (14, 38684), (23, 38861), (25, 38873),

Gene: Catfish_62 Start: 40601, Stop: 40936, Start Num: 11
Candidate Starts for Catfish_62:
(5, 40466), (6, 40499), (8, 40553), (Start: 11 @40601 has 1 MA's), (14, 40703), (16, 40730), (24, 40889), (26, 40916), (27, 40925),

Gene: Dardanus_56 Start: 36839, Stop: 37162, Start Num: 10
Candidate Starts for Dardanus_56:
(Start: 10 @36839 has 1 MA's), (13, 36908), (14, 36944), (16, 36971), (20, 37079), (24, 37130), (25, 37133),

Gene: DinoDaryn_62 Start: 38634, Stop: 39005, Start Num: 7
Candidate Starts for DinoDaryn_62:
(1, 38391), (2, 38445), (3, 38451), (4, 38499), (Start: 7 @38634 has 6 MA's), (Start: 10 @38664 has 1 MA's), (14, 38778), (15, 38784), (16, 38805), (17, 38835), (19, 38898), (25, 38967),

Gene: Goib_63 Start: 39750, Stop: 40121, Start Num: 7
Candidate Starts for Goib_63:
(1, 39507), (2, 39561), (3, 39567), (4, 39615), (Start: 7 @39750 has 6 MA's), (Start: 10 @39780 has 1 MA's), (14, 39894), (15, 39900), (16, 39921), (17, 39951), (19, 40014), (25, 40083),

Gene: Gsput1_54 Start: 37265, Stop: 37585, Start Num: 10
Candidate Starts for Gsput1_54:
(Start: 10 @37265 has 1 MA's), (14, 37370), (18, 37463), (19, 37490), (25, 37559),

Gene: Huffy_62 Start: 38634, Stop: 39005, Start Num: 7
Candidate Starts for Huffy_62:
(1, 38391), (2, 38445), (3, 38451), (4, 38499), (Start: 7 @38634 has 6 MA's), (Start: 10 @38664 has 1 MA's), (14, 38778), (15, 38784), (16, 38805), (17, 38835), (19, 38898), (25, 38967),

Gene: Schmidt_56 Start: 36267, Stop: 36620, Start Num: 9
Candidate Starts for Schmidt_56:
(Start: 9 @36267 has 3 MA's), (12, 36279), (15, 36381), (19, 36495), (22, 36534), (25, 36564),

Gene: Splinter_62 Start: 39721, Stop: 40083, Start Num: 7
Candidate Starts for Splinter_62:
(1, 39478), (2, 39532), (3, 39538), (4, 39586), (Start: 7 @39721 has 6 MA's), (Start: 10 @39751 has 1 MA's), (14, 39865), (15, 39871), (16, 39892), (17, 39922), (19, 39985), (25, 40054),

Gene: TZGordon_63 Start: 38610, Stop: 38981, Start Num: 7
Candidate Starts for TZGordon_63:
(1, 38367), (2, 38421), (3, 38427), (4, 38475), (Start: 7 @38610 has 6 MA's), (Start: 10 @38640 has 1 MA's), (14, 38754), (15, 38760), (16, 38781), (17, 38811), (19, 38874), (25, 38943),

Gene: TinaLin_61 Start: 38502, Stop: 38828, Start Num: 9
Candidate Starts for TinaLin_61:
(Start: 9 @38502 has 3 MA's), (14, 38607), (21, 38763), (25, 38793),

Gene: Vendetta_62 Start: 39721, Stop: 40083, Start Num: 7
Candidate Starts for Vendetta_62:
(1, 39478), (2, 39532), (3, 39538), (4, 39586), (Start: 7 @39721 has 6 MA's), (Start: 10 @39751 has 1 MA's), (14, 39865), (15, 39871), (16, 39892), (17, 39922), (19, 39985), (25, 40054),