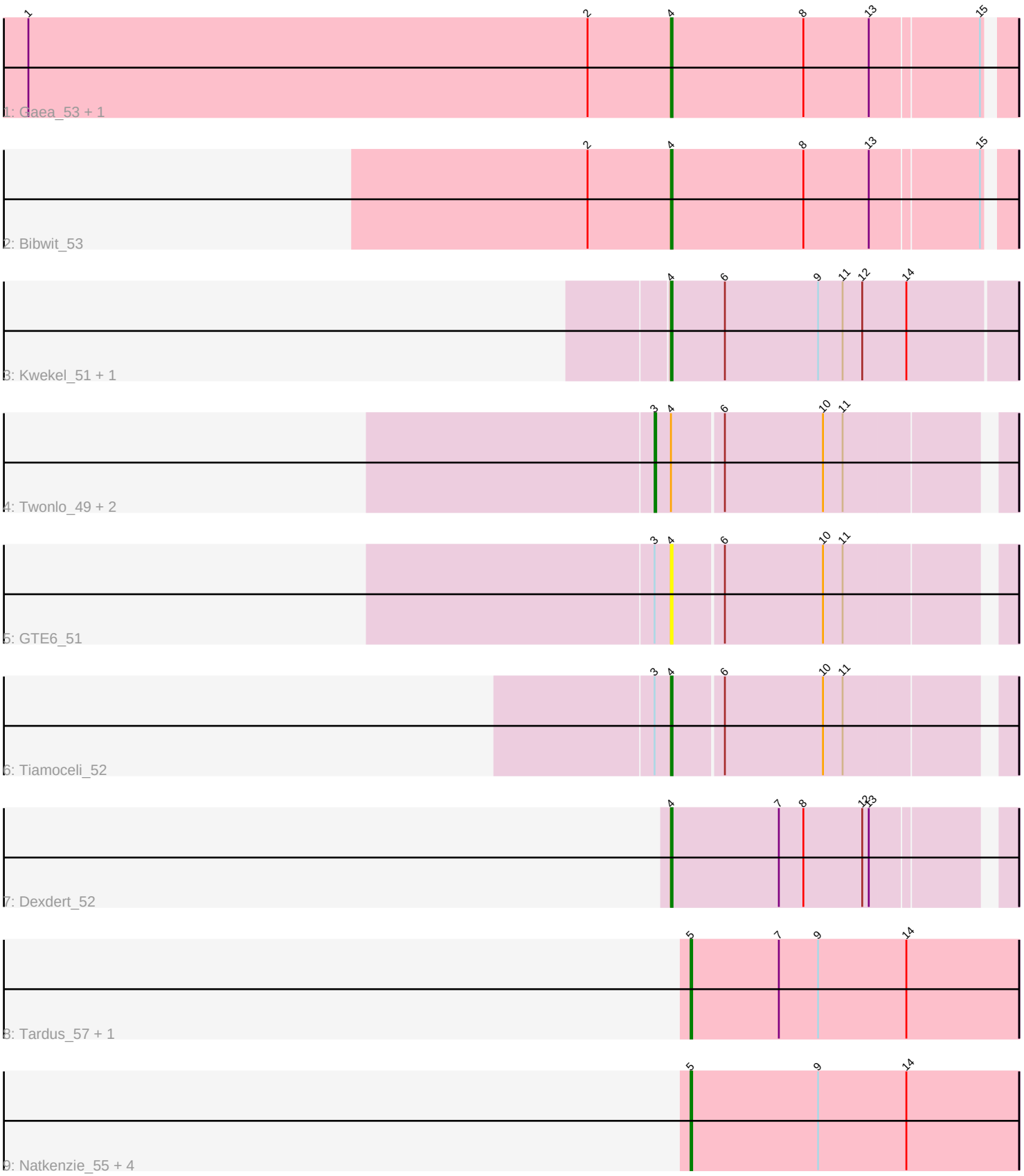
Pham 291605


1
2
4
8
13
15
1: Gaea_53 + 1
2
4
8
13
15
2: Bibwit_53
4
6
9
11
12
14
3: Kwekel_51 + 1
3
4
6
10
11
4: Twonlo_49 + 2
3
4
6
10
11
5: GTE6_51
3
4
6
10
11
6: Tiamoceli_52
4
7
8
12
13
7: Dexdert_52
5
7
9
14
8: Tardus_57 + 1
5
9
14
9: Natkenzie_55 + 4

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 291605 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291605 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Gaea_53, Ashertheman_54
• Track 2 : Bibwit_53
• Track 3 : Kwekel_51, Chickadee_51
• Track 4 : Twonlo_49, RoadKill_49, EdmundFerry_50
• Track 5 : GTE6_51
• Track 6 : Tiamoceli_52
• Track 7 : Dexdert_52
• Track 8 : Tardus_57, ViaConlectus_55
• Track 9 : Natkenzie_55, APunk_56, Sampson_55, Abblin_55, Scioto_56

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashertheman_54, Bibwit_53, Chickadee_51, Dexdert_52, GTE6_51, Gaea_53, Kwekel_51, Tiamoceli_52,

Genes that have the "Most Annotated" start but do not call it:
• EdmundFerry_50, RoadKill_49, Twonlo_49,

Genes that do not have the "Most Annotated" start:
• APunk_56, Abblin_55, Natkenzie_55, Sampson_55, Scioto_56, Tardus_57, ViaConlectus_55,

Summary by start number:

Start 3:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 60.0% of time when present
• Phage (with cluster) where this start called: EdmundFerry_50 (DE3), RoadKill_49 (DE3), Twonlo_49 (DE3),

Start 4:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 7 of 14
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Ashertheman_54 (DE1), Bibwit_53 (DE1), Chickadee_51 (DE3), Dexdert_52 (DE3), GTE6_51 (DE3), Gaea_53 (DE1), Kwekel_51 (DE3), Tiamoceli_52 (DE3),

Start 5:
• Found in 7 of 18 (38.9%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_56 (DE4), Abblin_55 (DE4), Natkenzie_55 (DE4), Sampson_55 (DE4), Scioto_56 (DE4), Tardus_57 (DE4), ViaConlectus_55 (DE4),

Summary by clusters:

There are 3 clusters represented in this pham: DE1, DE3, DE4,

Info for manual annotations of cluster DE1:
•Start number 4 was manually annotated 3 times for cluster DE1.

Info for manual annotations of cluster DE3:
•Start number 3 was manually annotated 3 times for cluster DE3.
•Start number 4 was manually annotated 4 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 5 was manually annotated 4 times for cluster DE4.

Gene Information:

Gene: APunk_56 Start: 45016, Stop: 45216, Start Num: 5
Candidate Starts for APunk_56:
(Start: 5 @45016 has 4 MA's), (9, 45094), (14, 45148),

Gene: Abblin_55 Start: 45502, Stop: 45702, Start Num: 5
Candidate Starts for Abblin_55:
(Start: 5 @45502 has 4 MA's), (9, 45580), (14, 45634),

Gene: Ashertheman_54 Start: 44467, Stop: 44664, Start Num: 4
Candidate Starts for Ashertheman_54:
(1, 44074), (2, 44416), (Start: 4 @44467 has 7 MA's), (8, 44548), (13, 44587), (15, 44650),

Gene: Bibwit_53 Start: 43981, Stop: 44178, Start Num: 4
Candidate Starts for Bibwit_53:
(2, 43930), (Start: 4 @43981 has 7 MA's), (8, 44062), (13, 44101), (15, 44164),

Gene: Chickadee_51 Start: 41286, Stop: 41495, Start Num: 4
Candidate Starts for Chickadee_51:

(Start: 4 @41286 has 7 MA's), (6, 41319), (9, 41376), (11, 41391), (12, 41403), (14, 41430),

Gene: Dexdert_52 Start: 41572, Stop: 41766, Start Num: 4
Candidate Starts for Dexdert_52:
(Start: 4 @41572 has 7 MA's), (7, 41638), (8, 41653), (12, 41689), (13, 41692),

Gene: EdmundFerry_50 Start: 41346, Stop: 41549, Start Num: 3
Candidate Starts for EdmundFerry_50:
(Start: 3 @41346 has 3 MA's), (Start: 4 @41355 has 7 MA's), (6, 41385), (10, 41445), (11, 41457),

Gene: GTE6_51 Start: 41823, Stop: 42017, Start Num: 4
Candidate Starts for GTE6_51:
(Start: 3 @41814 has 3 MA's), (Start: 4 @41823 has 7 MA's), (6, 41853), (10, 41913), (11, 41925),

Gene: Gaea_53 Start: 43767, Stop: 43964, Start Num: 4
Candidate Starts for Gaea_53:
(1, 43374), (2, 43716), (Start: 4 @43767 has 7 MA's), (8, 43848), (13, 43887), (15, 43950),

Gene: Kwekel_51 Start: 41247, Stop: 41456, Start Num: 4
Candidate Starts for Kwekel_51:
(Start: 4 @41247 has 7 MA's), (6, 41280), (9, 41337), (11, 41352), (12, 41364), (14, 41391),

Gene: Natkenzie_55 Start: 45502, Stop: 45702, Start Num: 5
Candidate Starts for Natkenzie_55:
(Start: 5 @45502 has 4 MA's), (9, 45580), (14, 45634),

Gene: RoadKill_49 Start: 40844, Stop: 41047, Start Num: 3
Candidate Starts for RoadKill_49:
(Start: 3 @40844 has 3 MA's), (Start: 4 @40853 has 7 MA's), (6, 40883), (10, 40943), (11, 40955),

Gene: Sampson_55 Start: 45447, Stop: 45647, Start Num: 5
Candidate Starts for Sampson_55:
(Start: 5 @45447 has 4 MA's), (9, 45525), (14, 45579),

Gene: Scioto_56 Start: 45503, Stop: 45703, Start Num: 5
Candidate Starts for Scioto_56:
(Start: 5 @45503 has 4 MA's), (9, 45581), (14, 45635),

Gene: Tardus_57 Start: 45204, Stop: 45404, Start Num: 5
Candidate Starts for Tardus_57:
(Start: 5 @45204 has 4 MA's), (7, 45258), (9, 45282), (14, 45336),

Gene: Tiamoceli_52 Start: 42144, Stop: 42338, Start Num: 4
Candidate Starts for Tiamoceli_52:
(Start: 3 @42135 has 3 MA's), (Start: 4 @42144 has 7 MA's), (6, 42174), (10, 42234), (11, 42246),

Gene: Twonlo_49 Start: 40765, Stop: 40968, Start Num: 3
Candidate Starts for Twonlo_49:
(Start: 3 @40765 has 3 MA's), (Start: 4 @40774 has 7 MA's), (6, 40804), (10, 40864), (11, 40876),

Gene: ViaConlectus_55 Start: 44156, Stop: 44356, Start Num: 5
Candidate Starts for ViaConlectus_55:
(Start: 5 @44156 has 4 MA's), (7, 44210), (9, 44234), (14, 44288),