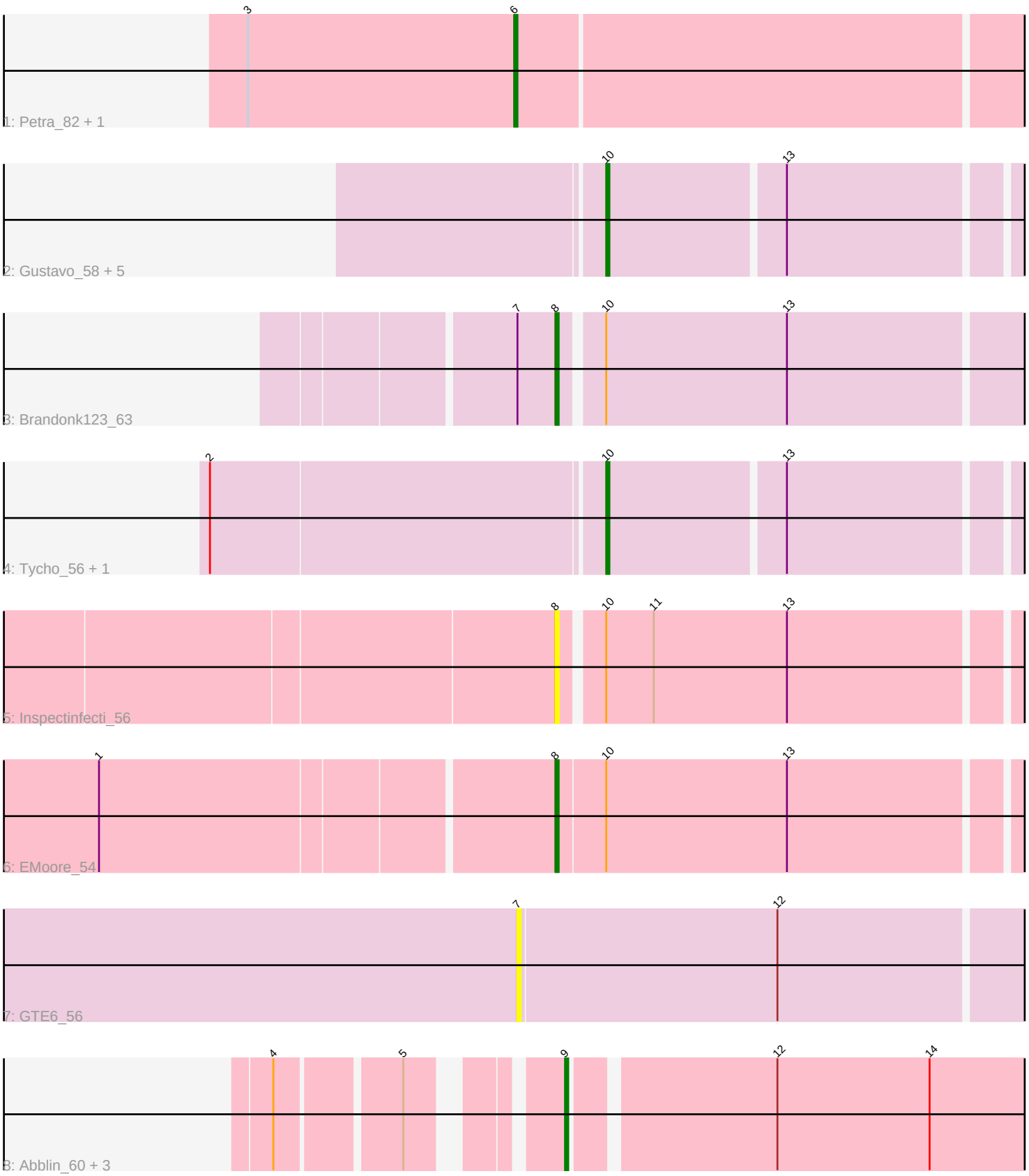
Pham 87235


3
6
1: Petra_82 + 1
10
13
2: Gustavo_58 + 5
7
8
10
13
3: Brandonk123_63
2
10
13
4: Tycho_56 + 1
8
10
11
13
5: Inspectinfecti_56
1
8
10
13
6: EMoore_54
7
12
7: GTE6_56
4
5
9
12
14
8: Abblin_60 + 3

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 87235 Report

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

Pham number 87235 has 18 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Petra_82, Walrus_75
• Track 2 : Gustavo_58, SchottB_55, StorminNorm_56, Tangerine_57, YorkOnyx_59, Saronaya_58
• Track 3 : Brandonk123_63
• Track 4 : Tycho_56, Gaea_58
• Track 5 : Inspectinfecti_56
• Track 6 : EMoore_54
• Track 7 : GTE6_56
• Track 8 : Abblin_60, Scioto_60, Sampson_60, Natkenzie_60

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

The start number called the most often in the published annotations is 10, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gaea_58, Gustavo_58, Saronaya_58, SchottB_55, StorminNorm_56, Tangerine_57, Tycho_56, YorkOnyx_59,

Genes that have the "Most Annotated" start but do not call it:
• Brandonk123_63, EMoore_54, Inspectinfecti_56,

Genes that do not have the "Most Annotated" start:
• Abblin_60, GTE6_56, Natkenzie_60, Petra_82, Sampson_60, Scioto_60, Walrus_75,

Summary by start number:

Start 6:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Petra_82 (CV), Walrus_75 (CV),

Start 7:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: GTE6_56 (DE3),

Start 8:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brandonk123_63 (DE1), EMoore_54 (DE2), Inspectinfecti_56 (DE2),

Start 9:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abblin_60 (DE4), Natkenzie_60 (DE4), Sampson_60 (DE4), Scioto_60 (DE4),

Start 10:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Gaea_58 (DE1), Gustavo_58 (DE1), Saronaya_58 (DE1), SchottB_55 (DE1), StorminNorm_56 (DE1), Tangerine_57 (DE1), Tycho_56 (DE1), YorkOnyx_59 (DE1),

Summary by clusters:

There are 5 clusters represented in this pham: DE1, DE2, DE3, DE4, CV,

Info for manual annotations of cluster CV:
•Start number 6 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster DE1:
•Start number 8 was manually annotated 1 time for cluster DE1.
•Start number 10 was manually annotated 5 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 8 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DE4:
•Start number 9 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Abblin_60 Start: 47773, Stop: 47916, Start Num: 9
Candidate Starts for Abblin_60:
(4, 47701), (5, 47737), (Start: 9 @47773 has 1 MA's), (12, 47833), (14, 47881),

Gene: Brandonk123_63 Start: 48116, Stop: 48262, Start Num: 8
Candidate Starts for Brandonk123_63:
(7, 48104), (Start: 8 @48116 has 2 MA's), (Start: 10 @48128 has 5 MA's), (13, 48185),

Gene: EMoore_54 Start: 46678, Stop: 46824, Start Num: 8
Candidate Starts for EMoore_54:
(1, 46540), (Start: 8 @46678 has 2 MA's), (Start: 10 @46693 has 5 MA's), (13, 46750),

Gene: GTE6_56 Start: 43844, Stop: 44005, Start Num: 7
Candidate Starts for GTE6_56:
(7, 43844), (12, 43925),

Gene: Gaea_58 Start: 46411, Stop: 46539, Start Num: 10
Candidate Starts for Gaea_58:
(2, 46291), (Start: 10 @46411 has 5 MA's), (13, 46465),

Gene: Gustavo_58 Start: 46922, Stop: 47050, Start Num: 10
Candidate Starts for Gustavo_58:
(Start: 10 @46922 has 5 MA's), (13, 46976),

Gene: Inspectinfecti_56 Start: 46203, Stop: 46346, Start Num: 8
Candidate Starts for Inspectinfecti_56:
(Start: 8 @46203 has 2 MA's), (Start: 10 @46215 has 5 MA's), (11, 46230), (13, 46272),

Gene: Natkenzie_60 Start: 47773, Stop: 47916, Start Num: 9
Candidate Starts for Natkenzie_60:
(4, 47701), (5, 47737), (Start: 9 @47773 has 1 MA's), (12, 47833), (14, 47881),

Gene: Petra_82 Start: 48969, Stop: 49133, Start Num: 6
Candidate Starts for Petra_82:
(3, 48885), (Start: 6 @48969 has 2 MA's),

Gene: Sampson_60 Start: 47718, Stop: 47861, Start Num: 9
Candidate Starts for Sampson_60:
(4, 47646), (5, 47682), (Start: 9 @47718 has 1 MA's), (12, 47778), (14, 47826),

Gene: Saronaya_58 Start: 46922, Stop: 47050, Start Num: 10
Candidate Starts for Saronaya_58:
(Start: 10 @46922 has 5 MA's), (13, 46976),

Gene: SchottB_55 Start: 47114, Stop: 47242, Start Num: 10
Candidate Starts for SchottB_55:
(Start: 10 @47114 has 5 MA's), (13, 47168),

Gene: Scioto_60 Start: 47774, Stop: 47917, Start Num: 9
Candidate Starts for Scioto_60:
(4, 47702), (5, 47738), (Start: 9 @47774 has 1 MA's), (12, 47834), (14, 47882),

Gene: StorminNorm_56 Start: 46561, Stop: 46692, Start Num: 10
Candidate Starts for StorminNorm_56:
(Start: 10 @46561 has 5 MA's), (13, 46618),

Gene: Tangerine_57 Start: 46324, Stop: 46452, Start Num: 10
Candidate Starts for Tangerine_57:
(Start: 10 @46324 has 5 MA's), (13, 46378),

Gene: Tycho_56 Start: 46270, Stop: 46398, Start Num: 10
Candidate Starts for Tycho_56:
(2, 46150), (Start: 10 @46270 has 5 MA's), (13, 46324),

Gene: Walrus_75 Start: 47830, Stop: 47994, Start Num: 6
Candidate Starts for Walrus_75:
(3, 47746), (Start: 6 @47830 has 2 MA's),

Gene: YorkOnyx_59 Start: 47029, Stop: 47160, Start Num: 10
Candidate Starts for YorkOnyx_59:
(Start: 10 @47029 has 5 MA's), (13, 47086),