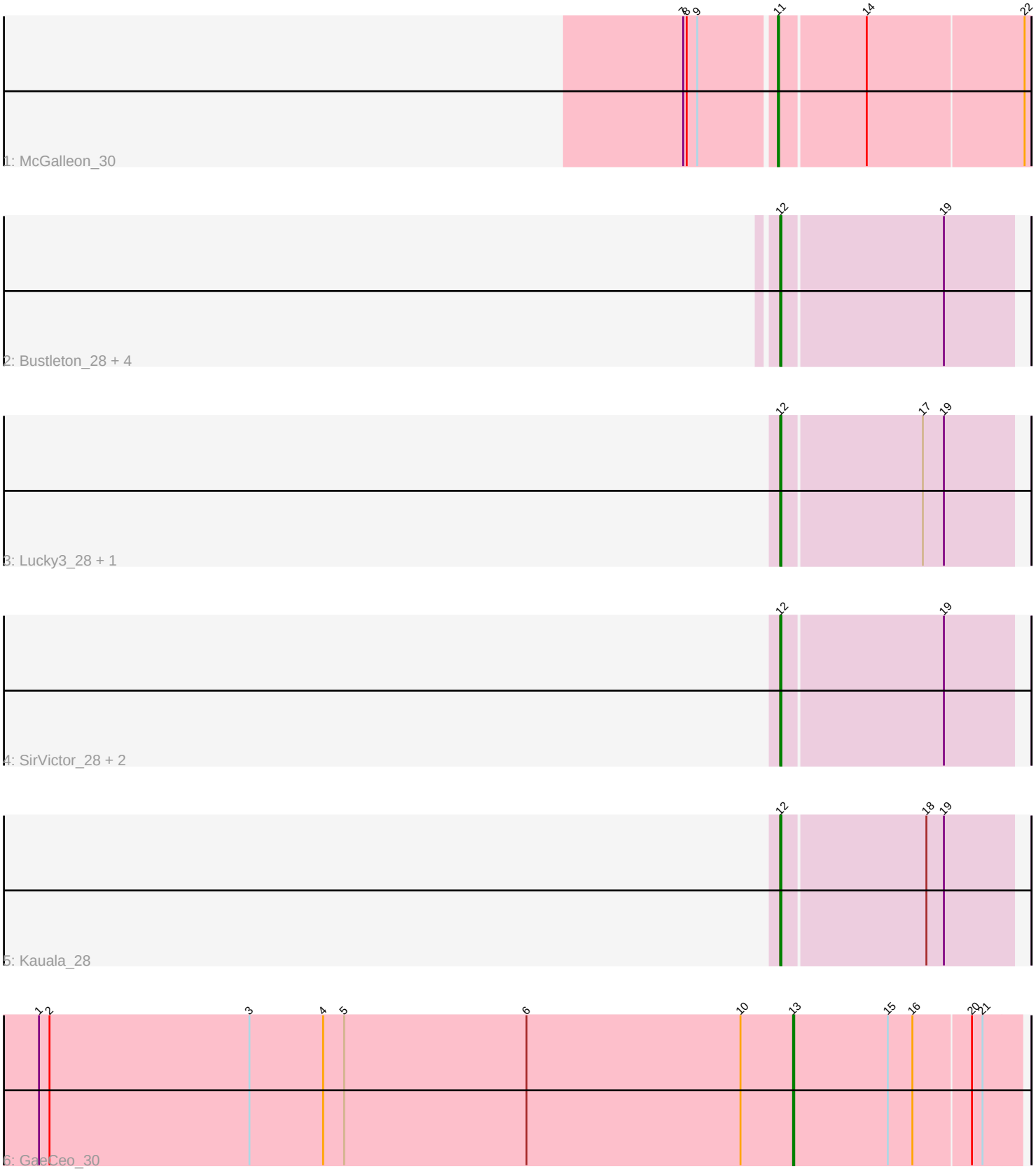
Pham 5734


8
9
11
14
22
1: McGalleon_30
12
19
2: Bustleton_28 + 4
12
17
19
3: Lucky3_28 + 1
12
19
4: SirVictor_28 + 2
12
18
19
5: Kauala_28
1
2
3
4
5
6
10
13
15
16
20
21
6: GaeCeo_30

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 5734 Report

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

Pham number 5734 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : McGalleon_30
• Track 2 : Bustleton_28, Pherbot_28, Koji_28, PrincePhergus_28, Sinatra_28
• Track 3 : Lucky3_28, Golden_28
• Track 4 : SirVictor_28, Guetzie_28, BouleyBill_29
• Track 5 : Kauala_28
• Track 6 : GaeCeo_30

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

The start number called the most often in the published annotations is 12, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BouleyBill_29, Bustleton_28, Golden_28, Guetzie_28, Kauala_28, Koji_28, Lucky3_28, Pherbot_28, PrincePhergus_28, Sinatra_28, SirVictor_28,

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

Genes that do not have the "Most Annotated" start:
• GaeCeo_30, McGalleon_30,

Summary by start number:

Start 11:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: McGalleon_30 (EA1),

Start 12:
• Found in 11 of 13 (84.6%) of genes in pham
• Manual Annotations of this start: 10 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BouleyBill_29 (EA4), Bustleton_28 (EA4), Golden_28 (EA4), Guetzie_28 (EA4), Kauala_28 (EA4), Koji_28 (EA4), Lucky3_28 (EA4), Pherbot_28 (EA4), PrincePhergus_28 (EA4), Sinatra_28 (EA4), SirVictor_28 (EA4),

Start 13:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GaeCeo_30 (EA9),

Summary by clusters:

There are 3 clusters represented in this pham: EA1, EA9, EA4,

Info for manual annotations of cluster EA1:
•Start number 11 was manually annotated 1 time for cluster EA1.

Info for manual annotations of cluster EA4:
•Start number 12 was manually annotated 10 times for cluster EA4.

Info for manual annotations of cluster EA9:
•Start number 13 was manually annotated 1 time for cluster EA9.

Gene Information:

Gene: BouleyBill_29 Start: 20766, Stop: 20572, Start Num: 12
Candidate Starts for BouleyBill_29:
(Start: 12 @20766 has 10 MA's), (19, 20631),

Gene: Bustleton_28 Start: 20766, Stop: 20572, Start Num: 12
Candidate Starts for Bustleton_28:
(Start: 12 @20766 has 10 MA's), (19, 20631),

Gene: GaeCeo_30 Start: 21366, Stop: 21175, Start Num: 13
Candidate Starts for GaeCeo_30:
(1, 22011), (2, 22002), (3, 21831), (4, 21768), (5, 21750), (6, 21594), (10, 21411), (Start: 13 @21366 has 1 MA's), (15, 21285), (16, 21264), (20, 21216), (21, 21207),

Gene: Golden_28 Start: 20871, Stop: 20677, Start Num: 12
Candidate Starts for Golden_28:
(Start: 12 @20871 has 10 MA's), (17, 20754), (19, 20736),

Gene: Guetzie_28 Start: 20859, Stop: 20665, Start Num: 12
Candidate Starts for Guetzie_28:
(Start: 12 @20859 has 10 MA's), (19, 20724),

Gene: Kauala_28 Start: 20769, Stop: 20575, Start Num: 12
Candidate Starts for Kauala_28:
(Start: 12 @20769 has 10 MA's), (18, 20649), (19, 20634),

Gene: Koji_28 Start: 20895, Stop: 20701, Start Num: 12
Candidate Starts for Koji_28:
(Start: 12 @20895 has 10 MA's), (19, 20760),

Gene: Lucky3_28 Start: 20871, Stop: 20677, Start Num: 12
Candidate Starts for Lucky3_28:
(Start: 12 @20871 has 10 MA's), (17, 20754), (19, 20736),

Gene: McGalleon_30 Start: 21709, Stop: 21500, Start Num: 11
Candidate Starts for McGalleon_30:
(7, 21784), (8, 21781), (9, 21772), (Start: 11 @21709 has 1 MA's), (14, 21637), (22, 21505),

Gene: Pherbot_28 Start: 20765, Stop: 20571, Start Num: 12
Candidate Starts for Pherbot_28:
(Start: 12 @20765 has 10 MA's), (19, 20630),

Gene: PrincePhergus_28 Start: 20768, Stop: 20574, Start Num: 12
Candidate Starts for PrincePhergus_28:
(Start: 12 @20768 has 10 MA's), (19, 20633),

Gene: Sinatra_28 Start: 20765, Stop: 20571, Start Num: 12
Candidate Starts for Sinatra_28:
(Start: 12 @20765 has 10 MA's), (19, 20630),

Gene: SirVictor_28 Start: 20859, Stop: 20665, Start Num: 12
Candidate Starts for SirVictor_28:
(Start: 12 @20859 has 10 MA's), (19, 20724),