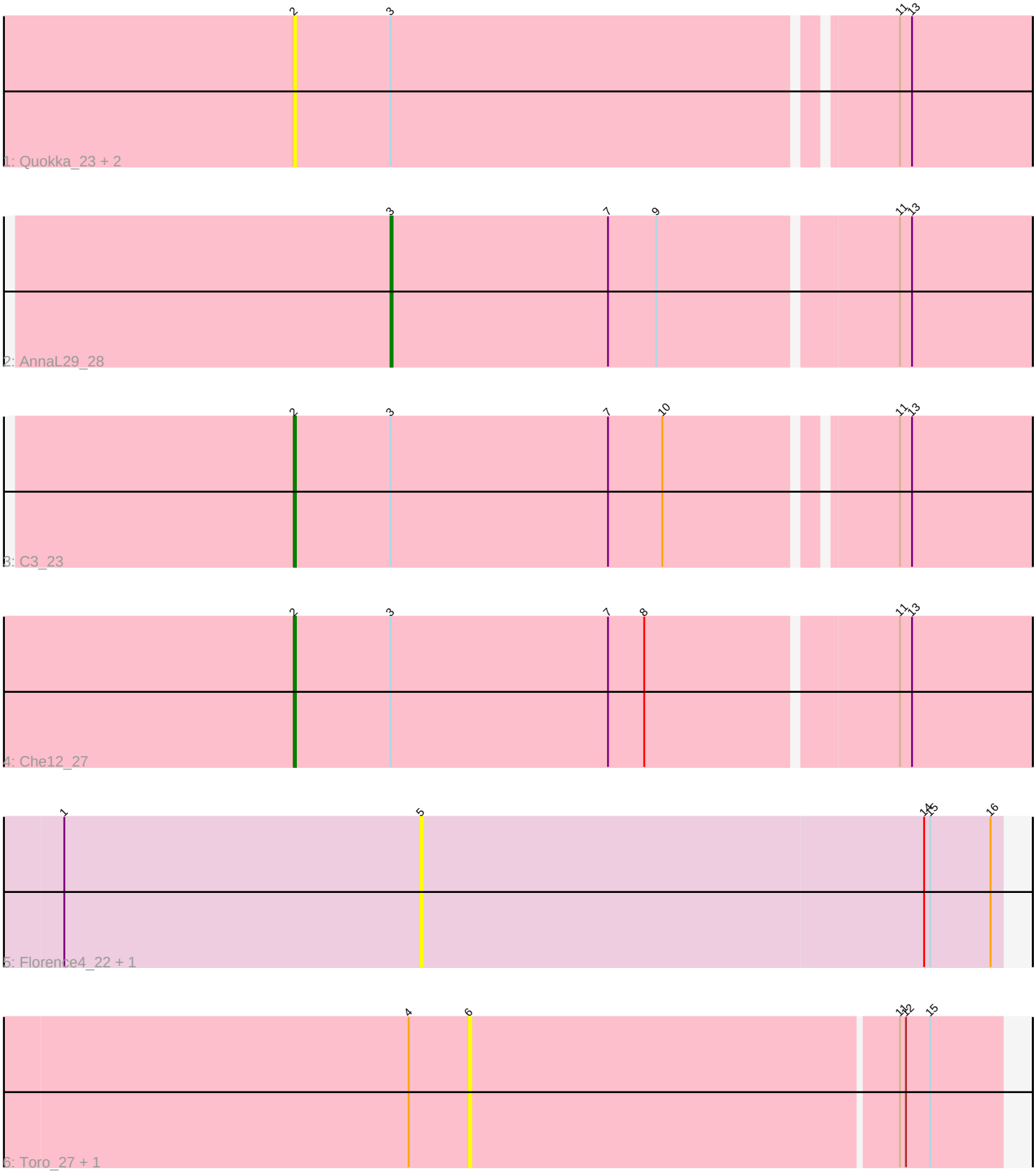
Pham 346412


2
3
11
13
1: Quokka_23 + 2
3
7
9
11
13
2: AnnaL29_28
2
3
7
10
11
13
3: C3_23
2
3
7
8
11
13
4: Che12_27
1
5
14
15
16
5: Florence4_22 + 1
4
6
12
15
6: Toro_27 + 1

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 346412 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346412 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Quokka_23, Bradman_24, MajorMajor_24
• Track 2 : AnnaL29_28
• Track 3 : C3_23
• Track 4 : Che12_27
• Track 5 : Florence4_22, Florence1_21
• Track 6 : Toro_27, FlyCatcher_28

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bradman_24, C3_23, Che12_27, MajorMajor_24, Quokka_23,

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

Genes that do not have the "Most Annotated" start:
• AnnaL29_28, Florence1_21, Florence4_22, FlyCatcher_28, Toro_27,

Summary by start number:

Start 2:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bradman_24 (A2), C3_23 (A2), Che12_27 (A2), MajorMajor_24 (A2), Quokka_23 (A2),

Start 3:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 16.7% of time when present

• Phage (with cluster) where this start called: AnnaL29_28 (A2),

Start 5:
• Found in 2 of 10 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Florence1_21 (A5), Florence4_22 (A5),

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyCatcher_28 (A7), Toro_27 (A7),

Summary by clusters:

There are 3 clusters represented in this pham: A2, A5, A7,

Info for manual annotations of cluster A2:
•Start number 2 was manually annotated 2 times for cluster A2.
•Start number 3 was manually annotated 1 time for cluster A2.

Gene Information:

Gene: AnnaL29_28 Start: 18178, Stop: 18489, Start Num: 3
Candidate Starts for AnnaL29_28:
(Start: 3 @18178 has 1 MA's), (7, 18286), (9, 18310), (11, 18424), (13, 18430),

Gene: Bradman_24 Start: 15185, Stop: 15538, Start Num: 2
Candidate Starts for Bradman_24:
(Start: 2 @15185 has 2 MA's), (Start: 3 @15233 has 1 MA's), (11, 15473), (13, 15479),

Gene: C3_23 Start: 16308, Stop: 16661, Start Num: 2
Candidate Starts for C3_23:
(Start: 2 @16308 has 2 MA's), (Start: 3 @16356 has 1 MA's), (7, 16464), (10, 16491), (11, 16596), (13, 16602),

Gene: Che12_27 Start: 15178, Stop: 15537, Start Num: 2
Candidate Starts for Che12_27:
(Start: 2 @15178 has 2 MA's), (Start: 3 @15226 has 1 MA's), (7, 15334), (8, 15352), (11, 15472), (13, 15478),

Gene: Florence1_21 Start: 14740, Stop: 15027, Start Num: 5
Candidate Starts for Florence1_21:
(1, 14563), (5, 14740), (14, 14989), (15, 14992), (16, 15022),

Gene: Florence4_22 Start: 14740, Stop: 15027, Start Num: 5
Candidate Starts for Florence4_22:
(1, 14563), (5, 14740), (14, 14989), (15, 14992), (16, 15022),

Gene: FlyCatcher_28 Start: 17296, Stop: 17556, Start Num: 6
Candidate Starts for FlyCatcher_28:
(4, 17266), (6, 17296), (11, 17506), (12, 17509), (15, 17521),

Gene: MajorMajor_24 Start: 15185, Stop: 15538, Start Num: 2
Candidate Starts for MajorMajor_24:
(Start: 2 @15185 has 2 MA's), (Start: 3 @15233 has 1 MA's), (11, 15473), (13, 15479),

Gene: Quokka_23 Start: 15185, Stop: 15538, Start Num: 2
Candidate Starts for Quokka_23:
(Start: 2 @15185 has 2 MA's), (Start: 3 @15233 has 1 MA's), (11, 15473), (13, 15479),

Gene: Toro_27 Start: 17296, Stop: 17556, Start Num: 6
Candidate Starts for Toro_27:
(4, 17266), (6, 17296), (11, 17506), (12, 17509), (15, 17521),