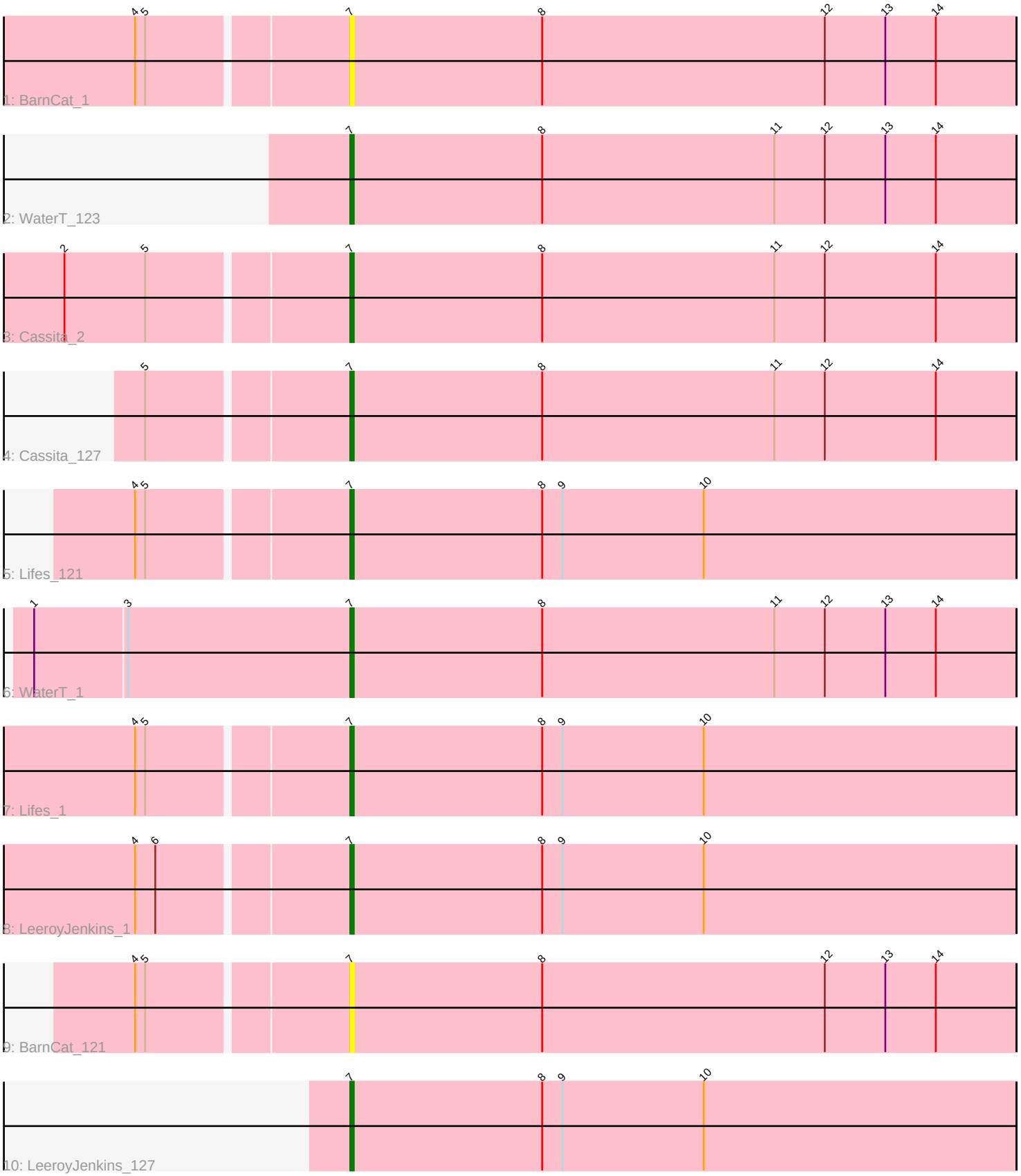
Pham 6429


4
5
7
8
12
13
14
1: BarnCat_1
7
8
11
12
13
14
2: WaterT_123
2
5
7
8
11
12
14
3: Cassita_2
5
7
8
11
12
14
4: Cassita_127
4
5
7
8
9
10
5: Lifes_121
1
3
7
8
11
12
13
14
6: WaterT_1
4
5
7
8
9
10
7: Lifes_1
4
6
7
8
9
10
8: LeeroyJenkins_1
4
5
7
8
12
13
14
9: BarnCat_121
7
8
9
10
10: LeeroyJenkins_127

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 6429 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6429 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BarnCat_1
• Track 2 : WaterT_123
• Track 3 : Cassita_2
• Track 4 : Cassita_127
• Track 5 : Lifes_121
• Track 6 : WaterT_1
• Track 7 : Lifes_1
• Track 8 : LeeroyJenkins_1
• Track 9 : BarnCat_121
• Track 10 : LeeroyJenkins_127

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarnCat_1, BarnCat_121, Cassita_127, Cassita_2, LeeroyJenkins_1, LeeroyJenkins_127, Lifes_1, Lifes_121, WaterT_1, WaterT_123,

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

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

Summary by start number:

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_1 (GB), BarnCat_121 (GB), Cassita_127 (GB), Cassita_2 (GB), LeeroyJenkins_1 (GB), LeeroyJenkins_127 (GB),

Lifes_1 (GB), Lifes_121 (GB), WaterT_1 (GB), WaterT_123 (GB),

Summary by clusters:

There is one cluster represented in this pham: GB

Info for manual annotations of cluster GB:
•Start number 7 was manually annotated 8 times for cluster GB.

Gene Information:

Gene: BarnCat_1 Start: 261, Stop: 64, Start Num: 7
Candidate Starts for BarnCat_1:
(4, 321), (5, 318), (Start: 7 @261 has 8 MA's), (8, 204), (12, 120), (13, 102), (14, 87),

Gene: BarnCat_121 Start: 60265, Stop: 60068, Start Num: 7
Candidate Starts for BarnCat_121:
(4, 60325), (5, 60322), (Start: 7 @60265 has 8 MA's), (8, 60208), (12, 60124), (13, 60106), (14, 60091),

Gene: Cassita_2 Start: 476, Stop: 279, Start Num: 7
Candidate Starts for Cassita_2:
(2, 557), (5, 533), (Start: 7 @476 has 8 MA's), (8, 419), (11, 350), (12, 335), (14, 302),

Gene: Cassita_127 Start: 60695, Stop: 60498, Start Num: 7
Candidate Starts for Cassita_127:
(5, 60752), (Start: 7 @60695 has 8 MA's), (8, 60638), (11, 60569), (12, 60554), (14, 60521),

Gene: LeeroyJenkins_1 Start: 261, Stop: 64, Start Num: 7
Candidate Starts for LeeroyJenkins_1:
(4, 321), (6, 315), (Start: 7 @261 has 8 MA's), (8, 204), (9, 198), (10, 156),

Gene: LeeroyJenkins_127 Start: 60893, Stop: 60696, Start Num: 7
Candidate Starts for LeeroyJenkins_127:
(Start: 7 @60893 has 8 MA's), (8, 60836), (9, 60830), (10, 60788),

Gene: Lifes_121 Start: 57984, Stop: 57787, Start Num: 7
Candidate Starts for Lifes_121:
(4, 58044), (5, 58041), (Start: 7 @57984 has 8 MA's), (8, 57927), (9, 57921), (10, 57879),

Gene: Lifes_1 Start: 261, Stop: 64, Start Num: 7
Candidate Starts for Lifes_1:
(4, 321), (5, 318), (Start: 7 @261 has 8 MA's), (8, 204), (9, 198), (10, 156),

Gene: WaterT_123 Start: 59796, Stop: 59599, Start Num: 7
Candidate Starts for WaterT_123:
(Start: 7 @59796 has 8 MA's), (8, 59739), (11, 59670), (12, 59655), (13, 59637), (14, 59622),

Gene: WaterT_1 Start: 251, Stop: 54, Start Num: 7
Candidate Starts for WaterT_1:
(1, 344), (3, 317), (Start: 7 @251 has 8 MA's), (8, 194), (11, 125), (12, 110), (13, 92), (14, 77),