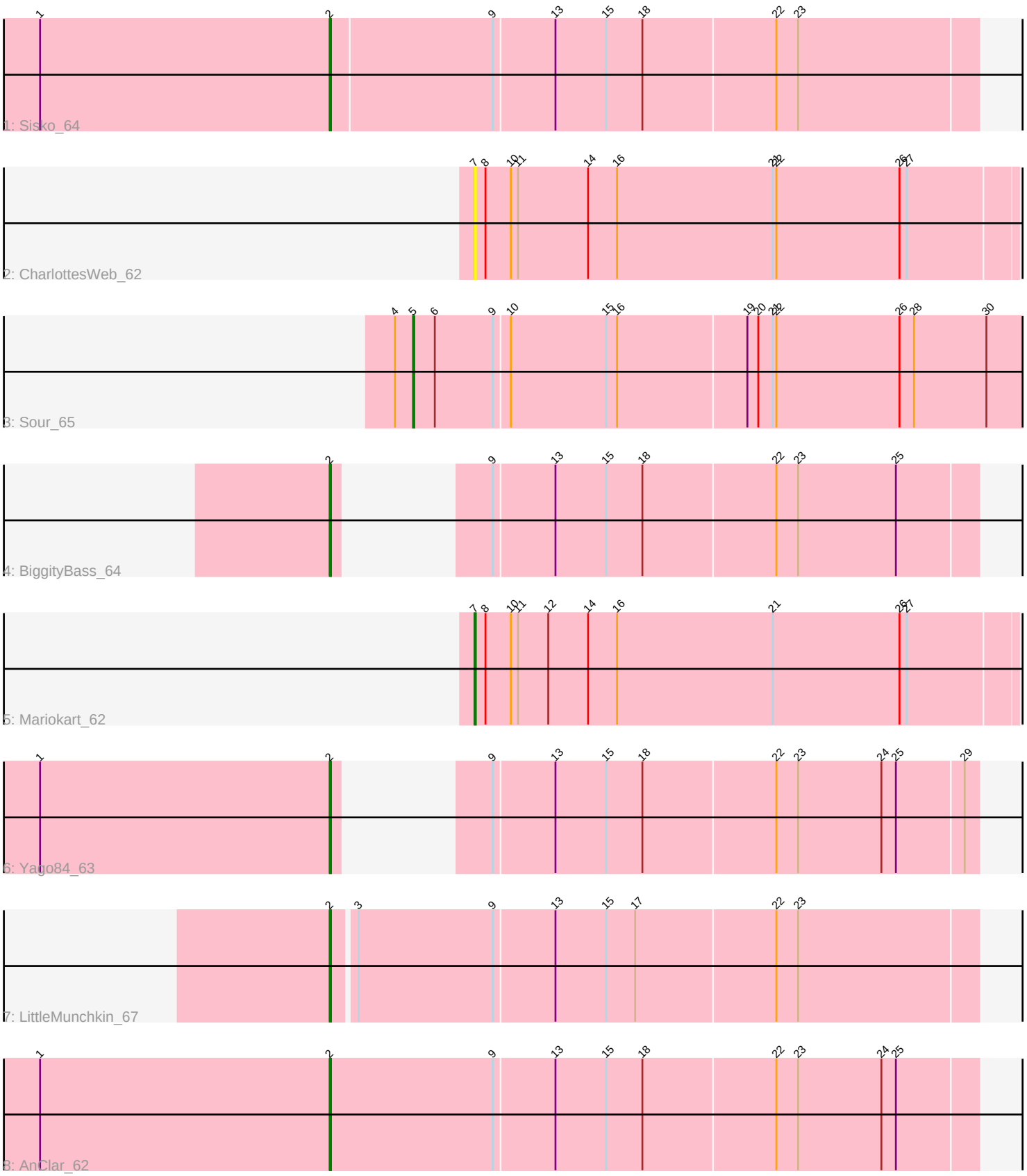
Pham 172017


1
2
9
13
15
18
22
23
1: Sisko_64
7
8
10
11
14
16
22
25
27
2: CharlottesWeb_62
4
5
6
9
10
15
16
19
20
22
26
28
30
3: Sour_65
2
9
13
15
18
22
23
25
4: BiggityBass_64
7
8
10
11
12
14
16
21
25
27
5: Mariokart_62
1
2
9
13
15
18
22
23
24
25
29
6: Yago84_63
2
3
9
13
15
17
22
23
7: LittleMunchkin_67
1
2
9
13
15
18
22
23
24
25
8: AnClar_62

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 172017 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172017 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sisko_64
• Track 2 : CharlottesWeb_62
• Track 3 : Sour_65
• Track 4 : BiggityBass_64
• Track 5 : Mariokart_62
• Track 6 : Yago84_63
• Track 7 : LittleMunchkin_67
• Track 8 : AnClar_62

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_62, BiggityBass_64, LittleMunchkin_67, Sisko_64, Yago84_63,

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

Genes that do not have the "Most Annotated" start:
• CharlottesWeb_62, Mariokart_62, Sour_65,

Summary by start number:

Start 2:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_62 (DR), BiggityBass_64 (DR), LittleMunchkin_67 (DR), Sisko_64 (DR), Yago84_63 (DR),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham

• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sour_65 (DR),

Start 7:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CharlottesWeb_62 (DR), Mariokart_62 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 2 was manually annotated 5 times for cluster DR.
•Start number 5 was manually annotated 1 time for cluster DR.
•Start number 7 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: AnClar_62 Start: 53383, Stop: 53910, Start Num: 2
Candidate Starts for AnClar_62:
(1, 53143), (Start: 2 @53383 has 5 MA's), (9, 53518), (13, 53566), (15, 53608), (18, 53638), (22, 53746), (23, 53764), (24, 53833), (25, 53845),

Gene: BiggityBass_64 Start: 53929, Stop: 54360, Start Num: 2
Candidate Starts for BiggityBass_64:
(Start: 2 @53929 has 5 MA's), (9, 53968), (13, 54016), (15, 54058), (18, 54088), (22, 54196), (23, 54214), (25, 54295),

Gene: CharlottesWeb_62 Start: 50751, Stop: 51290, Start Num: 7
Candidate Starts for CharlottesWeb_62:
(Start: 7 @50751 has 1 MA's), (8, 50760), (10, 50781), (11, 50787), (14, 50844), (16, 50868), (21, 50997), (22, 51000), (26, 51102), (27, 51108),

Gene: LittleMunchkin_67 Start: 55005, Stop: 55526, Start Num: 2
Candidate Starts for LittleMunchkin_67:
(Start: 2 @55005 has 5 MA's), (3, 55023), (9, 55134), (13, 55182), (15, 55224), (17, 55248), (22, 55362), (23, 55380),

Gene: Mariokart_62 Start: 51036, Stop: 51575, Start Num: 7
Candidate Starts for Mariokart_62:
(Start: 7 @51036 has 1 MA's), (8, 51045), (10, 51066), (11, 51072), (12, 51096), (14, 51129), (16, 51153), (21, 51282), (26, 51387), (27, 51393),

Gene: Sisko_64 Start: 52451, Stop: 52975, Start Num: 2
Candidate Starts for Sisko_64:
(1, 52211), (Start: 2 @52451 has 5 MA's), (9, 52583), (13, 52631), (15, 52673), (18, 52703), (22, 52811), (23, 52829),

Gene: Sour_65 Start: 54385, Stop: 54999, Start Num: 5
Candidate Starts for Sour_65:
(4, 54370), (Start: 5 @54385 has 1 MA's), (6, 54403), (9, 54451), (10, 54463), (15, 54541), (16, 54550), (19, 54655), (20, 54664), (21, 54676), (22, 54679), (26, 54781), (28, 54793), (30, 54853),

Gene: Yago84_63 Start: 51936, Stop: 52367, Start Num: 2
Candidate Starts for Yago84_63:
(1, 51696), (Start: 2 @51936 has 5 MA's), (9, 51975), (13, 52023), (15, 52065), (18, 52095), (22, 52203), (23, 52221), (24, 52290), (25, 52302), (29, 52356),