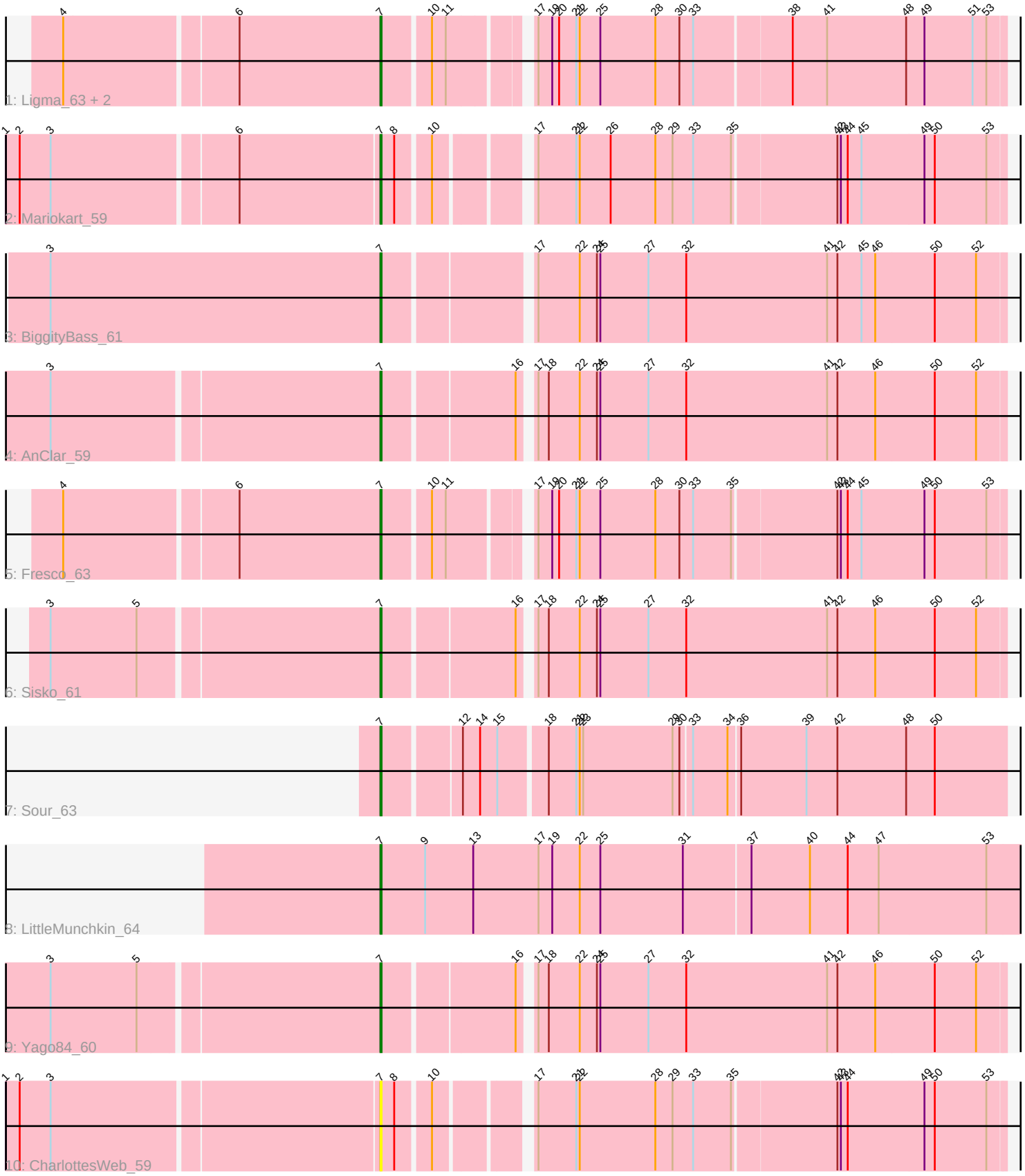
Pham 284341


1: Ligma_63 + 2
2: Mariokart_59
3: BiggityBass_61
4: AnClar_59
5: Fresco_63
6: Sisko_61
7: Sour_63
8: LittleMunchkin_64
9: Yago84_60
10: CharlottesWeb_59

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 284341 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284341 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ligma_63, Axumite_63, Shatter_63
• Track 2 : Mariokart_59
• Track 3 : BiggityBass_61
• Track 4 : AnClar_59
• Track 5 : Fresco_63
• Track 6 : Sisko_61
• Track 7 : Sour_63
• Track 8 : LittleMunchkin_64
• Track 9 : Yago84_60
• Track 10 : CharlottesWeb_59

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_59, Axumite_63, BiggityBass_61, CharlottesWeb_59, Fresco_63, Ligma_63, LittleMunchkin_64, Mariokart_59, Shatter_63, Sisko_61, Sour_63, Yago84_60,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_59 (DR), Axumite_63 (DR), BiggityBass_61 (DR), CharlottesWeb_59 (DR), Fresco_63 (DR), Ligma_63 (DR),

LittleMunchkin_64 (DR), Mariokart_59 (DR), Shatter_63 (DR), Sisko_61 (DR), Sour_63 (DR), Yago84_60 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 7 was manually annotated 11 times for cluster DR.

Gene Information:

Gene: AnClar_59 Start: 51973, Stop: 52494, Start Num: 7
Candidate Starts for AnClar_59:
(3, 51697), (Start: 7 @51973 has 11 MA's), (16, 52081), (17, 52090), (18, 52099), (22, 52126), (24, 52141), (25, 52144), (27, 52186), (32, 52219), (41, 52342), (42, 52351), (46, 52384), (50, 52435), (52, 52471),

Gene: Axumite_63 Start: 50823, Stop: 51332, Start Num: 7
Candidate Starts for Axumite_63:
(4, 50556), (6, 50700), (Start: 7 @50823 has 11 MA's), (10, 50862), (11, 50874), (17, 50934), (19, 50946), (20, 50952), (21, 50967), (22, 50970), (25, 50988), (28, 51036), (30, 51057), (33, 51069), (38, 51150), (41, 51180), (48, 51249), (49, 51264), (51, 51306), (53, 51318),

Gene: BiggityBass_61 Start: 52529, Stop: 53050, Start Num: 7
Candidate Starts for BiggityBass_61:
(3, 52241), (Start: 7 @52529 has 11 MA's), (17, 52646), (22, 52682), (24, 52697), (25, 52700), (27, 52742), (32, 52775), (41, 52898), (42, 52907), (45, 52928), (46, 52940), (50, 52991), (52, 53027),

Gene: CharlottesWeb_59 Start: 49407, Stop: 49913, Start Num: 7
Candidate Starts for CharlottesWeb_59:
(1, 49092), (2, 49104), (3, 49131), (Start: 7 @49407 has 11 MA's), (8, 49419), (10, 49446), (17, 49515), (21, 49548), (22, 49551), (28, 49617), (29, 49632), (33, 49650), (35, 49683), (42, 49770), (43, 49773), (44, 49779), (49, 49845), (50, 49854), (53, 49899),

Gene: Fresco_63 Start: 50823, Stop: 51332, Start Num: 7
Candidate Starts for Fresco_63:
(4, 50556), (6, 50700), (Start: 7 @50823 has 11 MA's), (10, 50862), (11, 50874), (17, 50934), (19, 50946), (20, 50952), (21, 50967), (22, 50970), (25, 50988), (28, 51036), (30, 51057), (33, 51069), (35, 51102), (42, 51189), (43, 51192), (44, 51198), (45, 51210), (49, 51264), (50, 51273), (53, 51318),

Gene: Ligma_63 Start: 50823, Stop: 51332, Start Num: 7
Candidate Starts for Ligma_63:
(4, 50556), (6, 50700), (Start: 7 @50823 has 11 MA's), (10, 50862), (11, 50874), (17, 50934), (19, 50946), (20, 50952), (21, 50967), (22, 50970), (25, 50988), (28, 51036), (30, 51057), (33, 51069), (38, 51150), (41, 51180), (48, 51249), (49, 51264), (51, 51306), (53, 51318),

Gene: LittleMunchkin_64 Start: 53578, Stop: 54135, Start Num: 7
Candidate Starts for LittleMunchkin_64:
(Start: 7 @53578 has 11 MA's), (9, 53617), (13, 53659), (17, 53716), (19, 53728), (22, 53752), (25, 53770), (31, 53842), (37, 53899), (40, 53950), (44, 53983), (47, 54010), (53, 54103),

Gene: Mariokart_59 Start: 49692, Stop: 50198, Start Num: 7
Candidate Starts for Mariokart_59:
(1, 49377), (2, 49389), (3, 49416), (6, 49572), (Start: 7 @49692 has 11 MA's), (8, 49704), (10, 49731), (17, 49800), (21, 49833), (22, 49836), (26, 49863), (28, 49902), (29, 49917), (33, 49935), (35, 49968), (42, 50055), (43, 50058), (44, 50064), (45, 50076), (49, 50130), (50, 50139), (53, 50184),

Gene: Shatter_63 Start: 50823, Stop: 51332, Start Num: 7
Candidate Starts for Shatter_63:
(4, 50556), (6, 50700), (Start: 7 @50823 has 11 MA's), (10, 50862), (11, 50874), (17, 50934), (19, 50946), (20, 50952), (21, 50967), (22, 50970), (25, 50988), (28, 51036), (30, 51057), (33, 51069), (38, 51150), (41, 51180), (48, 51249), (49, 51264), (51, 51306), (53, 51318),

Gene: Sisko_61 Start: 51041, Stop: 51562, Start Num: 7
Candidate Starts for Sisko_61:
(3, 50765), (5, 50840), (Start: 7 @51041 has 11 MA's), (16, 51149), (17, 51158), (18, 51167), (22, 51194), (24, 51209), (25, 51212), (27, 51254), (32, 51287), (41, 51410), (42, 51419), (46, 51452), (50, 51503), (52, 51539),

Gene: Sour_63 Start: 53270, Stop: 53794, Start Num: 7
Candidate Starts for Sour_63:
(Start: 7 @53270 has 11 MA's), (12, 53333), (14, 53348), (15, 53363), (18, 53402), (21, 53426), (22, 53429), (23, 53432), (29, 53510), (30, 53516), (33, 53525), (34, 53555), (36, 53564), (39, 53621), (42, 53648), (48, 53708), (50, 53732),

Gene: Yago84_60 Start: 50526, Stop: 51047, Start Num: 7
Candidate Starts for Yago84_60:
(3, 50250), (5, 50325), (Start: 7 @50526 has 11 MA's), (16, 50634), (17, 50643), (18, 50652), (22, 50679), (24, 50694), (25, 50697), (27, 50739), (32, 50772), (41, 50895), (42, 50904), (46, 50937), (50, 50988), (52, 51024),