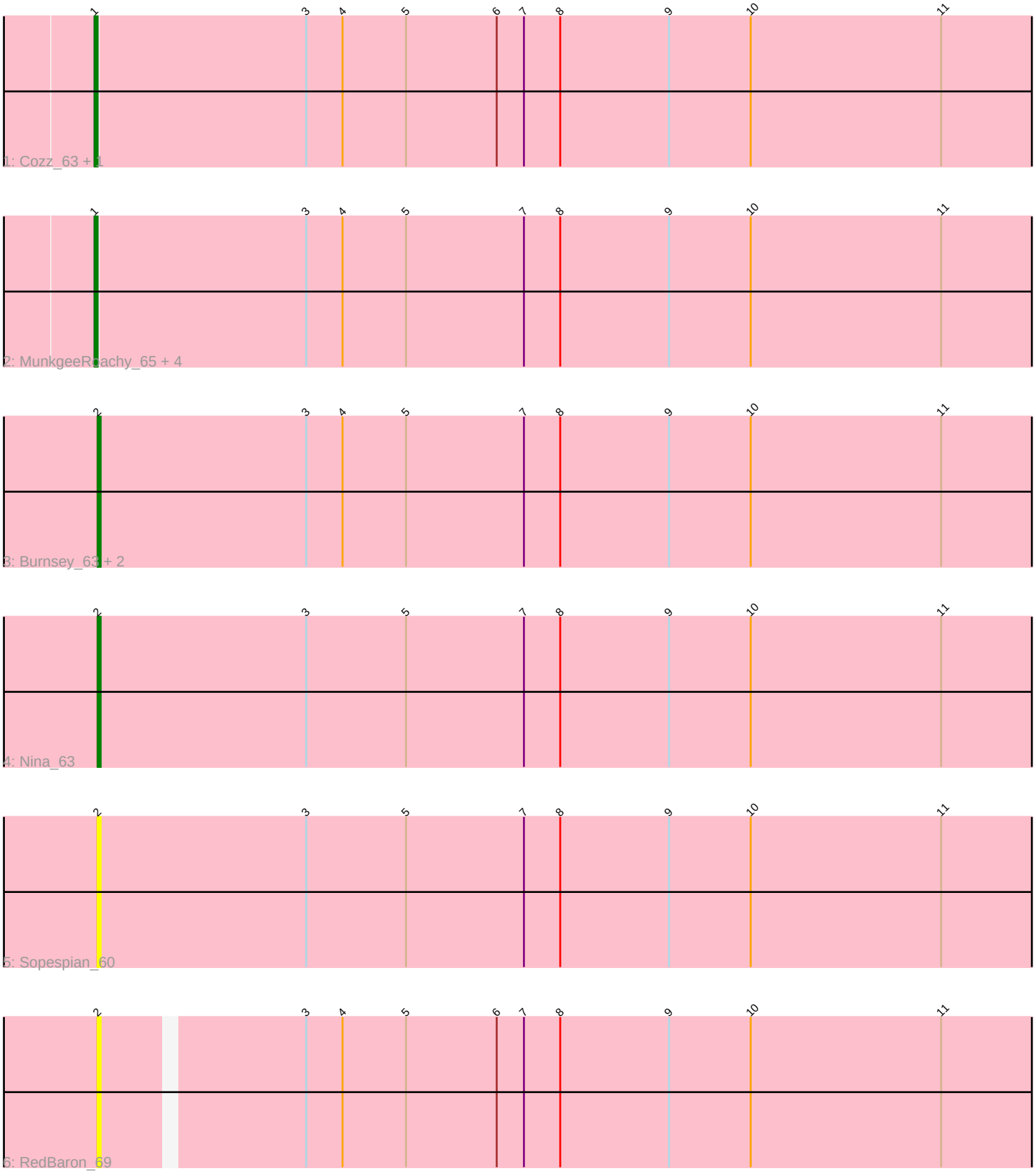
Pham 87493


1 3 4 5 6 7 8 9 10 11
1: Cozz_63 + 1
1 3 4 5 7 8 9 10 11
2: MunkgeeRoachy_65 + 4
2 3 4 5 7 8 9 10 11
3: Burnsey_63 + 2
2 3 5 7 8 9 10 11
4: Nina_63
2 3 5 7 8 9 10 11
5: Sopespian_60
2 3 4 5 6 7 8 9 10 11
6: RedBaron_69

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 87493 Report

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

Pham number 87493 has 13 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Cozz_63, GoldHunter_65
• Track 2 : MunkgeeRoachy_65, Axym_63, Typhonomachy_64, Agatha_64, Quasar_64
• Track 3 : Burnsey_63, PsychoKiller_62, Eliott_63
• Track 4 : Nina_63
• Track 5 : Sopespian_60
• Track 6 : RedBaron_69

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agatha_64, Axym_63, Cozz_63, GoldHunter_65, MunkgeeRoachy_65, Quasar_64, Typhonomachy_64,

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

Genes that do not have the "Most Annotated" start:
• Burnsey_63, Eliott_63, Nina_63, PsychoKiller_62, RedBaron_69, Sopespian_60,

Summary by start number:

Start 1:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agatha_64 (CT), Axym_63 (CT), Cozz_63 (CT), GoldHunter_65 (CT), MunkgeeRoachy_65 (CT), Quasar_64 (CT), Typhonomachy_64 (CT),

Start 2:

• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Burnsey_63 (CT), Eliott_63 (CT), Nina_63 (CT), PsychoKiller_62 (CT), RedBaron_69 (CT), Sopespian_60 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 4 times for cluster CT.
•Start number 2 was manually annotated 2 times for cluster CT.

Gene Information:

Gene: Agatha_64 Start: 43770, Stop: 44081, Start Num: 1
Candidate Starts for Agatha_64:
(Start: 1 @43770 has 4 MA's), (3, 43839), (4, 43851), (5, 43872), (7, 43911), (8, 43923), (9, 43959), (10, 43986), (11, 44049),

Gene: Axym_63 Start: 43657, Stop: 43965, Start Num: 1
Candidate Starts for Axym_63:
(Start: 1 @43657 has 4 MA's), (3, 43723), (4, 43735), (5, 43756), (7, 43795), (8, 43807), (9, 43843), (10, 43870), (11, 43933),

Gene: Burnsey_63 Start: 43357, Stop: 43668, Start Num: 2
Candidate Starts for Burnsey_63:
(Start: 2 @43357 has 2 MA's), (3, 43426), (4, 43438), (5, 43459), (7, 43498), (8, 43510), (9, 43546), (10, 43573), (11, 43636),

Gene: Cozz_63 Start: 43772, Stop: 44083, Start Num: 1
Candidate Starts for Cozz_63:
(Start: 1 @43772 has 4 MA's), (3, 43841), (4, 43853), (5, 43874), (6, 43904), (7, 43913), (8, 43925), (9, 43961), (10, 43988), (11, 44051),

Gene: Eliott_63 Start: 43250, Stop: 43561, Start Num: 2
Candidate Starts for Eliott_63:
(Start: 2 @43250 has 2 MA's), (3, 43319), (4, 43331), (5, 43352), (7, 43391), (8, 43403), (9, 43439), (10, 43466), (11, 43529),

Gene: GoldHunter_65 Start: 43761, Stop: 44072, Start Num: 1
Candidate Starts for GoldHunter_65:
(Start: 1 @43761 has 4 MA's), (3, 43830), (4, 43842), (5, 43863), (6, 43893), (7, 43902), (8, 43914), (9, 43950), (10, 43977), (11, 44040),

Gene: MunkgeeRoachy_65 Start: 43095, Stop: 43406, Start Num: 1
Candidate Starts for MunkgeeRoachy_65:
(Start: 1 @43095 has 4 MA's), (3, 43164), (4, 43176), (5, 43197), (7, 43236), (8, 43248), (9, 43284), (10, 43311), (11, 43374),

Gene: Nina_63 Start: 43844, Stop: 44155, Start Num: 2
Candidate Starts for Nina_63:
(Start: 2 @43844 has 2 MA's), (3, 43913), (5, 43946), (7, 43985), (8, 43997), (9, 44033), (10, 44060), (11, 44123),

Gene: PsychoKiller_62 Start: 43251, Stop: 43562, Start Num: 2
Candidate Starts for PsychoKiller_62:
(Start: 2 @43251 has 2 MA's), (3, 43320), (4, 43332), (5, 43353), (7, 43392), (8, 43404), (9, 43440), (10, 43467), (11, 43530),

Gene: Quasar_64 Start: 44131, Stop: 44442, Start Num: 1
Candidate Starts for Quasar_64:
(Start: 1 @44131 has 4 MA's), (3, 44200), (4, 44212), (5, 44233), (7, 44272), (8, 44284), (9, 44320), (10, 44347), (11, 44410),

Gene: RedBaron_69 Start: 44673, Stop: 44978, Start Num: 2
Candidate Starts for RedBaron_69:
(Start: 2 @44673 has 2 MA's), (3, 44736), (4, 44748), (5, 44769), (6, 44799), (7, 44808), (8, 44820), (9, 44856), (10, 44883), (11, 44946),

Gene: Sopespian_60 Start: 43252, Stop: 43563, Start Num: 2
Candidate Starts for Sopespian_60:
(Start: 2 @43252 has 2 MA's), (3, 43321), (5, 43354), (7, 43393), (8, 43405), (9, 43441), (10, 43468), (11, 43531),

Gene: Typhonomachy_64 Start: 43470, Stop: 43781, Start Num: 1
Candidate Starts for Typhonomachy_64:
(Start: 1 @43470 has 4 MA's), (3, 43539), (4, 43551), (5, 43572), (7, 43611), (8, 43623), (9, 43659), (10, 43686), (11, 43749),