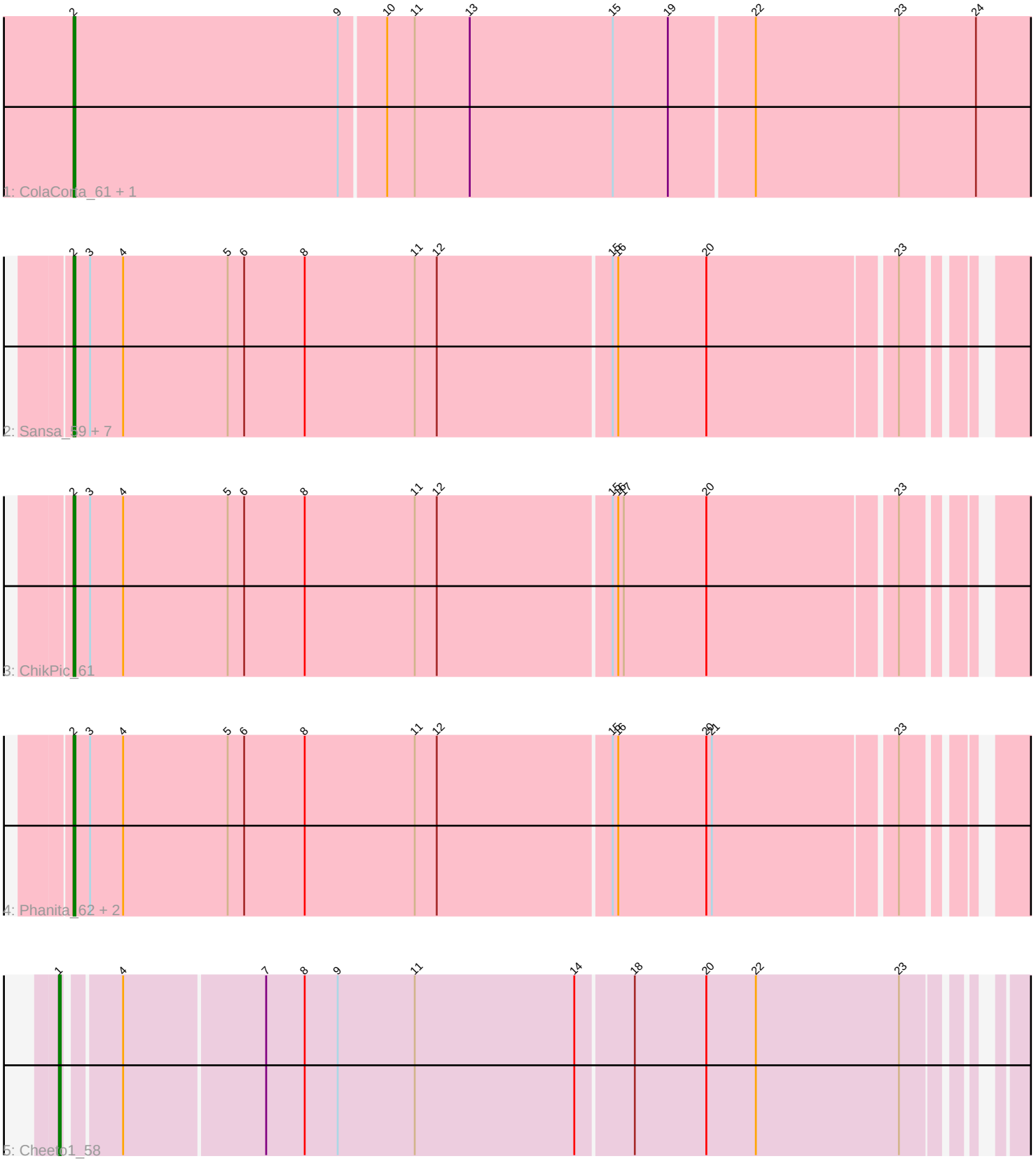
Pham 348134


1: ColaCorta_61 + 1
2: Sansa_59 + 7
3: ChikPic_61
4: Phanita_62 + 2
5: Cheeto1_58

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 348134 Report

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

Pham number 348134 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ColaCorta_61, Andromedas_61
• Track 2 : Sansa_59, Glamour_60, Shamu_61, Orpington_60, Eleri_61, Xebius_61, PSirce_61, Saratos_61
• Track 3 : ChikPic_61
• Track 4 : Phanita_62, Zenitsu_61, MCubed_61
• Track 5 : Cheeto1_58

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andromedas_61, ChikPic_61, ColaCorta_61, Eleri_61, Glamour_60, MCubed_61, Orpington_60, PSirce_61, Phanita_62, Sansa_59, Saratos_61, Shamu_61, Xebius_61, Zenitsu_61,

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

Genes that do not have the "Most Annotated" start:
• Cheeto1_58,

Summary by start number:

Start 1:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cheeto1_58 (EA9),

Start 2:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 13 of 14

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_61 (EA2), ChikPic_61 (EA2), ColaCorta_61 (EA2), Eleri_61 (EA2), Glamour_60 (EA2), MCubed_61 (EA2), Orpington_60 (EA2), PSirce_61 (EA2), Phanita_62 (EA2), Sansa_59 (EA2), Saratos_61 (EA2), Shamu_61 (EA2), Xebius_61 (EA2), Zenitsu_61 (EA2),

Summary by clusters:

There are 2 clusters represented in this pham: EA9, EA2,

Info for manual annotations of cluster EA2:
•Start number 2 was manually annotated 13 times for cluster EA2.

Info for manual annotations of cluster EA9:
•Start number 1 was manually annotated 1 time for cluster EA9.

Gene Information:

Gene: Andromedas_61 Start: 39455, Stop: 38913, Start Num: 2
Candidate Starts for Andromedas_61:
(Start: 2 @39455 has 13 MA's), (9, 39311), (10, 39287), (11, 39272), (13, 39242), (15, 39164), (19, 39134), (22, 39089), (23, 39011), (24, 38969),

Gene: Cheeto1_58 Start: 39028, Stop: 38504, Start Num: 1
Candidate Starts for Cheeto1_58:
(Start: 1 @39028 has 1 MA's), (4, 39001), (7, 38926), (8, 38905), (9, 38887), (11, 38845), (14, 38758), (18, 38728), (20, 38689), (22, 38662), (23, 38584),

Gene: ChikPic_61 Start: 39300, Stop: 38782, Start Num: 2
Candidate Starts for ChikPic_61:
(Start: 2 @39300 has 13 MA's), (3, 39291), (4, 39273), (5, 39216), (6, 39207), (8, 39174), (11, 39114), (12, 39102), (15, 39009), (16, 39006), (17, 39003), (20, 38958), (23, 38859),

Gene: ColaCorta_61 Start: 39455, Stop: 38913, Start Num: 2
Candidate Starts for ColaCorta_61:
(Start: 2 @39455 has 13 MA's), (9, 39311), (10, 39287), (11, 39272), (13, 39242), (15, 39164), (19, 39134), (22, 39089), (23, 39011), (24, 38969),

Gene: Eleri_61 Start: 39336, Stop: 38818, Start Num: 2
Candidate Starts for Eleri_61:
(Start: 2 @39336 has 13 MA's), (3, 39327), (4, 39309), (5, 39252), (6, 39243), (8, 39210), (11, 39150), (12, 39138), (15, 39045), (16, 39042), (20, 38994), (23, 38895),

Gene: Glamour_60 Start: 39194, Stop: 38676, Start Num: 2
Candidate Starts for Glamour_60:
(Start: 2 @39194 has 13 MA's), (3, 39185), (4, 39167), (5, 39110), (6, 39101), (8, 39068), (11, 39008), (12, 38996), (15, 38903), (16, 38900), (20, 38852), (23, 38753),

Gene: MCubed_61 Start: 39352, Stop: 38834, Start Num: 2
Candidate Starts for MCubed_61:

(Start: 2 @39352 has 13 MA's), (3, 39343), (4, 39325), (5, 39268), (6, 39259), (8, 39226), (11, 39166), (12, 39154), (15, 39061), (16, 39058), (20, 39010), (21, 39007), (23, 38911),

Gene: Orpington_60 Start: 39209, Stop: 38691, Start Num: 2
Candidate Starts for Orpington_60:
(Start: 2 @39209 has 13 MA's), (3, 39200), (4, 39182), (5, 39125), (6, 39116), (8, 39083), (11, 39023), (12, 39011), (15, 38918), (16, 38915), (20, 38867), (23, 38768),

Gene: PSirce_61 Start: 39489, Stop: 38971, Start Num: 2
Candidate Starts for PSirce_61:
(Start: 2 @39489 has 13 MA's), (3, 39480), (4, 39462), (5, 39405), (6, 39396), (8, 39363), (11, 39303), (12, 39291), (15, 39198), (16, 39195), (20, 39147), (23, 39048),

Gene: Phanita_62 Start: 39262, Stop: 38744, Start Num: 2
Candidate Starts for Phanita_62:
(Start: 2 @39262 has 13 MA's), (3, 39253), (4, 39235), (5, 39178), (6, 39169), (8, 39136), (11, 39076), (12, 39064), (15, 38971), (16, 38968), (20, 38920), (21, 38917), (23, 38821),

Gene: Sansa_59 Start: 39276, Stop: 38758, Start Num: 2
Candidate Starts for Sansa_59:
(Start: 2 @39276 has 13 MA's), (3, 39267), (4, 39249), (5, 39192), (6, 39183), (8, 39150), (11, 39090), (12, 39078), (15, 38985), (16, 38982), (20, 38934), (23, 38835),

Gene: Saratos_61 Start: 39320, Stop: 38802, Start Num: 2
Candidate Starts for Saratos_61:
(Start: 2 @39320 has 13 MA's), (3, 39311), (4, 39293), (5, 39236), (6, 39227), (8, 39194), (11, 39134), (12, 39122), (15, 39029), (16, 39026), (20, 38978), (23, 38879),

Gene: Shamu_61 Start: 39209, Stop: 38691, Start Num: 2
Candidate Starts for Shamu_61:
(Start: 2 @39209 has 13 MA's), (3, 39200), (4, 39182), (5, 39125), (6, 39116), (8, 39083), (11, 39023), (12, 39011), (15, 38918), (16, 38915), (20, 38867), (23, 38768),

Gene: Xebius_61 Start: 39323, Stop: 38805, Start Num: 2
Candidate Starts for Xebius_61:
(Start: 2 @39323 has 13 MA's), (3, 39314), (4, 39296), (5, 39239), (6, 39230), (8, 39197), (11, 39137), (12, 39125), (15, 39032), (16, 39029), (20, 38981), (23, 38882),

Gene: Zenitsu_61 Start: 39357, Stop: 38839, Start Num: 2
Candidate Starts for Zenitsu_61:
(Start: 2 @39357 has 13 MA's), (3, 39348), (4, 39330), (5, 39273), (6, 39264), (8, 39231), (11, 39171), (12, 39159), (15, 39066), (16, 39063), (20, 39015), (21, 39012), (23, 38916),