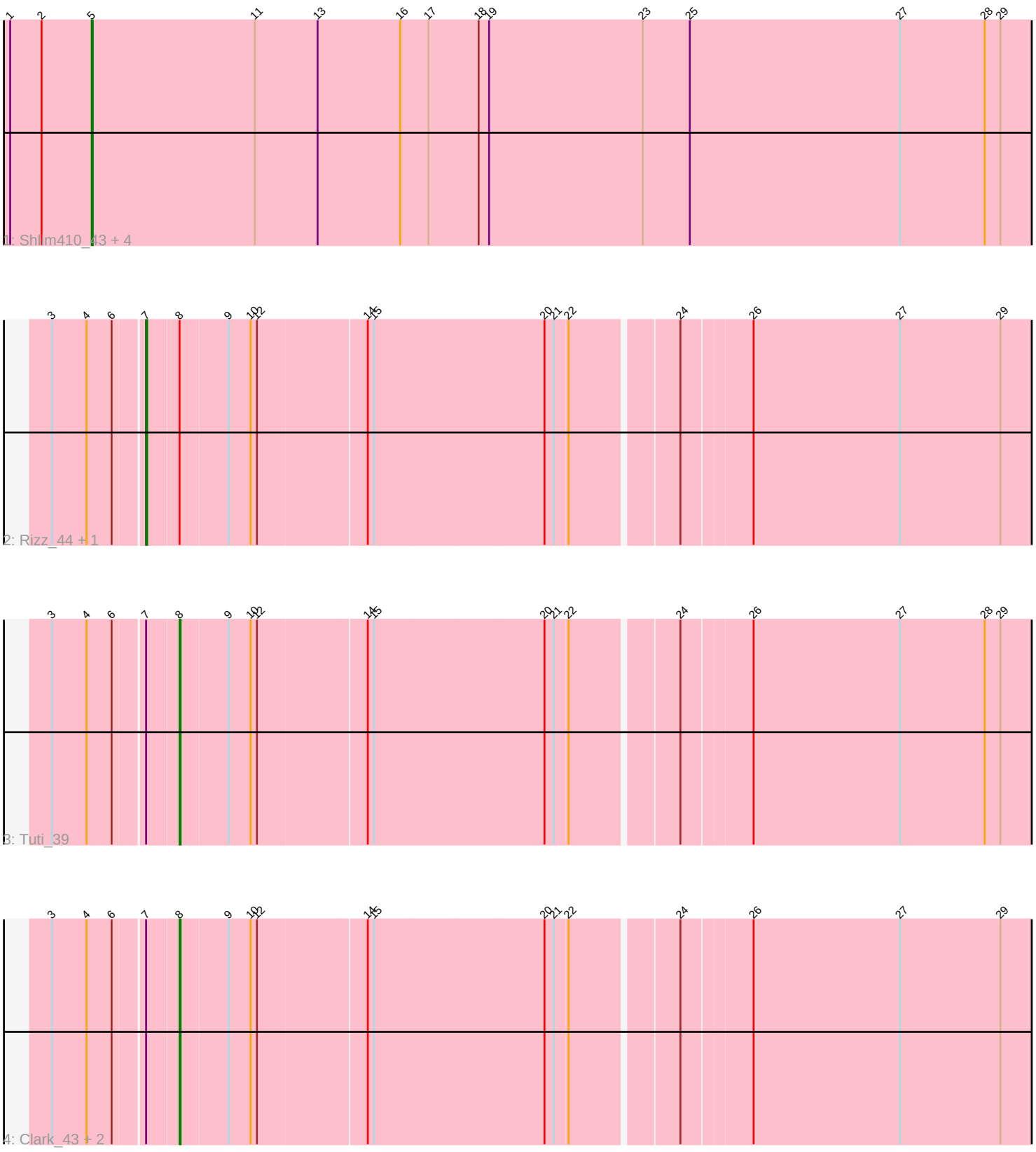
Pham 341253



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 341253 Report

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

Pham number 341253 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Shlim410_43, Adora_42, Hortense_45, Twinkle_44, Howe_45
• Track 2 : Rizz_44, Samman98_44
• Track 3 : Tuti_39
• Track 4 : Clark_43, MichaelScott_44, Invectra_45

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_42, Hortense_45, Howe_45, Shlim410_43, Twinkle_44,

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

Genes that do not have the "Most Annotated" start:
• Clark_43, Invectra_45, MichaelScott_44, Rizz_44, Samman98_44, Tuti_39,

Summary by start number:

Start 5:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_42 (CZ4), Hortense_45 (CZ4), Howe_45 (CZ4), Shlim410_43 (CZ4), Twinkle_44 (CZ4),

Start 7:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Rizz_44 (CZ4), Samman98_44 (CZ4),

Start 8:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Clark_43 (CZ4), Invectra_45 (CZ4), MichaelScott_44 (CZ4), Tuti_39 (CZ4),

Summary by clusters:

There is one cluster represented in this pham: CZ4

Info for manual annotations of cluster CZ4:
•Start number 5 was manually annotated 5 times for cluster CZ4.
•Start number 7 was manually annotated 1 time for cluster CZ4.
•Start number 8 was manually annotated 4 times for cluster CZ4.

Gene Information:

Gene: Adora_42 Start: 34999, Stop: 34100, Start Num: 5
Candidate Starts for Adora_42:
(1, 35077), (2, 35047), (Start: 5 @34999 has 5 MA's), (11, 34843), (13, 34783), (16, 34705), (17, 34678), (18, 34630), (19, 34621), (23, 34474), (25, 34429), (27, 34228), (28, 34147), (29, 34132),

Gene: Clark_43 Start: 32446, Stop: 31643, Start Num: 8
Candidate Starts for Clark_43:
(3, 32560), (4, 32527), (6, 32503), (Start: 7 @32476 has 1 MA's), (Start: 8 @32446 has 4 MA's), (9, 32401), (10, 32380), (12, 32374), (14, 32275), (15, 32269), (20, 32110), (21, 32101), (22, 32089), (24, 31993), (26, 31930), (27, 31792), (29, 31696),

Gene: Hortense_45 Start: 36354, Stop: 35455, Start Num: 5
Candidate Starts for Hortense_45:
(1, 36432), (2, 36402), (Start: 5 @36354 has 5 MA's), (11, 36198), (13, 36138), (16, 36060), (17, 36033), (18, 35985), (19, 35976), (23, 35829), (25, 35784), (27, 35583), (28, 35502), (29, 35487),

Gene: Howe_45 Start: 36354, Stop: 35455, Start Num: 5
Candidate Starts for Howe_45:
(1, 36432), (2, 36402), (Start: 5 @36354 has 5 MA's), (11, 36198), (13, 36138), (16, 36060), (17, 36033), (18, 35985), (19, 35976), (23, 35829), (25, 35784), (27, 35583), (28, 35502), (29, 35487),

Gene: Invectra_45 Start: 34020, Stop: 33217, Start Num: 8
Candidate Starts for Invectra_45:
(3, 34134), (4, 34101), (6, 34077), (Start: 7 @34050 has 1 MA's), (Start: 8 @34020 has 4 MA's), (9, 33975), (10, 33954), (12, 33948), (14, 33849), (15, 33843), (20, 33684), (21, 33675), (22, 33663), (24, 33567), (26, 33504), (27, 33366), (29, 33270),

Gene: MichaelScott_44 Start: 33922, Stop: 33119, Start Num: 8
Candidate Starts for MichaelScott_44:
(3, 34036), (4, 34003), (6, 33979), (Start: 7 @33952 has 1 MA's), (Start: 8 @33922 has 4 MA's), (9, 33877), (10, 33856), (12, 33850), (14, 33751), (15, 33745), (20, 33586), (21, 33577), (22, 33565), (24, 33469), (26, 33406), (27, 33268), (29, 33172),

Gene: Rizz_44 Start: 33262, Stop: 32429, Start Num: 7
Candidate Starts for Rizz_44:
(3, 33346), (4, 33313), (6, 33289), (Start: 7 @33262 has 1 MA's), (Start: 8 @33232 has 4 MA's), (9, 33187), (10, 33166), (12, 33160), (14, 33061), (15, 33055), (20, 32896), (21, 32887), (22, 32875), (24, 32779), (26, 32716), (27, 32578), (29, 32482),

Gene: Samman98_44 Start: 32579, Stop: 31746, Start Num: 7
Candidate Starts for Samman98_44:
(3, 32663), (4, 32630), (6, 32606), (Start: 7 @32579 has 1 MA's), (Start: 8 @32549 has 4 MA's), (9, 32504), (10, 32483), (12, 32477), (14, 32378), (15, 32372), (20, 32213), (21, 32204), (22, 32192), (24, 32096), (26, 32033), (27, 31895), (29, 31799),

Gene: Shlim410_43 Start: 36354, Stop: 35455, Start Num: 5
Candidate Starts for Shlim410_43:
(1, 36432), (2, 36402), (Start: 5 @36354 has 5 MA's), (11, 36198), (13, 36138), (16, 36060), (17, 36033), (18, 35985), (19, 35976), (23, 35829), (25, 35784), (27, 35583), (28, 35502), (29, 35487),

Gene: Tuti_39 Start: 33264, Stop: 32482, Start Num: 8
Candidate Starts for Tuti_39:
(3, 33378), (4, 33345), (6, 33321), (Start: 7 @33294 has 1 MA's), (Start: 8 @33264 has 4 MA's), (9, 33219), (10, 33198), (12, 33192), (14, 33093), (15, 33087), (20, 32928), (21, 32919), (22, 32907), (24, 32811), (26, 32748), (27, 32610), (28, 32529), (29, 32514),

Gene: Twinkle_44 Start: 37413, Stop: 36514, Start Num: 5
Candidate Starts for Twinkle_44:
(1, 37491), (2, 37461), (Start: 5 @37413 has 5 MA's), (11, 37257), (13, 37197), (16, 37119), (17, 37092), (18, 37044), (19, 37035), (23, 36888), (25, 36843), (27, 36642), (28, 36561), (29, 36546),