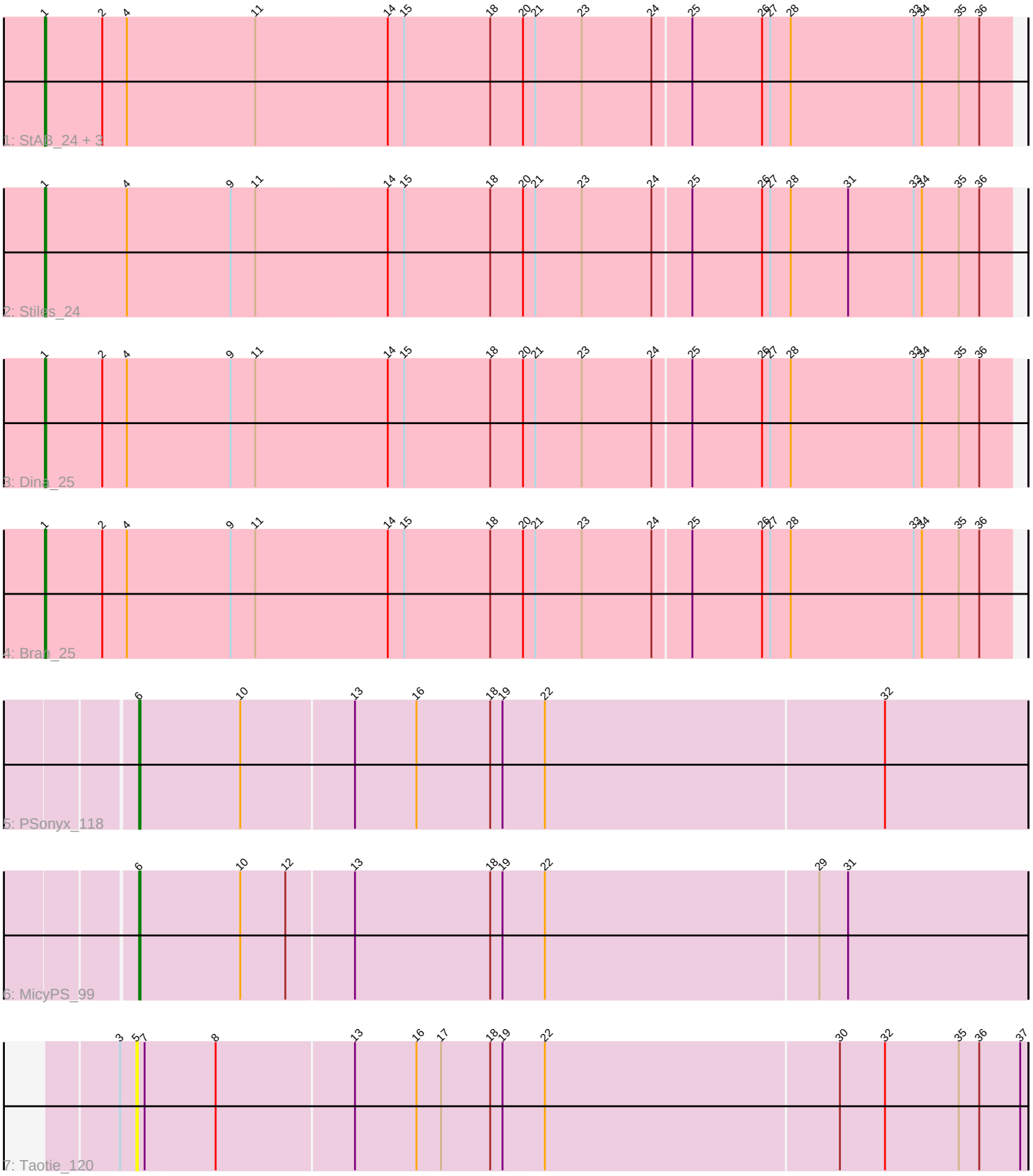
Pham 291745


1: StAB_24 + 3
2: Stiles_24
3: Dina_25
4: Bran_25
5: PSonyx_118
6: MicyPS_99
7: Taotie_120

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 291745 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291745 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : StAB_24, Lederberg_24, Troy_24, SamW_24
• Track 2 : Stiles_24
• Track 3 : Dina_25
• Track 4 : Bran_25
• Track 5 : PSonyx_118
• Track 6 : MicyPS_99
• Track 7 : Taotie_120

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bran_25, Dina_25, Lederberg_24, SamW_24, StAB_24, Stiles_24, Troy_24,

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

Genes that do not have the "Most Annotated" start:
• MicyPS_99, PSonyx_118, Taotie_120,

Summary by start number:

Start 1:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bran_25 (EP), Dina_25 (EP), Lederberg_24 (EP), SamW_24 (EP), StAB_24 (EP), Stiles_24 (EP), Troy_24 (EP),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Taotie_120 (EQ),

Start 6:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_99 (EQ), PSonyx_118 (EQ),

Summary by clusters:

There are 2 clusters represented in this pham: EQ, EP,

Info for manual annotations of cluster EP:
•Start number 1 was manually annotated 7 times for cluster EP.

Info for manual annotations of cluster EQ:
•Start number 6 was manually annotated 2 times for cluster EQ.

Gene Information:

Gene: Bran_25 Start: 23356, Stop: 22655, Start Num: 1
Candidate Starts for Bran_25:
(Start: 1 @23356 has 7 MA's), (2, 23314), (4, 23296), (9, 23221), (11, 23203), (14, 23107), (15, 23095), (18, 23032), (20, 23008), (21, 22999), (23, 22966), (24, 22915), (25, 22888), (26, 22837), (27, 22831), (28, 22816), (33, 22726), (34, 22720), (35, 22693), (36, 22678),

Gene: Dina_25 Start: 23185, Stop: 22484, Start Num: 1
Candidate Starts for Dina_25:
(Start: 1 @23185 has 7 MA's), (2, 23143), (4, 23125), (9, 23050), (11, 23032), (14, 22936), (15, 22924), (18, 22861), (20, 22837), (21, 22828), (23, 22795), (24, 22744), (25, 22717), (26, 22666), (27, 22660), (28, 22645), (33, 22555), (34, 22549), (35, 22522), (36, 22507),

Gene: Lederberg_24 Start: 23310, Stop: 22609, Start Num: 1
Candidate Starts for Lederberg_24:
(Start: 1 @23310 has 7 MA's), (2, 23268), (4, 23250), (11, 23157), (14, 23061), (15, 23049), (18, 22986), (20, 22962), (21, 22953), (23, 22920), (24, 22869), (25, 22842), (26, 22791), (27, 22785), (28, 22770), (33, 22680), (34, 22674), (35, 22647), (36, 22632),

Gene: MicyPS_99 Start: 58823, Stop: 58182, Start Num: 6
Candidate Starts for MicyPS_99:
(Start: 6 @58823 has 2 MA's), (10, 58751), (12, 58718), (13, 58670), (18, 58571), (19, 58562), (22, 58532), (29, 58334), (31, 58313),

Gene: PSonyx_118 Start: 62950, Stop: 62309, Start Num: 6
Candidate Starts for PSonyx_118:
(Start: 6 @62950 has 2 MA's), (10, 62878), (13, 62797), (16, 62752), (18, 62698), (19, 62689), (22, 62659), (32, 62413),

Gene: SamW_24 Start: 22925, Stop: 22224, Start Num: 1
Candidate Starts for SamW_24:

(Start: 1 @22925 has 7 MA's), (2, 22883), (4, 22865), (11, 22772), (14, 22676), (15, 22664), (18, 22601), (20, 22577), (21, 22568), (23, 22535), (24, 22484), (25, 22457), (26, 22406), (27, 22400), (28, 22385), (33, 22295), (34, 22289), (35, 22262), (36, 22247),

Gene: StAB_24 Start: 23360, Stop: 22659, Start Num: 1
Candidate Starts for StAB_24:
(Start: 1 @23360 has 7 MA's), (2, 23318), (4, 23300), (11, 23207), (14, 23111), (15, 23099), (18, 23036), (20, 23012), (21, 23003), (23, 22970), (24, 22919), (25, 22892), (26, 22841), (27, 22835), (28, 22820), (33, 22730), (34, 22724), (35, 22697), (36, 22682),

Gene: Stiles_24 Start: 22914, Stop: 22213, Start Num: 1
Candidate Starts for Stiles_24:
(Start: 1 @22914 has 7 MA's), (4, 22854), (9, 22779), (11, 22761), (14, 22665), (15, 22653), (18, 22590), (20, 22566), (21, 22557), (23, 22524), (24, 22473), (25, 22446), (26, 22395), (27, 22389), (28, 22374), (31, 22332), (33, 22284), (34, 22278), (35, 22251), (36, 22236),

Gene: Taotie_120 Start: 60896, Stop: 60252, Start Num: 5
Candidate Starts for Taotie_120:
(3, 60908), (5, 60896), (7, 60890), (8, 60839), (13, 60740), (16, 60695), (17, 60677), (18, 60641), (19, 60632), (22, 60602), (30, 60389), (32, 60356), (35, 60302), (36, 60287), (37, 60257),

Gene: Troy_24 Start: 22925, Stop: 22224, Start Num: 1
Candidate Starts for Troy_24:
(Start: 1 @22925 has 7 MA's), (2, 22883), (4, 22865), (11, 22772), (14, 22676), (15, 22664), (18, 22601), (20, 22577), (21, 22568), (23, 22535), (24, 22484), (25, 22457), (26, 22406), (27, 22400), (28, 22385), (33, 22295), (34, 22289), (35, 22262), (36, 22247),