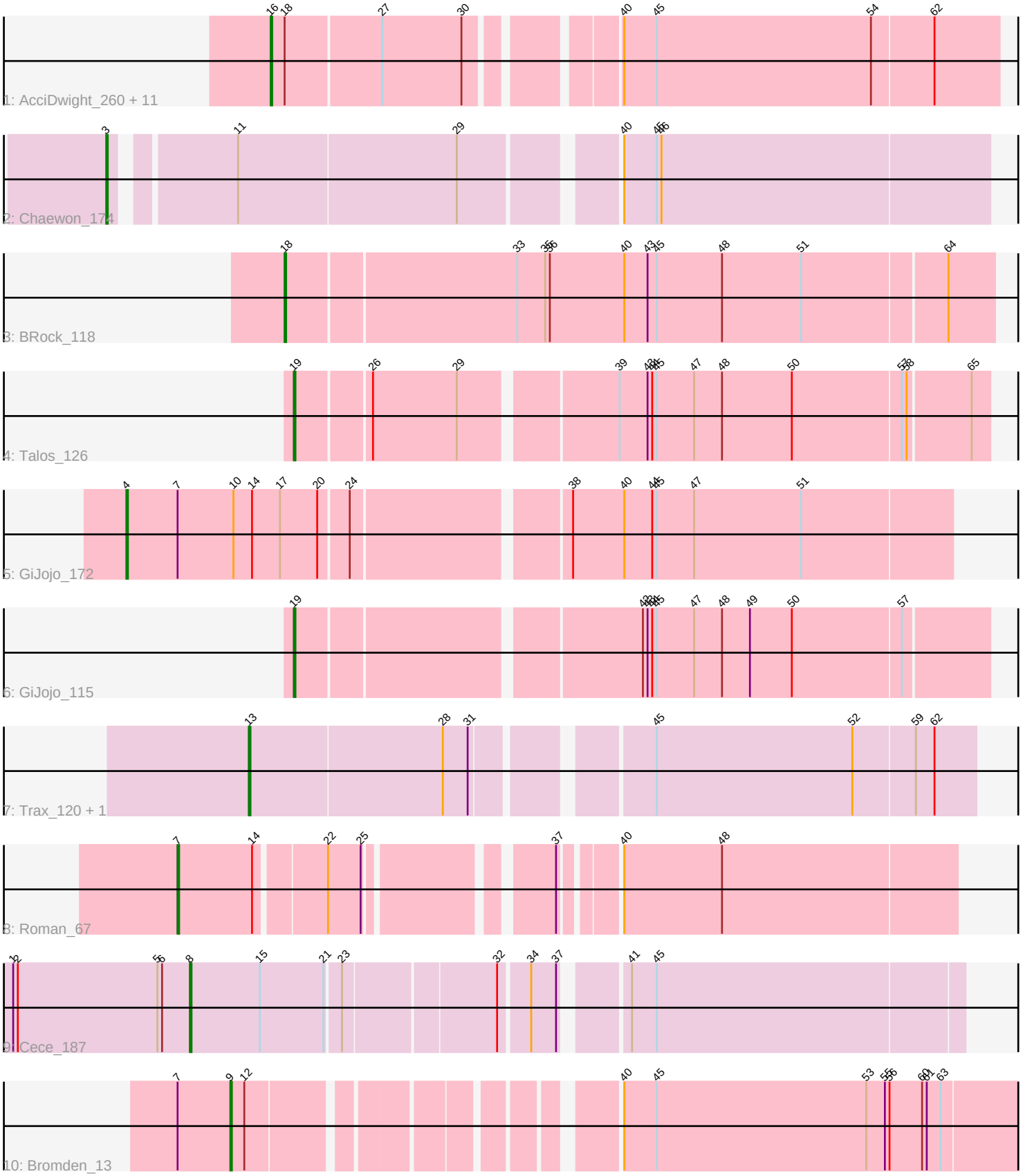
Pham 348027


1: AcciDwight_260 + 11
2: Chaewon_174
3: BRock_118
4: Talos_126
5: GiJojo_172
6: GiJojo_115
7: Trax_120 + 1
8: Roman_67
9: Cece_187
10: Bromden_13

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 348027 Report

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

Pham number 348027 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AcciDwight_260, Quaran19_252, JimJam_259, Gibbi_260, Wipeout_242, CeilingFan_256, Spilled_259, Daisy123_254, Rikishi_253, TomSawyer_256, KentuckyRacer_258, Enygma_258
• Track 2 : Chaewon_174
• Track 3 : BRock_118
• Track 4 : Talos_126
• Track 5 : GiJojo_172
• Track 6 : GiJojo_115
• Track 7 : Trax_120, Neville_119
• Track 8 : Roman_67
• Track 9 : Cece_187
• Track 10 : Bromden_13

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

The start number called the most often in the published annotations is 16, it was called in 10 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_260, CeilingFan_256, Daisy123_254, Enygma_258, Gibbi_260, JimJam_259, KentuckyRacer_258, Quaran19_252, Rikishi_253, Spilled_259, TomSawyer_256, Wipeout_242,

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

Genes that do not have the "Most Annotated" start:
• BRock_118, Bromden_13, Cece_187, Chaewon_174, GiJojo_115, GiJojo_172, Neville_119, Roman_67, Talos_126, Trax_120,

Summary by start number:

Start 3:
• Found in 1 of 22 (4.5%) of genes in pham

• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chaewon_174 (BK2),

Start 4:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiJojo_172 (BS),

Start 7:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Roman_67 (ED1),

Start 8:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_187 (GD3),

Start 9:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bromden_13 (L4),

Start 13:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Neville_119 (DU2), Trax_120 (DU2),

Start 16:
• Found in 12 of 22 (54.5%) of genes in pham
• Manual Annotations of this start: 10 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_260 (BE2), CeilingFan_256 (BE2), Daisy123_254 (BE2), Enygma_258 (BE2), Gibbi_260 (BE2), JimJam_259 (BE2), KentuckyRacer_258 (BE2), Quaran19_252 (BE2), Rikishi_253 (BE2), Spilled_259 (BE2), TomSawyer_256 (BE2), Wipeout_242 (BE2),

Start 18:
• Found in 13 of 22 (59.1%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 7.7% of time when present
• Phage (with cluster) where this start called: BRock_118 (BS),

Start 19:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: GiJojo_115 (BS), Talos_126 (BS),

Summary by clusters:

There are 7 clusters represented in this pham: GD3, L4, ED1, BK2, BS, BE2, DU2,

Info for manual annotations of cluster BE2:
•Start number 16 was manually annotated 10 times for cluster BE2.

Info for manual annotations of cluster BK2:
•Start number 3 was manually annotated 1 time for cluster BK2.

Info for manual annotations of cluster BS:
•Start number 4 was manually annotated 1 time for cluster BS.
•Start number 18 was manually annotated 1 time for cluster BS.
•Start number 19 was manually annotated 2 times for cluster BS.

Info for manual annotations of cluster DU2:
•Start number 13 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster ED1:
•Start number 7 was manually annotated 1 time for cluster ED1.

Info for manual annotations of cluster GD3:
•Start number 8 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster L4:
•Start number 9 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: AcciDwight_260 Start: 115946, Stop: 116386, Start Num: 16
Candidate Starts for AcciDwight_260:
(Start: 16 @115946 has 10 MA's), (Start: 18 @115955 has 1 MA's), (27, 116015), (30, 116066), (40, 116147), (45, 116168), (54, 116306), (62, 116345),

Gene: BRock_118 Start: 64876, Stop: 65322, Start Num: 18
Candidate Starts for BRock_118:
(Start: 18 @64876 has 1 MA's), (33, 65020), (35, 65038), (36, 65041), (40, 65089), (43, 65104), (45, 65110), (48, 65152), (51, 65203), (64, 65293),

Gene: Bromden_13 Start: 8696, Stop: 9157, Start Num: 9
Candidate Starts for Bromden_13:
(Start: 7 @8663 has 1 MA's), (Start: 9 @8696 has 1 MA's), (12, 8705), (40, 8900), (45, 8921), (53, 9056), (55, 9068), (56, 9071), (60, 9092), (61, 9095), (63, 9104),

Gene: Cece_187 Start: 114127, Stop: 113666, Start Num: 8
Candidate Starts for Cece_187:
(1, 114241), (2, 114238), (5, 114148), (6, 114145), (Start: 8 @114127 has 1 MA's), (15, 114082), (21, 114043), (23, 114034), (32, 113941), (34, 113923), (37, 113908), (41, 113875), (45, 113860),

Gene: CeilingFan_256 Start: 116457, Stop: 116897, Start Num: 16
Candidate Starts for CeilingFan_256:
(Start: 16 @116457 has 10 MA's), (Start: 18 @116466 has 1 MA's), (27, 116526), (30, 116577), (40, 116658), (45, 116679), (54, 116817), (62, 116856),

Gene: Chaewon_174 Start: 94091, Stop: 94618, Start Num: 3
Candidate Starts for Chaewon_174:
(Start: 3 @94091 has 1 MA's), (11, 94160), (29, 94298), (40, 94385), (45, 94406), (46, 94409),

Gene: Daisy123_254 Start: 116319, Stop: 116759, Start Num: 16
Candidate Starts for Daisy123_254:
(Start: 16 @116319 has 10 MA's), (Start: 18 @116328 has 1 MA's), (27, 116388), (30, 116439), (40, 116520), (45, 116541), (54, 116679), (62, 116718),

Gene: Enygma_258 Start: 118257, Stop: 118697, Start Num: 16
Candidate Starts for Enygma_258:
(Start: 16 @118257 has 10 MA's), (Start: 18 @118266 has 1 MA's), (27, 118326), (30, 118377), (40, 118458), (45, 118479), (54, 118617), (62, 118656),

Gene: GiJojo_172 Start: 92929, Stop: 93441, Start Num: 4
Candidate Starts for GiJojo_172:
(Start: 4 @92929 has 1 MA's), (Start: 7 @92962 has 1 MA's), (10, 92998), (14, 93010), (17, 93028), (20, 93052), (24, 93070), (38, 93199), (40, 93232), (44, 93250), (45, 93253), (47, 93277), (51, 93346),

Gene: GiJojo_115 Start: 67939, Stop: 68364, Start Num: 19
Candidate Starts for GiJojo_115:
(Start: 19 @67939 has 2 MA's), (42, 68146), (43, 68149), (44, 68152), (45, 68155), (47, 68179), (48, 68197), (49, 68215), (50, 68242), (57, 68311),

Gene: Gibbi_260 Start: 115950, Stop: 116390, Start Num: 16
Candidate Starts for Gibbi_260:
(Start: 16 @115950 has 10 MA's), (Start: 18 @115959 has 1 MA's), (27, 116019), (30, 116070), (40, 116151), (45, 116172), (54, 116310), (62, 116349),

Gene: JimJam_259 Start: 117386, Stop: 117826, Start Num: 16
Candidate Starts for JimJam_259:
(Start: 16 @117386 has 10 MA's), (Start: 18 @117395 has 1 MA's), (27, 117455), (30, 117506), (40, 117587), (45, 117608), (54, 117746), (62, 117785),

Gene: KentuckyRacer_258 Start: 117301, Stop: 117741, Start Num: 16
Candidate Starts for KentuckyRacer_258:
(Start: 16 @117301 has 10 MA's), (Start: 18 @117310 has 1 MA's), (27, 117370), (30, 117421), (40, 117502), (45, 117523), (54, 117661), (62, 117700),

Gene: Neville_119 Start: 67317, Stop: 67757, Start Num: 13
Candidate Starts for Neville_119:
(Start: 13 @67317 has 2 MA's), (28, 67440), (31, 67455), (45, 67554), (52, 67680), (59, 67719), (62, 67731),

Gene: Quaran19_252 Start: 115643, Stop: 116083, Start Num: 16
Candidate Starts for Quaran19_252:
(Start: 16 @115643 has 10 MA's), (Start: 18 @115652 has 1 MA's), (27, 115712), (30, 115763), (40, 115844), (45, 115865), (54, 116003), (62, 116042),

Gene: Rikishi_253 Start: 115924, Stop: 116364, Start Num: 16
Candidate Starts for Rikishi_253:
(Start: 16 @115924 has 10 MA's), (Start: 18 @115933 has 1 MA's), (27, 115993), (30, 116044), (40, 116125), (45, 116146), (54, 116284), (62, 116323),

Gene: Roman_67 Start: 39014, Stop: 38559, Start Num: 7
Candidate Starts for Roman_67:
(Start: 7 @39014 has 1 MA's), (14, 38966), (22, 38924), (25, 38903), (37, 38801), (40, 38771), (48, 38708),

Gene: Spilled_259 Start: 116318, Stop: 116758, Start Num: 16
Candidate Starts for Spilled_259:
(Start: 16 @116318 has 10 MA's), (Start: 18 @116327 has 1 MA's), (27, 116387), (30, 116438), (40, 116519), (45, 116540), (54, 116678), (62, 116717),

Gene: Talos_126 Start: 67102, Stop: 67527, Start Num: 19
Candidate Starts for Talos_126:
(Start: 19 @67102 has 2 MA's), (26, 67147), (29, 67201), (39, 67294), (43, 67312), (44, 67315), (45, 67318), (47, 67342), (48, 67360), (50, 67405), (57, 67474), (58, 67477), (65, 67516),

Gene: TomSawyer_256 Start: 117629, Stop: 118069, Start Num: 16
Candidate Starts for TomSawyer_256:
(Start: 16 @117629 has 10 MA's), (Start: 18 @117638 has 1 MA's), (27, 117698), (30, 117749), (40, 117830), (45, 117851), (54, 117989), (62, 118028),

Gene: Trax_120 Start: 68137, Stop: 68577, Start Num: 13
Candidate Starts for Trax_120:
(Start: 13 @68137 has 2 MA's), (28, 68260), (31, 68275), (45, 68374), (52, 68500), (59, 68539), (62, 68551),

Gene: Wipeout_242 Start: 116581, Stop: 117021, Start Num: 16
Candidate Starts for Wipeout_242:
(Start: 16 @116581 has 10 MA's), (Start: 18 @116590 has 1 MA's), (27, 116650), (30, 116701), (40, 116782), (45, 116803), (54, 116941), (62, 116980),