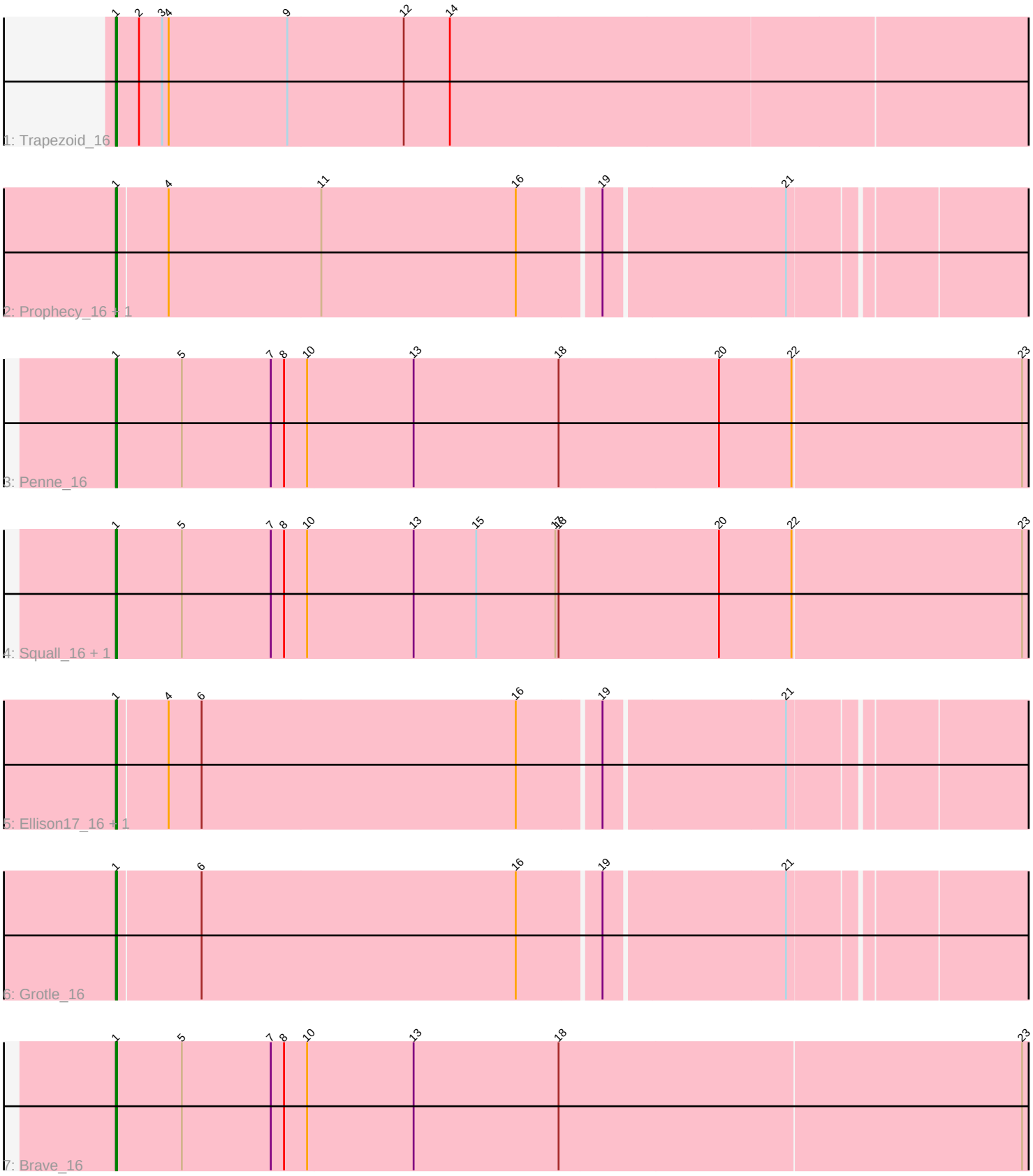
Zoomed Pham 200828



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 200828 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200828 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Trapezoid_16
• Track 2 : Prophecy_16, Mimi16_16
• Track 3 : Penne_16
• Track 4 : Squall_16, Fairywren_16
• Track 5 : Ellison17_16, Momos_16
• Track 6 : Grotle_16
• Track 7 : Brave_16

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Brave_16, Ellison17_16, Fairywren_16, Grotle_16, Mimi16_16, Momos_16, Penne_16, Prophecy_16, Squall_16, Trapezoid_16,

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

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brave_16 (JB), Ellison17_16 (JB), Fairywren_16 (JB), Grotle_16 (JB), Mimi16_16 (JB), Momos_16 (JB), Penne_16 (JB), Prophecy_16 (JB), Squall_16 (JB), Trapezoid_16 (JB),

Summary by clusters:

There is one cluster represented in this pham: JB

Info for manual annotations of cluster JB:
•Start number 1 was manually annotated 10 times for cluster JB.

Gene Information:

Gene: Brave_16 Start: 14781, Stop: 16250, Start Num: 1
Candidate Starts for Brave_16:
(Start: 1 @14781 has 10 MA's), (5, 14841), (7, 14922), (8, 14934), (10, 14955), (13, 15051), (18, 15183), (23, 15600), (26, 15642), (27, 15666), (28, 15669), (33, 15891), (35, 15948), (38, 16014), (39, 16020), (41, 16077), (43, 16131), (45, 16146), (48, 16191), (50, 16233),

Gene: Ellison17_16 Start: 15197, Stop: 16645, Start Num: 1
Candidate Starts for Ellison17_16:
(Start: 1 @15197 has 10 MA's), (4, 15242), (6, 15272), (16, 15557), (19, 15629), (21, 15788), (27, 16052), (30, 16109), (33, 16274), (34, 16307), (35, 16331), (37, 16403), (40, 16424), (42, 16505), (44, 16532), (47, 16556),

Gene: Fairywren_16 Start: 14747, Stop: 16216, Start Num: 1
Candidate Starts for Fairywren_16:
(Start: 1 @14747 has 10 MA's), (5, 14807), (7, 14888), (8, 14900), (10, 14921), (13, 15017), (15, 15074), (17, 15146), (18, 15149), (20, 15293), (22, 15359), (23, 15566), (26, 15608), (27, 15632), (28, 15635), (33, 15857), (38, 15980), (39, 15986), (41, 16043), (43, 16097), (45, 16112), (48, 16157), (50, 16199),

Gene: Grotle_16 Start: 15156, Stop: 16604, Start Num: 1
Candidate Starts for Grotle_16:
(Start: 1 @15156 has 10 MA's), (6, 15231), (16, 15516), (19, 15588), (21, 15747), (27, 16011), (33, 16233), (34, 16266), (35, 16290), (36, 16296), (37, 16362), (40, 16383), (42, 16464), (44, 16491), (47, 16515),

Gene: Mimi16_16 Start: 15207, Stop: 16655, Start Num: 1
Candidate Starts for Mimi16_16:
(Start: 1 @15207 has 10 MA's), (4, 15252), (11, 15390), (16, 15567), (19, 15639), (21, 15798), (27, 16062), (30, 16119), (33, 16284), (34, 16317), (35, 16341), (36, 16347), (37, 16413), (40, 16434), (42, 16515), (44, 16542), (47, 16566),

Gene: Momos_16 Start: 15197, Stop: 16645, Start Num: 1
Candidate Starts for Momos_16:
(Start: 1 @15197 has 10 MA's), (4, 15242), (6, 15272), (16, 15557), (19, 15629), (21, 15788), (27, 16052), (30, 16109), (33, 16274), (34, 16307), (35, 16331), (37, 16403), (40, 16424), (42, 16505), (44, 16532), (47, 16556),

Gene: Penne_16 Start: 14784, Stop: 16253, Start Num: 1
Candidate Starts for Penne_16:
(Start: 1 @14784 has 10 MA's), (5, 14844), (7, 14925), (8, 14937), (10, 14958), (13, 15054), (18, 15186), (20, 15330), (22, 15396), (23, 15603), (26, 15645), (27, 15669), (33, 15894), (38, 16017), (39, 16023), (41, 16080), (43, 16134), (45, 16149), (48, 16194), (50, 16236),

Gene: Prophecy_16 Start: 15207, Stop: 16655, Start Num: 1
Candidate Starts for Prophecy_16:
(Start: 1 @15207 has 10 MA's), (4, 15252), (11, 15390), (16, 15567), (19, 15639), (21, 15798), (27, 16062), (30, 16119), (33, 16284), (34, 16317), (35, 16341), (36, 16347), (37, 16413), (40, 16434), (42, 16515), (44, 16542), (47, 16566),

Gene: Squall_16 Start: 14751, Stop: 16220, Start Num: 1
Candidate Starts for Squall_16:
(Start: 1 @14751 has 10 MA's), (5, 14811), (7, 14892), (8, 14904), (10, 14925), (13, 15021), (15, 15078), (17, 15150), (18, 15153), (20, 15297), (22, 15363), (23, 15570), (26, 15612), (27, 15636), (28, 15639), (33, 15861), (38, 15984), (39, 15990), (41, 16047), (43, 16101), (45, 16116), (48, 16161), (50, 16203),

Gene: Trapezoid_16 Start: 14637, Stop: 16118, Start Num: 1
Candidate Starts for Trapezoid_16:
(Start: 1 @14637 has 10 MA's), (2, 14658), (3, 14679), (4, 14685), (9, 14793), (12, 14898), (14, 14940), (24, 15465), (25, 15486), (29, 15552), (31, 15636), (32, 15666), (38, 15876), (40, 15894), (42, 15975), (43, 15993), (46, 16020), (48, 16053), (49, 16083),