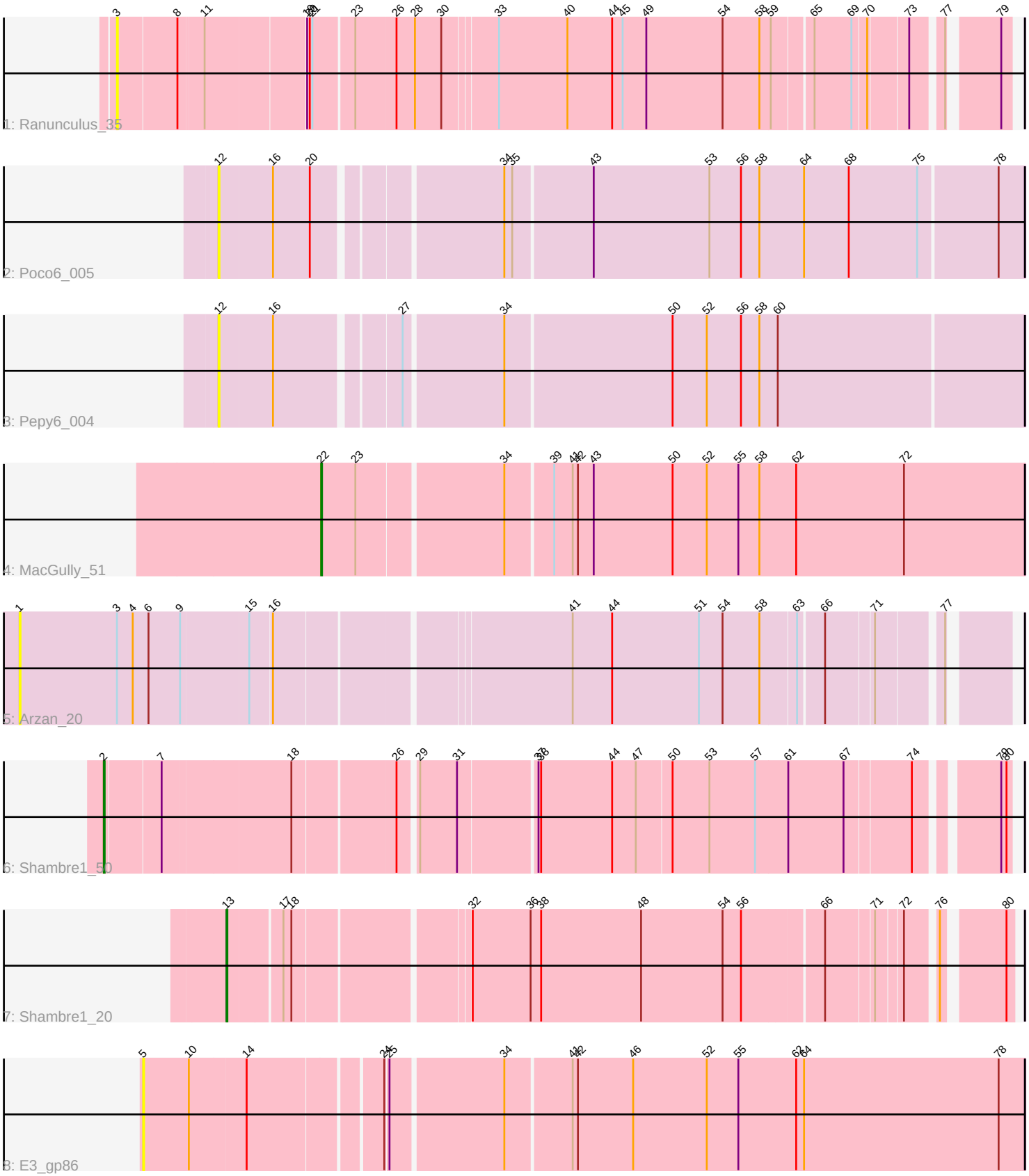
Pham 6821


1: Ranunculus_35
2: Poco6_005
3: Pepy6_004
4: MacGully_51
5: Arzan_20
6: Shambre1_50
7: Shambre1_20
8: E3_gp86

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 6821 Report

This analysis was run 04/12/24 on database version 558.

Pham number 6821 has 8 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_35
• Track 2 : Poco6_005
• Track 3 : Pepy6_004
• Track 4 : MacGully_51
• Track 5 : Arzan_20
• Track 6 : Shambre1_50
• Track 7 : Shambre1_20
• Track 8 : E3_gp86

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 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Shambre1_50,

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

Genes that do not have the "Most Annotated" start:
• Arzan_20, E3_gp86, MacGully_51, Pepy6_004, Poco6_005, Ranunculus_35, Shambre1_20,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arzan_20 (FI),

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham

• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_50 (singleton),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_35 (AP),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp86 (singleton),

Start 12:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pepy6_004 (CC), Poco6_005 (CC),

Start 13:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shambre1_20 (singleton),

Start 22:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MacGully_51 (CR),

Summary by clusters:

There are 5 clusters represented in this pham: CC, FI, singleton, CR, AP,

Info for manual annotations of cluster CR:
•Start number 22 was manually annotated 1 time for cluster CR.

Gene Information:

Gene: Arzan_20 Start: 15791, Stop: 16840, Start Num: 1
Candidate Starts for Arzan_20:
(1, 15791), (3, 15902), (4, 15920), (6, 15938), (9, 15974), (15, 16049), (16, 16073), (41, 16385), (44, 16430), (51, 16529), (54, 16556), (58, 16598), (63, 16637), (66, 16664), (71, 16715), (77, 16781),

Gene: E3_gp86 Start: 47441, Stop: 48409, Start Num: 5
Candidate Starts for E3_gp86:
(5, 47441), (10, 47492), (14, 47555), (24, 47696), (25, 47699), (34, 47822), (41, 47894), (42, 47900), (46, 47963), (52, 48047), (55, 48083), (62, 48149), (64, 48158), (78, 48380),

Gene: MacGully_51 Start: 33207, Stop: 33992, Start Num: 22
Candidate Starts for MacGully_51:
(Start: 22 @33207 has 1 MA's), (23, 33246), (34, 33405), (39, 33456), (41, 33477), (42, 33483), (43, 33501), (50, 33591), (52, 33630), (55, 33666), (58, 33690), (62, 33732), (72, 33855),

Gene: Pepy6_004 Start: 4449, Stop: 5327, Start Num: 12
Candidate Starts for Pepy6_004:
(12, 4449), (16, 4509), (27, 4638), (34, 4746), (50, 4932), (52, 4971), (56, 5010), (58, 5031), (60, 5052),

Gene: Poco6_005 Start: 6696, Stop: 7574, Start Num: 12
Candidate Starts for Poco6_005:
(12, 6696), (16, 6756), (20, 6798), (34, 6993), (35, 7002), (43, 7089), (53, 7221), (56, 7257), (58, 7278), (64, 7329), (68, 7380), (75, 7458), (78, 7545),

Gene: Ranunculus_35 Start: 33402, Stop: 34343, Start Num: 3
Candidate Starts for Ranunculus_35:
(3, 33402), (8, 33468), (11, 33495), (19, 33603), (20, 33606), (21, 33609), (23, 33651), (26, 33696), (28, 33717), (30, 33747), (33, 33804), (40, 33882), (44, 33933), (45, 33945), (49, 33972), (54, 34059), (58, 34101), (59, 34113), (65, 34155), (69, 34197), (70, 34212), (73, 34254), (77, 34284), (79, 34332),

Gene: Shambre1_50 Start: 31272, Stop: 32228, Start Num: 2
Candidate Starts for Shambre1_50:
(Start: 2 @31272 has 1 MA's), (7, 31332), (18, 31473), (26, 31581), (29, 31599), (31, 31641), (37, 31725), (38, 31728), (44, 31809), (47, 31836), (50, 31875), (53, 31917), (57, 31968), (61, 32004), (67, 32067), (74, 32139), (79, 32217), (80, 32223),

Gene: Shambre1_20 Start: 16827, Stop: 17642, Start Num: 13
Candidate Starts for Shambre1_20:
(Start: 13 @16827 has 1 MA's), (17, 16884), (18, 16893), (32, 17073), (36, 17139), (38, 17151), (48, 17265), (54, 17358), (56, 17379), (66, 17466), (71, 17517), (72, 17544), (76, 17574), (80, 17634),