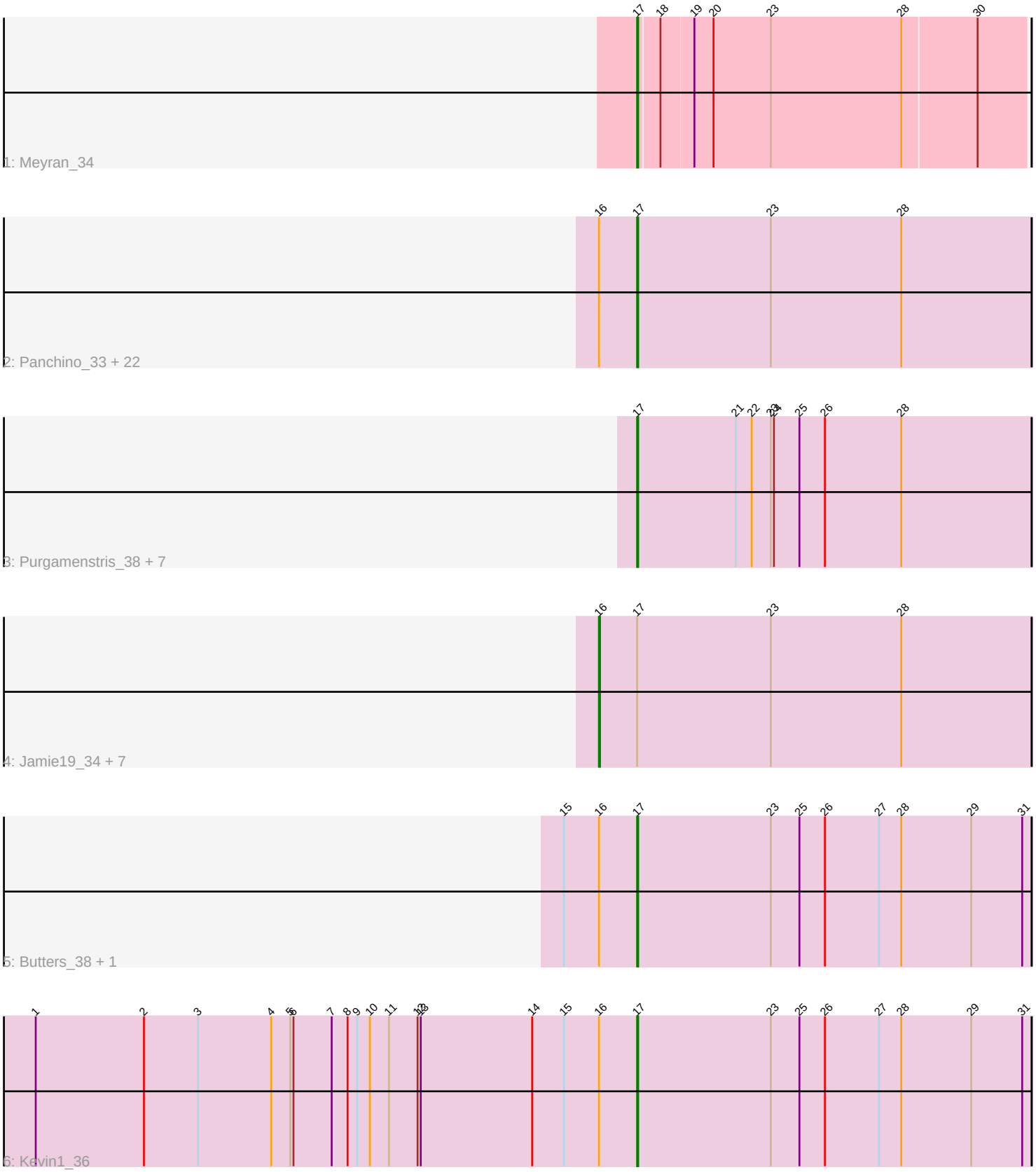
Pham 224700


17
18
19
20
23
28
30
1: Meyran_34
16
17
23
28
2: Panchino_33 + 22
17
21
22
25
26
28
3: Purgamenstris_38 + 7
16
17
23
28
4: Jamie19_34 + 7
15
16
17
23
25
26
27
28
29
31
5: Butters_38 + 1
1
2
3
4
7
8
10
11
14
15
16
17
23
25
26
27
28
29
31
6: Kevin1_36

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 224700 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224700 has 43 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Meyran_34
• Track 2 : Panchino_33, Carcharodon_37, Duplicity_37, Tapioca_38, Phloss_35, Phrann_38, MichelleMyBell_35, Gex_37, Silvafighter_38, Fulbright_36, Journey_35, Aggie_35, Silvy_35, Charlie_35, Magsby_37, Melville_39, Andies_34, Smurph_37, SpongeBob_34, Parmesanjohn_37, Snekmaggedon_34, Xerxes_37, Philonius_35
• Track 3 : Purgamenstris_38, Hanako_38, PhancyPhin_38, Nenae_38, Raymond7_32, BabeRuth_39, Redi_38, ShrimpFriedEgg_38
• Track 4 : Jamie19_34, Bosection6_35, SkinnyPete_32, Shweta_34, Xeno_34, Chewbacca_38, Schnauzer_37, Pipsqueaks_37
• Track 5 : Butters_38, Rubeelu_38
• Track 6 : Kevin1_36

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

The start number called the most often in the published annotations is 17, it was called in 35 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_35, Andies_34, BabeRuth_39, Butters_38, Carcharodon_37, Charlie_35, Duplicity_37, Fulbright_36, Gex_37, Hanako_38, Journey_35, Kevin1_36, Magsby_37, Melville_39, Meyran_34, MichelleMyBell_35, Nenae_38, Panchino_33, Parmesanjohn_37, PhancyPhin_38, Philonius_35, Phloss_35, Phrann_38, Purgamenstris_38, Raymond7_32, Redi_38, Rubeelu_38, ShrimpFriedEgg_38, Silvafighter_38, Silvy_35, Smurph_37, Snekmaggedon_34, SpongeBob_34, Tapioca_38, Xerxes_37,

Genes that have the "Most Annotated" start but do not call it:
• Bosection6_35, Chewbacca_38, Jamie19_34, Pipsqueaks_37, Schnauzer_37, Shweta_34, SkinnyPete_32, Xeno_34,

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

Summary by start number:

Start 16:
• Found in 34 of 43 (79.1%) of genes in pham
• Manual Annotations of this start: 8 of 43
• Called 23.5% of time when present
• Phage (with cluster) where this start called: Bosection6_35 (N), Chewbacca_38 (N), Jamie19_34 (N), Pipsqueaks_37 (N), Schnauzer_37 (N), Shweta_34 (N), SkinnyPete_32 (N), Xeno_34 (N),

Start 17:
• Found in 43 of 43 (100.0%) of genes in pham
• Manual Annotations of this start: 35 of 43
• Called 81.4% of time when present
• Phage (with cluster) where this start called: Aggie_35 (N), Andies_34 (N), BabeRuth_39 (N), Butters_38 (N), Carcharodon_37 (N), Charlie_35 (N), Duplicity_37 (N), Fulbright_36 (N), Gex_37 (N), Hanako_38 (N), Journey_35 (N), Kevin1_36 (N), Magsby_37 (N), Melville_39 (N), Meyran_34 (DT), MichelleMyBell_35 (N), Nenae_38 (N), Panchino_33 (N), Parmesanjohn_37 (N), PhancyPhin_38 (N), Philonius_35 (N), Phloss_35 (N), Phrann_38 (N), Purgamenstris_38 (N), Raymond7_32 (N), Redi_38 (N), Rubeelu_38 (N), ShrimpFriedEgg_38 (N), Silvafighter_38 (N), Silvy_35 (N), Smurph_37 (N), Snekmaggedon_34 (N), SpongeBob_34 (N), Tapioca_38 (N), Xerxes_37 (N),

Summary by clusters:

There are 2 clusters represented in this pham: DT, N,

Info for manual annotations of cluster DT:
•Start number 17 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster N:
•Start number 16 was manually annotated 8 times for cluster N.
•Start number 17 was manually annotated 34 times for cluster N.

Gene Information:

Gene: Aggie_35 Start: 27766, Stop: 27395, Start Num: 17
Candidate Starts for Aggie_35:
(Start: 16 @27802 has 8 MA's), (Start: 17 @27766 has 35 MA's), (23, 27640), (28, 27517),

Gene: Andies_34 Start: 28284, Stop: 27913, Start Num: 17
Candidate Starts for Andies_34:
(Start: 16 @28320 has 8 MA's), (Start: 17 @28284 has 35 MA's), (23, 28158), (28, 28035),

Gene: BabeRuth_39 Start: 29411, Stop: 29040, Start Num: 17
Candidate Starts for BabeRuth_39:
(Start: 17 @29411 has 35 MA's), (21, 29318), (22, 29303), (23, 29285), (24, 29282), (25, 29258), (26, 29234), (28, 29162),

Gene: Bosection6_35 Start: 27823, Stop: 27416, Start Num: 16
Candidate Starts for Bosection6_35:

(Start: 16 @27823 has 8 MA's), (Start: 17 @27787 has 35 MA's), (23, 27661), (28, 27538),

Gene: Butters_38 Start: 29838, Stop: 29467, Start Num: 17
Candidate Starts for Butters_38:
(15, 29907), (Start: 16 @29874 has 8 MA's), (Start: 17 @29838 has 35 MA's), (23, 29712), (25, 29685), (26, 29661), (27, 29610), (28, 29589), (29, 29523), (31, 29475),

Gene: Carcharodon_37 Start: 29095, Stop: 28724, Start Num: 17
Candidate Starts for Carcharodon_37:
(Start: 16 @29131 has 8 MA's), (Start: 17 @29095 has 35 MA's), (23, 28969), (28, 28846),

Gene: Charlie_35 Start: 27786, Stop: 27415, Start Num: 17
Candidate Starts for Charlie_35:
(Start: 16 @27822 has 8 MA's), (Start: 17 @27786 has 35 MA's), (23, 27660), (28, 27537),

Gene: Chewbacca_38 Start: 29131, Stop: 28724, Start Num: 16
Candidate Starts for Chewbacca_38:
(Start: 16 @29131 has 8 MA's), (Start: 17 @29095 has 35 MA's), (23, 28969), (28, 28846),

Gene: Duplicity_37 Start: 29104, Stop: 28733, Start Num: 17
Candidate Starts for Duplicity_37:
(Start: 16 @29140 has 8 MA's), (Start: 17 @29104 has 35 MA's), (23, 28978), (28, 28855),

Gene: Fulbright_36 Start: 28184, Stop: 27813, Start Num: 17
Candidate Starts for Fulbright_36:
(Start: 16 @28220 has 8 MA's), (Start: 17 @28184 has 35 MA's), (23, 28058), (28, 27935),

Gene: Gex_37 Start: 29111, Stop: 28740, Start Num: 17
Candidate Starts for Gex_37:
(Start: 16 @29147 has 8 MA's), (Start: 17 @29111 has 35 MA's), (23, 28985), (28, 28862),

Gene: Hanako_38 Start: 29410, Stop: 29039, Start Num: 17
Candidate Starts for Hanako_38:
(Start: 17 @29410 has 35 MA's), (21, 29317), (22, 29302), (23, 29284), (24, 29281), (25, 29257), (26, 29233), (28, 29161),

Gene: Jamie19_34 Start: 28201, Stop: 27794, Start Num: 16
Candidate Starts for Jamie19_34:
(Start: 16 @28201 has 8 MA's), (Start: 17 @28165 has 35 MA's), (23, 28039), (28, 27916),

Gene: Journey_35 Start: 27786, Stop: 27415, Start Num: 17
Candidate Starts for Journey_35:
(Start: 16 @27822 has 8 MA's), (Start: 17 @27786 has 35 MA's), (23, 27660), (28, 27537),

Gene: Kevin1_36 Start: 29017, Stop: 28646, Start Num: 17
Candidate Starts for Kevin1_36:
(1, 29584), (2, 29482), (3, 29431), (4, 29362), (5, 29344), (6, 29341), (7, 29305), (8, 29290), (9, 29281), (10, 29269), (11, 29251), (12, 29224), (13, 29221), (14, 29116), (15, 29086), (Start: 16 @29053 has 8 MA's), (Start: 17 @29017 has 35 MA's), (23, 28891), (25, 28864), (26, 28840), (27, 28789), (28, 28768), (29, 28702), (31, 28654),

Gene: Magsby_37 Start: 29112, Stop: 28741, Start Num: 17
Candidate Starts for Magsby_37:

(Start: 16 @29148 has 8 MA's), (Start: 17 @29112 has 35 MA's), (23, 28986), (28, 28863),

Gene: Melville_39 Start: 29096, Stop: 28725, Start Num: 17
Candidate Starts for Melville_39:
(Start: 16 @29132 has 8 MA's), (Start: 17 @29096 has 35 MA's), (23, 28970), (28, 28847),

Gene: Meyran_34 Start: 30905, Stop: 30549, Start Num: 17
Candidate Starts for Meyran_34:
(Start: 17 @30905 has 35 MA's), (18, 30887), (19, 30857), (20, 30839), (23, 30785), (28, 30662), (30, 30593),

Gene: MichelleMyBell_35 Start: 28103, Stop: 27732, Start Num: 17
Candidate Starts for MichelleMyBell_35:
(Start: 16 @28139 has 8 MA's), (Start: 17 @28103 has 35 MA's), (23, 27977), (28, 27854),

Gene: Nenae_38 Start: 29413, Stop: 29042, Start Num: 17
Candidate Starts for Nenae_38:
(Start: 17 @29413 has 35 MA's), (21, 29320), (22, 29305), (23, 29287), (24, 29284), (25, 29260), (26, 29236), (28, 29164),

Gene: Panchino_33 Start: 29511, Stop: 29140, Start Num: 17
Candidate Starts for Panchino_33:
(Start: 16 @29547 has 8 MA's), (Start: 17 @29511 has 35 MA's), (23, 29385), (28, 29262),

Gene: Parmesanjohn_37 Start: 29115, Stop: 28744, Start Num: 17
Candidate Starts for Parmesanjohn_37:
(Start: 16 @29151 has 8 MA's), (Start: 17 @29115 has 35 MA's), (23, 28989), (28, 28866),

Gene: PhancyPhin_38 Start: 29407, Stop: 29036, Start Num: 17
Candidate Starts for PhancyPhin_38:
(Start: 17 @29407 has 35 MA's), (21, 29314), (22, 29299), (23, 29281), (24, 29278), (25, 29254), (26, 29230), (28, 29158),

Gene: Philonius_35 Start: 27777, Stop: 27406, Start Num: 17
Candidate Starts for Philonius_35:
(Start: 16 @27813 has 8 MA's), (Start: 17 @27777 has 35 MA's), (23, 27651), (28, 27528),

Gene: Phloss_35 Start: 28522, Stop: 28151, Start Num: 17
Candidate Starts for Phloss_35:
(Start: 16 @28558 has 8 MA's), (Start: 17 @28522 has 35 MA's), (23, 28396), (28, 28273),

Gene: Phrann_38 Start: 30191, Stop: 29820, Start Num: 17
Candidate Starts for Phrann_38:
(Start: 16 @30227 has 8 MA's), (Start: 17 @30191 has 35 MA's), (23, 30065), (28, 29942),

Gene: Pipsqueaks_37 Start: 29128, Stop: 28721, Start Num: 16
Candidate Starts for Pipsqueaks_37:
(Start: 16 @29128 has 8 MA's), (Start: 17 @29092 has 35 MA's), (23, 28966), (28, 28843),

Gene: Purgamenstris_38 Start: 29411, Stop: 29040, Start Num: 17
Candidate Starts for Purgamenstris_38:
(Start: 17 @29411 has 35 MA's), (21, 29318), (22, 29303), (23, 29285), (24, 29282), (25, 29258), (26, 29234), (28, 29162),

Gene: Raymond7_32 Start: 29223, Stop: 28852, Start Num: 17
Candidate Starts for Raymond7_32:
(Start: 17 @29223 has 35 MA's), (21, 29130), (22, 29115), (23, 29097), (24, 29094), (25, 29070), (26, 29046), (28, 28974),

Gene: Redi_38 Start: 29410, Stop: 29039, Start Num: 17
Candidate Starts for Redi_38:
(Start: 17 @29410 has 35 MA's), (21, 29317), (22, 29302), (23, 29284), (24, 29281), (25, 29257), (26, 29233), (28, 29161),

Gene: Rubeelu_38 Start: 29838, Stop: 29467, Start Num: 17
Candidate Starts for Rubeelu_38:
(15, 29907), (Start: 16 @29874 has 8 MA's), (Start: 17 @29838 has 35 MA's), (23, 29712), (25, 29685), (26, 29661), (27, 29610), (28, 29589), (29, 29523), (31, 29475),

Gene: Schnauzer_37 Start: 29151, Stop: 28744, Start Num: 16
Candidate Starts for Schnauzer_37:
(Start: 16 @29151 has 8 MA's), (Start: 17 @29115 has 35 MA's), (23, 28989), (28, 28866),

Gene: ShrimpFriedEgg_38 Start: 29410, Stop: 29039, Start Num: 17
Candidate Starts for ShrimpFriedEgg_38:
(Start: 17 @29410 has 35 MA's), (21, 29317), (22, 29302), (23, 29284), (24, 29281), (25, 29257), (26, 29233), (28, 29161),

Gene: Shweta_34 Start: 28331, Stop: 27924, Start Num: 16
Candidate Starts for Shweta_34:
(Start: 16 @28331 has 8 MA's), (Start: 17 @28295 has 35 MA's), (23, 28169), (28, 28046),

Gene: Silvafighter_38 Start: 29088, Stop: 28717, Start Num: 17
Candidate Starts for Silvafighter_38:
(Start: 16 @29124 has 8 MA's), (Start: 17 @29088 has 35 MA's), (23, 28962), (28, 28839),

Gene: Silvy_35 Start: 27766, Stop: 27395, Start Num: 17
Candidate Starts for Silvy_35:
(Start: 16 @27802 has 8 MA's), (Start: 17 @27766 has 35 MA's), (23, 27640), (28, 27517),

Gene: SkinnyPete_32 Start: 26862, Stop: 26455, Start Num: 16
Candidate Starts for SkinnyPete_32:
(Start: 16 @26862 has 8 MA's), (Start: 17 @26826 has 35 MA's), (23, 26700), (28, 26577),

Gene: Smurph_37 Start: 29115, Stop: 28744, Start Num: 17
Candidate Starts for Smurph_37:
(Start: 16 @29151 has 8 MA's), (Start: 17 @29115 has 35 MA's), (23, 28989), (28, 28866),

Gene: Snekmaggedon_34 Start: 28165, Stop: 27794, Start Num: 17
Candidate Starts for Snekmaggedon_34:
(Start: 16 @28201 has 8 MA's), (Start: 17 @28165 has 35 MA's), (23, 28039), (28, 27916),

Gene: SpongeBob_34 Start: 28165, Stop: 27794, Start Num: 17
Candidate Starts for SpongeBob_34:
(Start: 16 @28201 has 8 MA's), (Start: 17 @28165 has 35 MA's), (23, 28039), (28, 27916),

Gene: Tapioca_38 Start: 29081, Stop: 28710, Start Num: 17
Candidate Starts for Tapioca_38:
(Start: 16 @29117 has 8 MA's), (Start: 17 @29081 has 35 MA's), (23, 28955), (28, 28832),

Gene: Xeno_34 Start: 27588, Stop: 27181, Start Num: 16
Candidate Starts for Xeno_34:
(Start: 16 @27588 has 8 MA's), (Start: 17 @27552 has 35 MA's), (23, 27426), (28, 27303),

Gene: Xerxes_37 Start: 29112, Stop: 28741, Start Num: 17
Candidate Starts for Xerxes_37:
(Start: 16 @29148 has 8 MA's), (Start: 17 @29112 has 35 MA's), (23, 28986), (28, 28863),