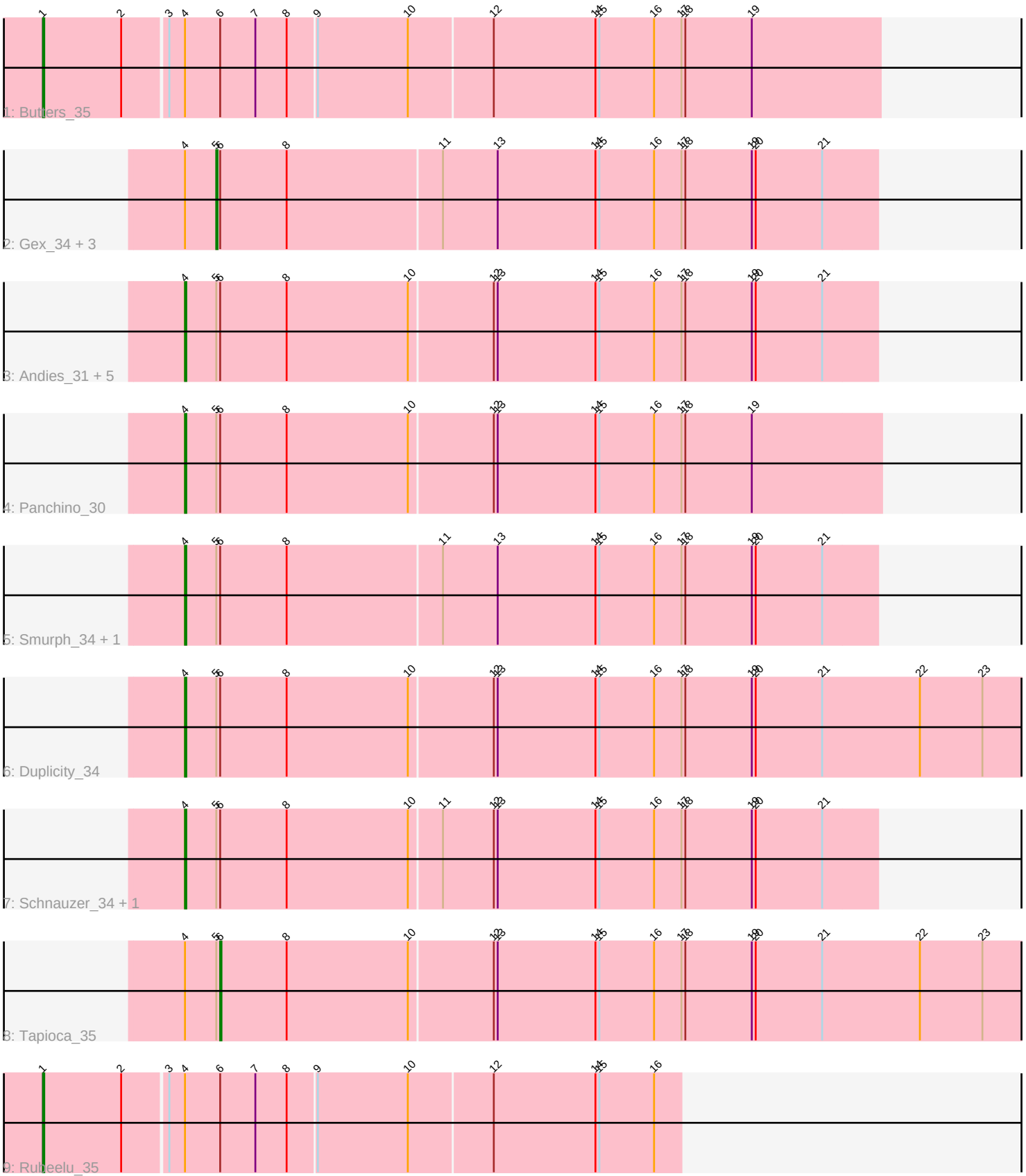
Pham 203343


1: Butters_35
2: Gex_34 + 3
3: Andies_31 + 5
4: Panchino_30
5: Smurph_34 + 1
6: Duplicity_34
7: Schnauzer_34 + 1
8: Tapioca_35
9: Rubeelu_35

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 203343 Report

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

Pham number 203343 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Butters_35
• Track 2 : Gex_34, Magsby_34, Fulbright_33, Xerxes_34
• Track 3 : Andies_31, Shweta_31, SpongeBob_31, Jamie19_31, MichelleMyBell_32, Snekmaggedon_31
• Track 4 : Panchino_30
• Track 5 : Smurph_34, Parmesanjohn_34
• Track 6 : Duplicity_34
• Track 7 : Schnauzer_34, Pipsqueaks_34
• Track 8 : Tapioca_35
• Track 9 : Rubeelu_35

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

The start number called the most often in the published annotations is 4, it was called in 12 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andies_31, Duplicity_34, Jamie19_31, MichelleMyBell_32, Panchino_30, Parmesanjohn_34, Pipsqueaks_34, Schnauzer_34, Shweta_31, Smurph_34, Snekmaggedon_31, SpongeBob_31,

Genes that have the "Most Annotated" start but do not call it:
• Butters_35, Fulbright_33, Gex_34, Magsby_34, Rubeelu_35, Tapioca_35, Xerxes_34,

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

Summary by start number:

Start 1:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Butters_35 (N), Rubeelu_35 (N),

Start 4:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 19
• Called 63.2% of time when present
• Phage (with cluster) where this start called: Andies_31 (N), Duplicity_34 (N), Jamie19_31 (N), MichelleMyBell_32 (N), Panchino_30 (N), Parmesanjohn_34 (N), Pipsqueaks_34 (N), Schnauzer_34 (N), Shweta_31 (N), Smurph_34 (N), Snekmaggedon_31 (N), SpongeBob_31 (N),

Start 5:
• Found in 17 of 19 (89.5%) of genes in pham
• Manual Annotations of this start: 4 of 19
• Called 23.5% of time when present
• Phage (with cluster) where this start called: Fulbright_33 (N), Gex_34 (N), Magsby_34 (N), Xerxes_34 (N),

Start 6:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Tapioca_35 (N),

Summary by clusters:

There is one cluster represented in this pham: N

Info for manual annotations of cluster N:
•Start number 1 was manually annotated 2 times for cluster N.
•Start number 4 was manually annotated 12 times for cluster N.
•Start number 5 was manually annotated 4 times for cluster N.
•Start number 6 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Andies_31 Start: 26518, Stop: 25991, Start Num: 4
Candidate Starts for Andies_31:
(Start: 4 @26518 has 12 MA's), (Start: 5 @26494 has 4 MA's), (Start: 6 @26491 has 1 MA's), (8, 26440), (10, 26347), (12, 26284), (13, 26281), (14, 26206), (15, 26203), (16, 26161), (17, 26140), (18, 26137), (19, 26086), (20, 26083), (21, 26032),

Gene: Butters_35 Start: 28070, Stop: 27438, Start Num: 1
Candidate Starts for Butters_35:
(Start: 1 @28070 has 2 MA's), (2, 28010), (3, 27977), (Start: 4 @27965 has 12 MA's), (Start: 6 @27938 has 1 MA's), (7, 27911), (8, 27887), (9, 27866), (10, 27797), (12, 27734), (14, 27656), (15, 27653), (16, 27611), (17, 27590), (18, 27587), (19, 27536),

Gene: Duplicity_34 Start: 27338, Stop: 26694, Start Num: 4
Candidate Starts for Duplicity_34:

(Start: 4 @27338 has 12 MA's), (Start: 5 @27314 has 4 MA's), (Start: 6 @27311 has 1 MA's), (8, 27260), (10, 27167), (12, 27104), (13, 27101), (14, 27026), (15, 27023), (16, 26981), (17, 26960), (18, 26957), (19, 26906), (20, 26903), (21, 26852), (22, 26777), (23, 26729),

Gene: Fulbright_33 Start: 26394, Stop: 25891, Start Num: 5
Candidate Starts for Fulbright_33:
(Start: 4 @26418 has 12 MA's), (Start: 5 @26394 has 4 MA's), (Start: 6 @26391 has 1 MA's), (8, 26340), (11, 26223), (13, 26181), (14, 26106), (15, 26103), (16, 26061), (17, 26040), (18, 26037), (19, 25986), (20, 25983), (21, 25932),

Gene: Gex_34 Start: 27321, Stop: 26818, Start Num: 5
Candidate Starts for Gex_34:
(Start: 4 @27345 has 12 MA's), (Start: 5 @27321 has 4 MA's), (Start: 6 @27318 has 1 MA's), (8, 27267), (11, 27150), (13, 27108), (14, 27033), (15, 27030), (16, 26988), (17, 26967), (18, 26964), (19, 26913), (20, 26910), (21, 26859),

Gene: Jamie19_31 Start: 26399, Stop: 25872, Start Num: 4
Candidate Starts for Jamie19_31:
(Start: 4 @26399 has 12 MA's), (Start: 5 @26375 has 4 MA's), (Start: 6 @26372 has 1 MA's), (8, 26321), (10, 26228), (12, 26165), (13, 26162), (14, 26087), (15, 26084), (16, 26042), (17, 26021), (18, 26018), (19, 25967), (20, 25964), (21, 25913),

Gene: Magsby_34 Start: 27322, Stop: 26819, Start Num: 5
Candidate Starts for Magsby_34:
(Start: 4 @27346 has 12 MA's), (Start: 5 @27322 has 4 MA's), (Start: 6 @27319 has 1 MA's), (8, 27268), (11, 27151), (13, 27109), (14, 27034), (15, 27031), (16, 26989), (17, 26968), (18, 26965), (19, 26914), (20, 26911), (21, 26860),

Gene: MichelleMyBell_32 Start: 26337, Stop: 25810, Start Num: 4
Candidate Starts for MichelleMyBell_32:
(Start: 4 @26337 has 12 MA's), (Start: 5 @26313 has 4 MA's), (Start: 6 @26310 has 1 MA's), (8, 26259), (10, 26166), (12, 26103), (13, 26100), (14, 26025), (15, 26022), (16, 25980), (17, 25959), (18, 25956), (19, 25905), (20, 25902), (21, 25851),

Gene: Panchino_30 Start: 27745, Stop: 27215, Start Num: 4
Candidate Starts for Panchino_30:
(Start: 4 @27745 has 12 MA's), (Start: 5 @27721 has 4 MA's), (Start: 6 @27718 has 1 MA's), (8, 27667), (10, 27574), (12, 27511), (13, 27508), (14, 27433), (15, 27430), (16, 27388), (17, 27367), (18, 27364), (19, 27313),

Gene: Parmesanjohn_34 Start: 27349, Stop: 26822, Start Num: 4
Candidate Starts for Parmesanjohn_34:
(Start: 4 @27349 has 12 MA's), (Start: 5 @27325 has 4 MA's), (Start: 6 @27322 has 1 MA's), (8, 27271), (11, 27154), (13, 27112), (14, 27037), (15, 27034), (16, 26992), (17, 26971), (18, 26968), (19, 26917), (20, 26914), (21, 26863),

Gene: Pipsqueaks_34 Start: 27326, Stop: 26799, Start Num: 4
Candidate Starts for Pipsqueaks_34:
(Start: 4 @27326 has 12 MA's), (Start: 5 @27302 has 4 MA's), (Start: 6 @27299 has 1 MA's), (8, 27248), (10, 27155), (11, 27131), (12, 27092), (13, 27089), (14, 27014), (15, 27011), (16, 26969), (17, 26948), (18, 26945), (19, 26894), (20, 26891), (21, 26840),

Gene: Rubeelu_35 Start: 28070, Stop: 27591, Start Num: 1

Candidate Starts for Rubeelu_35:
(Start: 1 @28070 has 2 MA's), (2, 28010), (3, 27977), (Start: 4 @27965 has 12 MA's), (Start: 6 @27938 has 1 MA's), (7, 27911), (8, 27887), (9, 27866), (10, 27797), (12, 27734), (14, 27656), (15, 27653), (16, 27611),

Gene: Schnauzer_34 Start: 27349, Stop: 26822, Start Num: 4
Candidate Starts for Schnauzer_34:
(Start: 4 @27349 has 12 MA's), (Start: 5 @27325 has 4 MA's), (Start: 6 @27322 has 1 MA's), (8, 27271), (10, 27178), (11, 27154), (12, 27115), (13, 27112), (14, 27037), (15, 27034), (16, 26992), (17, 26971), (18, 26968), (19, 26917), (20, 26914), (21, 26863),

Gene: Shweta_31 Start: 26529, Stop: 26002, Start Num: 4
Candidate Starts for Shweta_31:
(Start: 4 @26529 has 12 MA's), (Start: 5 @26505 has 4 MA's), (Start: 6 @26502 has 1 MA's), (8, 26451), (10, 26358), (12, 26295), (13, 26292), (14, 26217), (15, 26214), (16, 26172), (17, 26151), (18, 26148), (19, 26097), (20, 26094), (21, 26043),

Gene: Smurph_34 Start: 27349, Stop: 26822, Start Num: 4
Candidate Starts for Smurph_34:
(Start: 4 @27349 has 12 MA's), (Start: 5 @27325 has 4 MA's), (Start: 6 @27322 has 1 MA's), (8, 27271), (11, 27154), (13, 27112), (14, 27037), (15, 27034), (16, 26992), (17, 26971), (18, 26968), (19, 26917), (20, 26914), (21, 26863),

Gene: Snekmaggedon_31 Start: 26399, Stop: 25872, Start Num: 4
Candidate Starts for Snekmaggedon_31:
(Start: 4 @26399 has 12 MA's), (Start: 5 @26375 has 4 MA's), (Start: 6 @26372 has 1 MA's), (8, 26321), (10, 26228), (12, 26165), (13, 26162), (14, 26087), (15, 26084), (16, 26042), (17, 26021), (18, 26018), (19, 25967), (20, 25964), (21, 25913),

Gene: SpongeBob_31 Start: 26399, Stop: 25872, Start Num: 4
Candidate Starts for SpongeBob_31:
(Start: 4 @26399 has 12 MA's), (Start: 5 @26375 has 4 MA's), (Start: 6 @26372 has 1 MA's), (8, 26321), (10, 26228), (12, 26165), (13, 26162), (14, 26087), (15, 26084), (16, 26042), (17, 26021), (18, 26018), (19, 25967), (20, 25964), (21, 25913),

Gene: Tapioca_35 Start: 27288, Stop: 26671, Start Num: 6
Candidate Starts for Tapioca_35:
(Start: 4 @27315 has 12 MA's), (Start: 5 @27291 has 4 MA's), (Start: 6 @27288 has 1 MA's), (8, 27237), (10, 27144), (12, 27081), (13, 27078), (14, 27003), (15, 27000), (16, 26958), (17, 26937), (18, 26934), (19, 26883), (20, 26880), (21, 26829), (22, 26754), (23, 26706),

Gene: Xerxes_34 Start: 27322, Stop: 26819, Start Num: 5
Candidate Starts for Xerxes_34:
(Start: 4 @27346 has 12 MA's), (Start: 5 @27322 has 4 MA's), (Start: 6 @27319 has 1 MA's), (8, 27268), (11, 27151), (13, 27109), (14, 27034), (15, 27031), (16, 26989), (17, 26968), (18, 26965), (19, 26914), (20, 26911), (21, 26860),