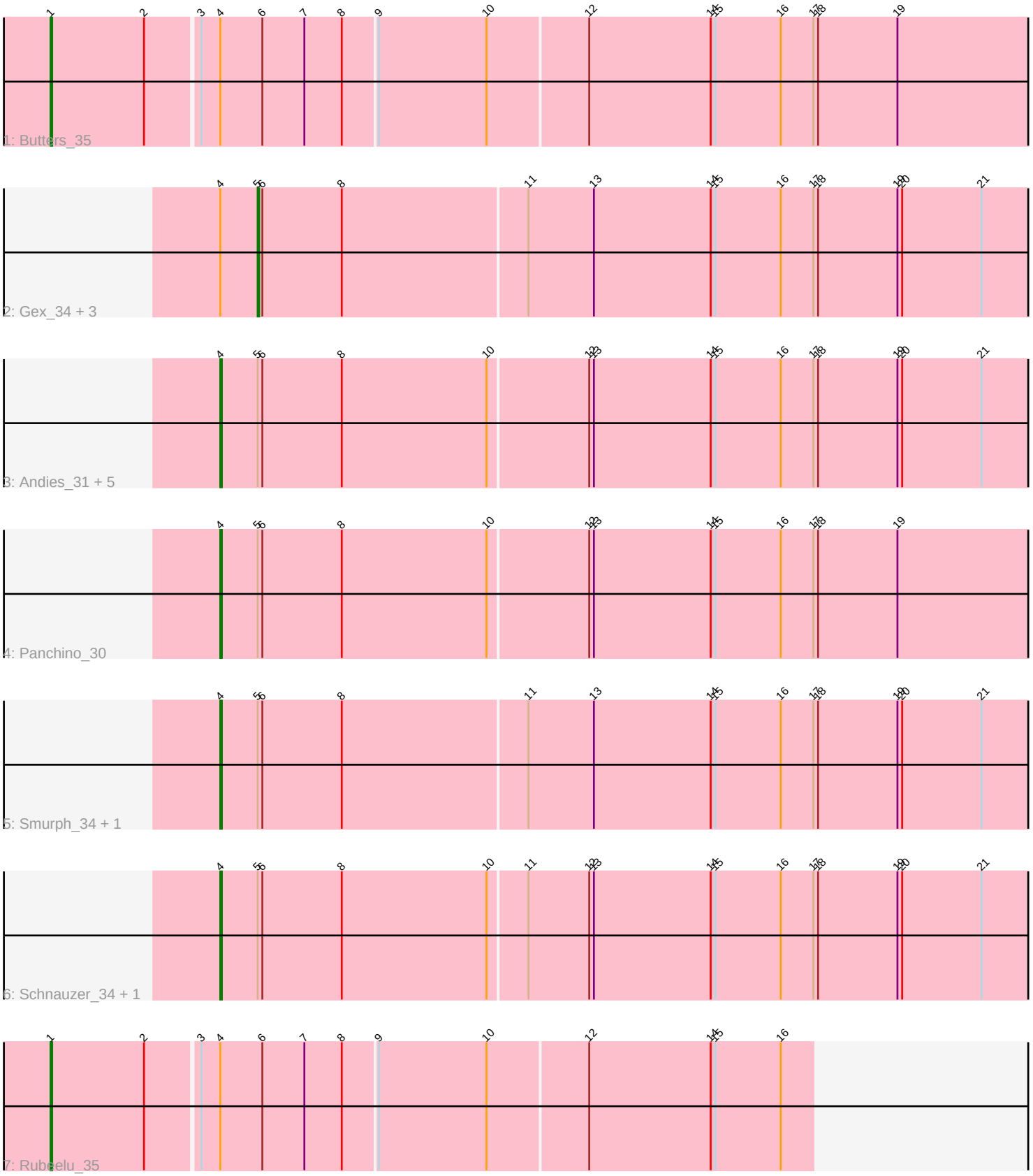
Pham 285985


1: Butters_35
2: Gex_34 + 3
3: Andies_31 + 5
4: Panchino_30
5: Smurph_34 + 1
6: Schnauzer_34 + 1
7: Rubbelu_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 285985 Report

This analysis was run 03/28/26 on database version 641.

Pham number 285985 has 17 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, SpongeBob_31, Jamie19_31, Shweta_31, MichelleMyBell_32, Snekmaggedon_31
• Track 4 : Panchino_30
• Track 5 : Smurph_34, Parmesanjohn_34
• Track 6 : Schnauzer_34, Pipsqueaks_34
• Track 7 : 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 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andies_31, 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, Xerxes_34,

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

Summary by start number:

Start 1:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Butters_35 (N), Rubeelu_35 (N),

Start 4:

• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 64.7% of time when present
• Phage (with cluster) where this start called: Andies_31 (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 15 of 17 (88.2%) of genes in pham
• Manual Annotations of this start: 4 of 17
• Called 26.7% of time when present
• Phage (with cluster) where this start called: Fulbright_33 (N), Gex_34 (N), Magsby_34 (N), Xerxes_34 (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 11 times for cluster N.
•Start number 5 was manually annotated 4 times for cluster N.

Gene Information:

Gene: Andies_31 Start: 26518, Stop: 25991, Start Num: 4
Candidate Starts for Andies_31:
(Start: 4 @26518 has 11 MA's), (Start: 5 @26494 has 4 MA's), (6, 26491), (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 11 MA's), (6, 27938), (7, 27911), (8, 27887), (9, 27866), (10, 27797), (12, 27734), (14, 27656), (15, 27653), (16, 27611), (17, 27590), (18, 27587), (19, 27536),

Gene: Fulbright_33 Start: 26394, Stop: 25891, Start Num: 5
Candidate Starts for Fulbright_33:
(Start: 4 @26418 has 11 MA's), (Start: 5 @26394 has 4 MA's), (6, 26391), (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 11 MA's), (Start: 5 @27321 has 4 MA's), (6, 27318), (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 11 MA's), (Start: 5 @26375 has 4 MA's), (6, 26372), (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 11 MA's), (Start: 5 @27322 has 4 MA's), (6, 27319), (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 11 MA's), (Start: 5 @26313 has 4 MA's), (6, 26310), (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 11 MA's), (Start: 5 @27721 has 4 MA's), (6, 27718), (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 11 MA's), (Start: 5 @27325 has 4 MA's), (6, 27322), (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 11 MA's), (Start: 5 @27302 has 4 MA's), (6, 27299), (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 11 MA's), (6, 27938), (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 11 MA's), (Start: 5 @27325 has 4 MA's), (6, 27322), (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 11 MA's), (Start: 5 @26505 has 4 MA's), (6, 26502), (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 11 MA's), (Start: 5 @27325 has 4 MA's), (6, 27322), (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 11 MA's), (Start: 5 @26375 has 4 MA's), (6, 26372), (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 11 MA's), (Start: 5 @26375 has 4 MA's), (6, 26372), (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: Xerxes_34 Start: 27322, Stop: 26819, Start Num: 5
Candidate Starts for Xerxes_34:
(Start: 4 @27346 has 11 MA's), (Start: 5 @27322 has 4 MA's), (6, 27319), (8, 27268), (11, 27151), (13, 27109), (14, 27034), (15, 27031), (16, 26989), (17, 26968), (18, 26965), (19, 26914), (20, 26911), (21, 26860),