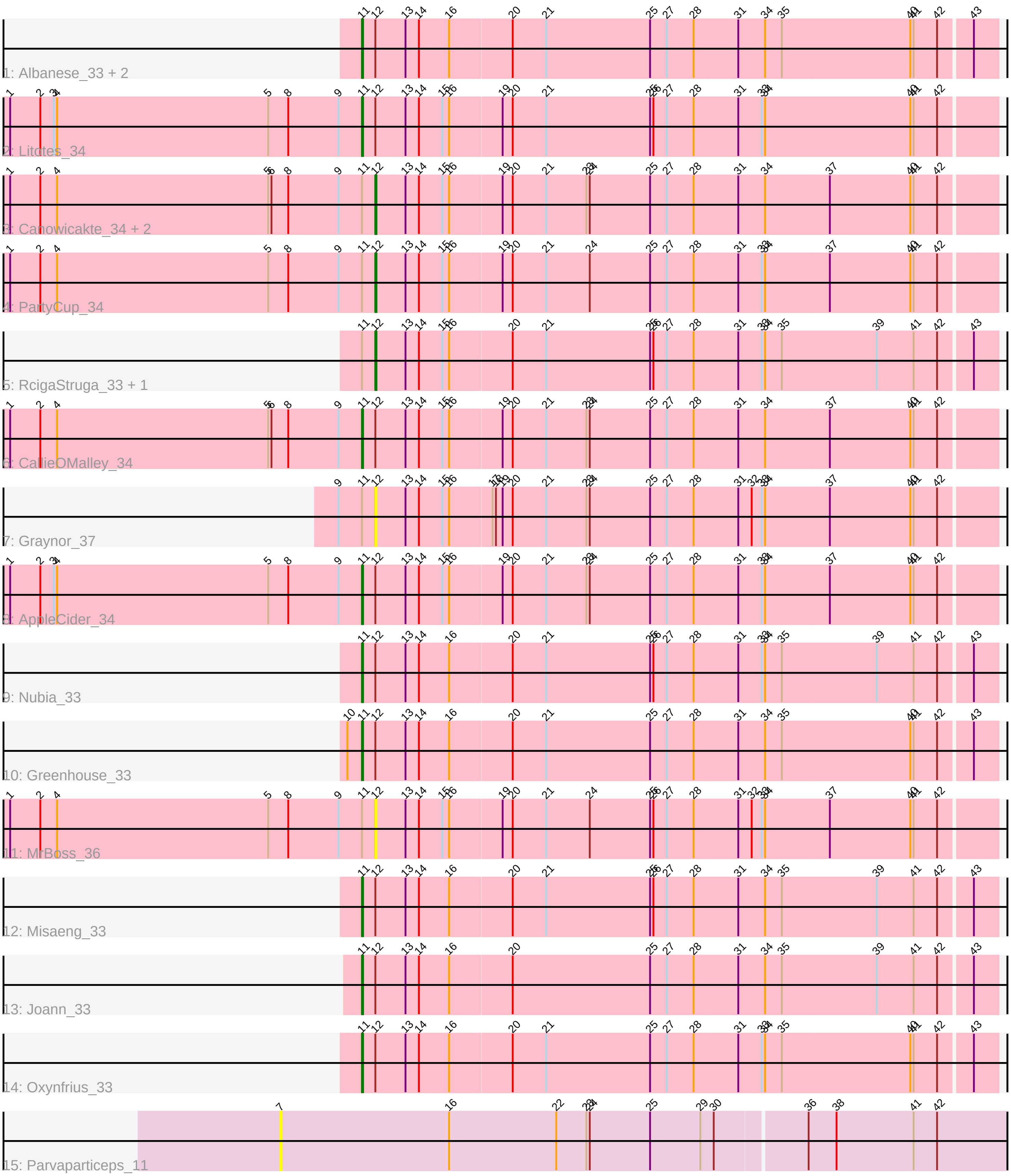
Pham 296981


1: Albanese_33 + 2
2: Litotes_34
3: Canowicakte_34 + 2
4: PartyCup_34
5: RciqaStruga_33 + 1
6: CallieOMalley_34
7: Graynor_37
8: AppleCider_34
9: Nubia_33
10: Greenhouse_33
11: MrBoss_36
12: Misaeng_33
13: Joann_33
14: Oxynfrius_33
15: Parvaparticeps_11

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 296981 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296981 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Albanese_33, Lakshmi_33, GreenHearts_33
• Track 2 : Litotes_34
• Track 3 : Canowicakte_34, Suppi_34, Wayne_34
• Track 4 : PartyCup_34
• Track 5 : RcigaStruga_33, Huntingdon_33
• Track 6 : CallieOMalley_34
• Track 7 : Graynor_37
• Track 8 : AppleCider_34
• Track 9 : Nubia_33
• Track 10 : Greenhouse_33
• Track 11 : MrBoss_36
• Track 12 : Misaeng_33
• Track 13 : Joann_33
• Track 14 : Oxynfrius_33
• Track 15 : Parvaparticeps_11

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

The start number called the most often in the published annotations is 11, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Albanese_33, AppleCider_34, CallieOMalley_34, GreenHearts_33, Greenhouse_33, Joann_33, Lakshmi_33, Litotes_34, Misaeng_33, Nubia_33, Oxynfrius_33,

Genes that have the "Most Annotated" start but do not call it:
• Canowicakte_34, Graynor_37, Huntingdon_33, MrBoss_36, PartyCup_34, RcigaStruga_33, Suppi_34, Wayne_34,

Genes that do not have the "Most Annotated" start:
• Parvaparticeps_11,

Summary by start number:

Start 7:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Parvaparticeps_11 (UNK),

Start 11:
• Found in 19 of 20 (95.0%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 57.9% of time when present
• Phage (with cluster) where this start called: Albanese_33 (AK), AppleCider_34 (AK), CallieOMalley_34 (AK), GreenHearts_33 (AK), Greenhouse_33 (AK), Joann_33 (AK), Lakshmi_33 (AK), Litotes_34 (AK), Misaeng_33 (AK), Nubia_33 (AK), Oxynfrius_33 (AK),

Start 12:
• Found in 19 of 20 (95.0%) of genes in pham
• Manual Annotations of this start: 6 of 17
• Called 42.1% of time when present
• Phage (with cluster) where this start called: Canowicakte_34 (AK), Graynor_37 (AK), Huntingdon_33 (AK), MrBoss_36 (AK), PartyCup_34 (AK), RcigaStruga_33 (AK), Suppi_34 (AK), Wayne_34 (AK),

Summary by clusters:

There are 2 clusters represented in this pham: AK, UNK,

Info for manual annotations of cluster AK:
•Start number 11 was manually annotated 11 times for cluster AK.
•Start number 12 was manually annotated 6 times for cluster AK.

Gene Information:

Gene: Albanese_33 Start: 25146, Stop: 25703, Start Num: 11
Candidate Starts for Albanese_33:
(Start: 11 @25146 has 11 MA's), (Start: 12 @25158 has 6 MA's), (13, 25185), (14, 25197), (16, 25224), (20, 25278), (21, 25308), (25, 25401), (27, 25416), (28, 25440), (31, 25479), (34, 25503), (35, 25518), (40, 25632), (41, 25635), (42, 25656), (43, 25683),

Gene: AppleCider_34 Start: 25187, Stop: 25744, Start Num: 11
Candidate Starts for AppleCider_34:
(1, 24872), (2, 24899), (3, 24911), (4, 24914), (5, 25103), (8, 25121), (9, 25166), (Start: 11 @25187 has 11 MA's), (Start: 12 @25199 has 6 MA's), (13, 25226), (14, 25238), (15, 25259), (16, 25265), (19, 25310), (20, 25319), (21, 25349), (23, 25385), (24, 25388), (25, 25442), (27, 25457), (28, 25481), (31, 25520), (33, 25541), (34, 25544), (37, 25601), (40, 25673), (41, 25676), (42, 25697),

Gene: CallieOMalley_34 Start: 25187, Stop: 25744, Start Num: 11
Candidate Starts for CallieOMalley_34:
(1, 24872), (2, 24899), (4, 24914), (5, 25103), (6, 25106), (8, 25121), (9, 25166), (Start: 11 @25187 has 11 MA's), (Start: 12 @25199 has 6 MA's), (13, 25226), (14, 25238), (15, 25259), (16, 25265), (19,

25310), (20, 25319), (21, 25349), (23, 25385), (24, 25388), (25, 25442), (27, 25457), (28, 25481), (31, 25520), (34, 25544), (37, 25601), (40, 25673), (41, 25676), (42, 25697),

Gene: Canowicakte_34 Start: 25234, Stop: 25779, Start Num: 12
Candidate Starts for Canowicakte_34:
(1, 24907), (2, 24934), (4, 24949), (5, 25138), (6, 25141), (8, 25156), (9, 25201), (Start: 11 @25222 has 11 MA's), (Start: 12 @25234 has 6 MA's), (13, 25261), (14, 25273), (15, 25294), (16, 25300), (19, 25345), (20, 25354), (21, 25384), (23, 25420), (24, 25423), (25, 25477), (27, 25492), (28, 25516), (31, 25555), (34, 25579), (37, 25636), (40, 25708), (41, 25711), (42, 25732),

Gene: Graynor_37 Start: 25220, Stop: 25765, Start Num: 12
Candidate Starts for Graynor_37:
(9, 25187), (Start: 11 @25208 has 11 MA's), (Start: 12 @25220 has 6 MA's), (13, 25247), (14, 25259), (15, 25280), (16, 25286), (17, 25322), (18, 25325), (19, 25331), (20, 25340), (21, 25370), (23, 25406), (24, 25409), (25, 25463), (27, 25478), (28, 25502), (31, 25541), (32, 25553), (33, 25562), (34, 25565), (37, 25622), (40, 25694), (41, 25697), (42, 25718),

Gene: GreenHearts_33 Start: 25238, Stop: 25795, Start Num: 11
Candidate Starts for GreenHearts_33:
(Start: 11 @25238 has 11 MA's), (Start: 12 @25250 has 6 MA's), (13, 25277), (14, 25289), (16, 25316), (20, 25370), (21, 25400), (25, 25493), (27, 25508), (28, 25532), (31, 25571), (34, 25595), (35, 25610), (40, 25724), (41, 25727), (42, 25748), (43, 25775),

Gene: Greenhouse_33 Start: 25152, Stop: 25709, Start Num: 11
Candidate Starts for Greenhouse_33:
(10, 25140), (Start: 11 @25152 has 11 MA's), (Start: 12 @25164 has 6 MA's), (13, 25191), (14, 25203), (16, 25230), (20, 25284), (21, 25314), (25, 25407), (27, 25422), (28, 25446), (31, 25485), (34, 25509), (35, 25524), (40, 25638), (41, 25641), (42, 25662), (43, 25689),

Gene: Huntingdon_33 Start: 25142, Stop: 25687, Start Num: 12
Candidate Starts for Huntingdon_33:
(Start: 11 @25130 has 11 MA's), (Start: 12 @25142 has 6 MA's), (13, 25169), (14, 25181), (15, 25202), (16, 25208), (20, 25262), (21, 25292), (25, 25385), (26, 25388), (27, 25400), (28, 25424), (31, 25463), (33, 25484), (34, 25487), (35, 25502), (39, 25586), (41, 25619), (42, 25640), (43, 25667),

Gene: Joann_33 Start: 25123, Stop: 25680, Start Num: 11
Candidate Starts for Joann_33:
(Start: 11 @25123 has 11 MA's), (Start: 12 @25135 has 6 MA's), (13, 25162), (14, 25174), (16, 25201), (20, 25255), (25, 25378), (27, 25393), (28, 25417), (31, 25456), (34, 25480), (35, 25495), (39, 25579), (41, 25612), (42, 25633), (43, 25660),

Gene: Lakshmi_33 Start: 25122, Stop: 25679, Start Num: 11
Candidate Starts for Lakshmi_33:
(Start: 11 @25122 has 11 MA's), (Start: 12 @25134 has 6 MA's), (13, 25161), (14, 25173), (16, 25200), (20, 25254), (21, 25284), (25, 25377), (27, 25392), (28, 25416), (31, 25455), (34, 25479), (35, 25494), (40, 25608), (41, 25611), (42, 25632), (43, 25659),

Gene: Litotes_34 Start: 25172, Stop: 25729, Start Num: 11
Candidate Starts for Litotes_34:
(1, 24857), (2, 24884), (3, 24896), (4, 24899), (5, 25088), (8, 25106), (9, 25151), (Start: 11 @25172 has 11 MA's), (Start: 12 @25184 has 6 MA's), (13, 25211), (14, 25223), (15, 25244), (16, 25250), (19, 25295), (20, 25304), (21, 25334), (25, 25427), (26, 25430), (27, 25442), (28, 25466), (31, 25505), (33, 25526), (34, 25529), (40, 25658), (41, 25661), (42, 25682),

Gene: Misaeng_33 Start: 25361, Stop: 25918, Start Num: 11
Candidate Starts for Misaeng_33:
(Start: 11 @25361 has 11 MA's), (Start: 12 @25373 has 6 MA's), (13, 25400), (14, 25412), (16, 25439), (20, 25493), (21, 25523), (25, 25616), (26, 25619), (27, 25631), (28, 25655), (31, 25694), (34, 25718), (35, 25733), (39, 25817), (41, 25850), (42, 25871), (43, 25898),

Gene: MrBoss_36 Start: 25184, Stop: 25729, Start Num: 12
Candidate Starts for MrBoss_36:
(1, 24857), (2, 24884), (4, 24899), (5, 25088), (8, 25106), (9, 25151), (Start: 11 @25172 has 11 MA's), (Start: 12 @25184 has 6 MA's), (13, 25211), (14, 25223), (15, 25244), (16, 25250), (19, 25295), (20, 25304), (21, 25334), (24, 25373), (25, 25427), (26, 25430), (27, 25442), (28, 25466), (31, 25505), (32, 25517), (33, 25526), (34, 25529), (37, 25586), (40, 25658), (41, 25661), (42, 25682),

Gene: Nubia_33 Start: 25071, Stop: 25628, Start Num: 11
Candidate Starts for Nubia_33:
(Start: 11 @25071 has 11 MA's), (Start: 12 @25083 has 6 MA's), (13, 25110), (14, 25122), (16, 25149), (20, 25203), (21, 25233), (25, 25326), (26, 25329), (27, 25341), (28, 25365), (31, 25404), (33, 25425), (34, 25428), (35, 25443), (39, 25527), (41, 25560), (42, 25581), (43, 25608),

Gene: Oxynfrius_33 Start: 25096, Stop: 25653, Start Num: 11
Candidate Starts for Oxynfrius_33:
(Start: 11 @25096 has 11 MA's), (Start: 12 @25108 has 6 MA's), (13, 25135), (14, 25147), (16, 25174), (20, 25228), (21, 25258), (25, 25351), (27, 25366), (28, 25390), (31, 25429), (33, 25450), (34, 25453), (35, 25468), (40, 25582), (41, 25585), (42, 25606), (43, 25633),

Gene: PartyCup_34 Start: 25231, Stop: 25776, Start Num: 12
Candidate Starts for PartyCup_34:
(1, 24904), (2, 24931), (4, 24946), (5, 25135), (8, 25153), (9, 25198), (Start: 11 @25219 has 11 MA's), (Start: 12 @25231 has 6 MA's), (13, 25258), (14, 25270), (15, 25291), (16, 25297), (19, 25342), (20, 25351), (21, 25381), (24, 25420), (25, 25474), (27, 25489), (28, 25513), (31, 25552), (33, 25573), (34, 25576), (37, 25633), (40, 25705), (41, 25708), (42, 25729),

Gene: Parvaparticeps_11 Start: 7129, Stop: 7770, Start Num: 7
Candidate Starts for Parvaparticeps_11:
(7, 7129), (16, 7279), (22, 7375), (23, 7402), (24, 7405), (25, 7459), (29, 7504), (30, 7516), (36, 7594), (38, 7618), (41, 7687), (42, 7708),

Gene: RcigaStruga_33 Start: 25142, Stop: 25687, Start Num: 12
Candidate Starts for RcigaStruga_33:
(Start: 11 @25130 has 11 MA's), (Start: 12 @25142 has 6 MA's), (13, 25169), (14, 25181), (15, 25202), (16, 25208), (20, 25262), (21, 25292), (25, 25385), (26, 25388), (27, 25400), (28, 25424), (31, 25463), (33, 25484), (34, 25487), (35, 25502), (39, 25586), (41, 25619), (42, 25640), (43, 25667),

Gene: Suppi_34 Start: 25234, Stop: 25779, Start Num: 12
Candidate Starts for Suppi_34:
(1, 24907), (2, 24934), (4, 24949), (5, 25138), (6, 25141), (8, 25156), (9, 25201), (Start: 11 @25222 has 11 MA's), (Start: 12 @25234 has 6 MA's), (13, 25261), (14, 25273), (15, 25294), (16, 25300), (19, 25345), (20, 25354), (21, 25384), (23, 25420), (24, 25423), (25, 25477), (27, 25492), (28, 25516), (31, 25555), (34, 25579), (37, 25636), (40, 25708), (41, 25711), (42, 25732),

Gene: Wayne_34 Start: 25280, Stop: 25825, Start Num: 12
Candidate Starts for Wayne_34:

(1, 24953), (2, 24980), (4, 24995), (5, 25184), (6, 25187), (8, 25202), (9, 25247), (Start: 11 @25268 has 11 MA's), (Start: 12 @25280 has 6 MA's), (13, 25307), (14, 25319), (15, 25340), (16, 25346), (19, 25391), (20, 25400), (21, 25430), (23, 25466), (24, 25469), (25, 25523), (27, 25538), (28, 25562), (31, 25601), (34, 25625), (37, 25682), (40, 25754), (41, 25757), (42, 25778),