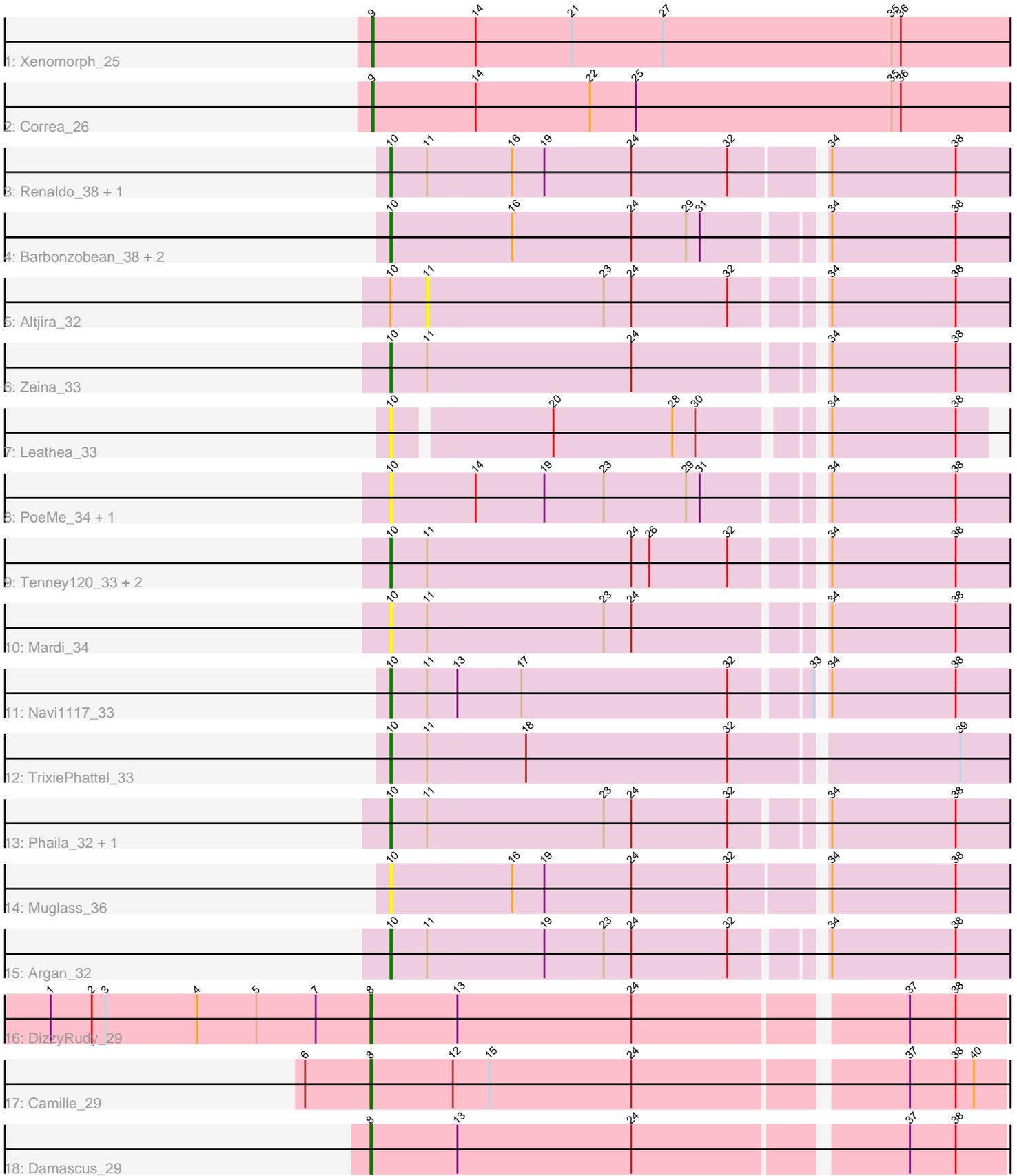


Pham 284135



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 284135 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284135 has 25 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Xenomorph_25
- Track 2 : Correa_26
- Track 3 : Renaldo_38, Biscute_34
- Track 4 : Barbonzobean_38, Lewando_36, Kinny_35
- Track 5 : Altjira_32
- Track 6 : Zeina_33
- Track 7 : Leathea_33
- Track 8 : PoeMe_34, Stardrop_34
- Track 9 : Tenney120_33, KevinMinion_33, Uzumaki_33
- Track 10 : Mardi_34
- Track 11 : Navi1117_33
- Track 12 : TrixiePhattel_33
- Track 13 : Phaila_32, GantcherGoblin_32
- Track 14 : Muglass_36
- Track 15 : Argan_32
- Track 16 : DizzyRudy_29
- Track 17 : Camille_29
- Track 18 : Damascus_29

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_32, Barbonzobean_38, Biscute_34, GantcherGoblin_32, KevinMinion_33, Kinny_35, Leathea_33, Lewando_36, Mardi_34, Muglass_36, Navi1117_33, Phaila_32, PoeMe_34, Renaldo_38, Stardrop_34, Tenney120_33, TrixiePhattel_33, Uzumaki_33, Zeina_33,

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

- Altjira_32,

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

- Camille_29, Correa_26, Damascus_29, DizzyRudy_29, Xenomorph_25,

Summary by start number:

Start 8:

- Found in 3 of 25 (12.0%) of genes in pham
- Manual Annotations of this start: 3 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camille_29 (EL), Damascus_29 (EL), DizzyRudy_29 (EL),

Start 9:

- Found in 2 of 25 (8.0%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Correa_26 (AM), Xenomorph_25 (AM),

Start 10:

- Found in 20 of 25 (80.0%) of genes in pham
- Manual Annotations of this start: 11 of 16
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Argan_32 (AU6), Barbonzobean_38 (AU6), Biscute_34 (AU6), GantcherGoblin_32 (AU6), KevinMinion_33 (AU6), Kinny_35 (AU6), Leathe_33 (AU6), Lewando_36 (AU6), Mardi_34 (AU6), Muglass_36 (AU6), Navi1117_33 (AU6), Phaila_32 (AU6), PoeMe_34 (AU6), Renaldo_38 (AU6), Stardrop_34 (AU6), Tenney120_33 (AU6), TrixiePhattel_33 (AU6), Uzumaki_33 (AU6), Zeina_33 (AU6),

Start 11:

- Found in 13 of 25 (52.0%) of genes in pham
- No Manual Annotations of this start.
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Altjira_32 (AU6),

Summary by clusters:

There are 3 clusters represented in this pham: EL, AM, AU6,

Info for manual annotations of cluster AM:

- Start number 9 was manually annotated 2 times for cluster AM.

Info for manual annotations of cluster AU6:

- Start number 10 was manually annotated 11 times for cluster AU6.

Info for manual annotations of cluster EL:

- Start number 8 was manually annotated 3 times for cluster EL.

Gene Information:

Gene: Altjira_32 Start: 27735, Stop: 28097, Start Num: 11

Candidate Starts for Altjira_32:

(Start: 10 @27711 has 11 MA's), (11, 27735), (23, 27849), (24, 27867), (32, 27930), (34, 27981), (38, 28062),

Gene: Argan_32 Start: 26978, Stop: 27364, Start Num: 10

Candidate Starts for Argan_32:

(Start: 10 @26978 has 11 MA's), (11, 27002), (19, 27077), (23, 27116), (24, 27134), (32, 27197), (34, 27248), (38, 27329),

Gene: Barbonzobean_38 Start: 28548, Stop: 28934, Start Num: 10

Candidate Starts for Barbonzobean_38:

(Start: 10 @28548 has 11 MA's), (16, 28626), (24, 28704), (29, 28740), (31, 28749), (34, 28818), (38, 28899),

Gene: Biscute_34 Start: 28599, Stop: 28991, Start Num: 10

Candidate Starts for Biscute_34:

(Start: 10 @28599 has 11 MA's), (11, 28623), (16, 28677), (19, 28698), (24, 28755), (32, 28818), (34, 28875), (38, 28956),

Gene: Camille_29 Start: 23493, Stop: 23894, Start Num: 8

Candidate Starts for Camille_29:

(6, 23451), (Start: 8 @23493 has 3 MA's), (12, 23547), (15, 23571), (24, 23664), (37, 23832), (38, 23862), (40, 23874),

Gene: Correa_26 Start: 24066, Stop: 24482, Start Num: 9

Candidate Starts for Correa_26:

(Start: 9 @24066 has 2 MA's), (14, 24132), (22, 24207), (25, 24237), (35, 24405), (36, 24411),

Gene: Damascus_29 Start: 24399, Stop: 24800, Start Num: 8

Candidate Starts for Damascus_29:

(Start: 8 @24399 has 3 MA's), (13, 24456), (24, 24570), (37, 24738), (38, 24768),

Gene: DizzyRudy_29 Start: 24315, Stop: 24716, Start Num: 8

Candidate Starts for DizzyRudy_29:

(1, 24105), (2, 24132), (3, 24141), (4, 24201), (5, 24240), (7, 24279), (Start: 8 @24315 has 3 MA's), (13, 24372), (24, 24486), (37, 24654), (38, 24684),

Gene: GantcherGoblin_32 Start: 27017, Stop: 27403, Start Num: 10

Candidate Starts for GantcherGoblin_32:

(Start: 10 @27017 has 11 MA's), (11, 27041), (23, 27155), (24, 27173), (32, 27236), (34, 27287), (38, 27368),

Gene: KevinMinion_33 Start: 28111, Stop: 28497, Start Num: 10

Candidate Starts for KevinMinion_33:

(Start: 10 @28111 has 11 MA's), (11, 28135), (24, 28267), (26, 28279), (32, 28330), (34, 28381), (38, 28462),

Gene: Kinny_35 Start: 28866, Stop: 29252, Start Num: 10

Candidate Starts for Kinny_35:

(Start: 10 @28866 has 11 MA's), (16, 28944), (24, 29022), (29, 29058), (31, 29067), (34, 29136), (38, 29217),

Gene: Leathea_33 Start: 26912, Stop: 27271, Start Num: 10

Candidate Starts for Leathea_33:

(Start: 10 @26912 has 11 MA's), (20, 27008), (28, 27086), (30, 27101), (34, 27170), (38, 27251),

Gene: Lewando_36 Start: 28935, Stop: 29321, Start Num: 10

Candidate Starts for Lewando_36:

(Start: 10 @28935 has 11 MA's), (16, 29013), (24, 29091), (29, 29127), (31, 29136), (34, 29205), (38, 29286),

Gene: Mardi_34 Start: 27545, Stop: 27931, Start Num: 10

Candidate Starts for Mardi_34:

(Start: 10 @27545 has 11 MA's), (11, 27569), (23, 27683), (24, 27701), (34, 27815), (38, 27896),

Gene: Muglass_36 Start: 28503, Stop: 28895, Start Num: 10

Candidate Starts for Muglass_36:

(Start: 10 @28503 has 11 MA's), (16, 28581), (19, 28602), (24, 28659), (32, 28722), (34, 28779), (38, 28860),

Gene: Navi1117_33 Start: 27244, Stop: 27630, Start Num: 10

Candidate Starts for Navi1117_33:

(Start: 10 @27244 has 11 MA's), (11, 27268), (13, 27286), (17, 27328), (32, 27463), (33, 27511), (34, 27514), (38, 27595),

Gene: Phaila_32 Start: 26595, Stop: 26981, Start Num: 10

Candidate Starts for Phaila_32:

(Start: 10 @26595 has 11 MA's), (11, 26619), (23, 26733), (24, 26751), (32, 26814), (34, 26865), (38, 26946),

Gene: PoeMe_34 Start: 27873, Stop: 28259, Start Num: 10

Candidate Starts for PoeMe_34:

(Start: 10 @27873 has 11 MA's), (14, 27927), (19, 27972), (23, 28011), (29, 28065), (31, 28074), (34, 28143), (38, 28224),

Gene: Renaldo_38 Start: 28944, Stop: 29336, Start Num: 10

Candidate Starts for Renaldo_38:

(Start: 10 @28944 has 11 MA's), (11, 28968), (16, 29022), (19, 29043), (24, 29100), (32, 29163), (34, 29220), (38, 29301),

Gene: Stardrop_34 Start: 27569, Stop: 27955, Start Num: 10

Candidate Starts for Stardrop_34:

(Start: 10 @27569 has 11 MA's), (14, 27623), (19, 27668), (23, 27707), (29, 27761), (31, 27770), (34, 27839), (38, 27920),

Gene: Tenney120_33 Start: 27306, Stop: 27692, Start Num: 10

Candidate Starts for Tenney120_33:

(Start: 10 @27306 has 11 MA's), (11, 27330), (24, 27462), (26, 27474), (32, 27525), (34, 27576), (38, 27657),

Gene: TrixiePhattel_33 Start: 27141, Stop: 27533, Start Num: 10

Candidate Starts for TrixiePhattel_33:

(Start: 10 @27141 has 11 MA's), (11, 27165), (18, 27228), (32, 27360), (39, 27501),

Gene: Uzumaki_33 Start: 27836, Stop: 28222, Start Num: 10

Candidate Starts for Uzumaki_33:

(Start: 10 @27836 has 11 MA's), (11, 27860), (24, 27992), (26, 28004), (32, 28055), (34, 28106), (38, 28187),

Gene: Xenomorph_25 Start: 24569, Stop: 24985, Start Num: 9

Candidate Starts for Xenomorph_25:

(Start: 9 @24569 has 2 MA's), (14, 24635), (21, 24698), (27, 24758), (35, 24908), (36, 24914),

Gene: Zeina_33 Start: 27217, Stop: 27603, Start Num: 10

Candidate Starts for Zeina_33:

(Start: 10 @27217 has 11 MA's), (11, 27241), (24, 27373), (34, 27487), (38, 27568),