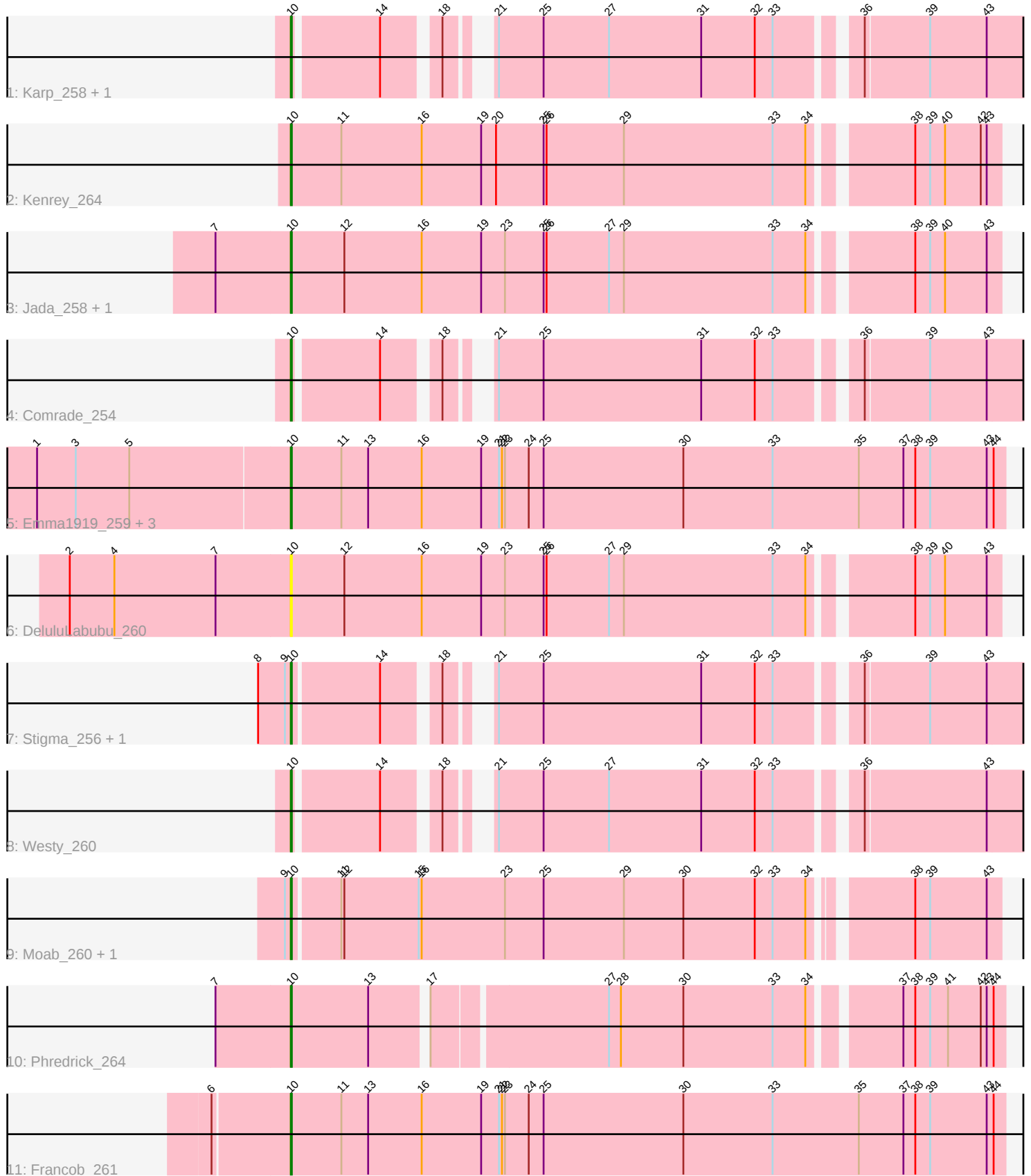


# Pham 241178



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 241178 Report

This analysis was run 02/07/26 on database version 634.

Pham number 241178 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Karp\_258, Belfort\_259
- Track 2 : Kenrey\_264
- Track 3 : Jada\_258, Forrest\_257
- Track 4 : Comrade\_254
- Track 5 : Emma1919\_259, MeganTheeKilla\_260, Maupel\_264, Gilson\_258
- Track 6 : DeluluLabubu\_260
- Track 7 : Stigma\_256, SparkleGoddess\_258
- Track 8 : Westy\_260
- Track 9 : Moab\_260, Patelgo\_263
- Track 10 : Phredrick\_264
- Track 11 : Francob\_261

### ***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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort\_259, Comrade\_254, DeluluLabubu\_260, Emma1919\_259, Forrest\_257, Francob\_261, Gilson\_258, Jada\_258, Karp\_258, Kenrey\_264, Maupel\_264, MeganTheeKilla\_260, Moab\_260, Patelgo\_263, Phredrick\_264, SparkleGoddess\_258, Stigma\_256, Westy\_260,

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

- 

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

- 

### **Summary by start number:**

Start 10:

- Found in 18 of 18 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 16 of 16

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_259 (BK1), Comrade\_254 (BK1), DeluluLabubu\_260 (BK1), Emma1919\_259 (BK1), Forrest\_257 (BK1), Francob\_261 (BK1), Gilson\_258 (BK1), Jada\_258 (BK1), Karp\_258 (BK1), Kenrey\_264 (BK1), Maupel\_264 (BK1), MeganTheeKilla\_260 (BK1), Moab\_260 (BK1), Patelgo\_263 (BK1), Phredrick\_264 (BK1), SparkleGoddess\_258 (BK1), Stigma\_256 (BK1), Westy\_260 (BK1),

### Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 16 times for cluster BK1.

### Gene Information:

Gene: Belfort\_259 Start: 123969, Stop: 124658, Start Num: 10

Candidate Starts for Belfort\_259:

(Start: 10 @123969 has 16 MA's), (14, 124050), (18, 124098), (21, 124125), (25, 124170), (27, 124236), (31, 124329), (32, 124383), (33, 124401), (36, 124470), (39, 124533), (43, 124590),

Gene: Comrade\_254 Start: 124111, Stop: 124800, Start Num: 10

Candidate Starts for Comrade\_254:

(Start: 10 @124111 has 16 MA's), (14, 124192), (18, 124240), (21, 124267), (25, 124312), (31, 124471), (32, 124525), (33, 124543), (36, 124612), (39, 124675), (43, 124732),

Gene: DeluluLabubu\_260 Start: 123551, Stop: 124243, Start Num: 10

Candidate Starts for DeluluLabubu\_260:

(2, 123329), (4, 123374), (7, 123476), (Start: 10 @123551 has 16 MA's), (12, 123605), (16, 123683), (19, 123743), (23, 123767), (25, 123806), (26, 123809), (27, 123872), (29, 123887), (33, 124037), (34, 124070), (38, 124157), (39, 124172), (40, 124187), (43, 124229),

Gene: Emma1919\_259 Start: 122901, Stop: 123620, Start Num: 10

Candidate Starts for Emma1919\_259:

(1, 122649), (3, 122688), (5, 122742), (Start: 10 @122901 has 16 MA's), (11, 122952), (13, 122979), (16, 123033), (19, 123093), (21, 123111), (22, 123114), (23, 123117), (24, 123141), (25, 123156), (30, 123297), (33, 123387), (35, 123474), (37, 123519), (38, 123531), (39, 123546), (43, 123603), (44, 123609),

Gene: Forrest\_257 Start: 123360, Stop: 124052, Start Num: 10

Candidate Starts for Forrest\_257:

(7, 123285), (Start: 10 @123360 has 16 MA's), (12, 123414), (16, 123492), (19, 123552), (23, 123576), (25, 123615), (26, 123618), (27, 123681), (29, 123696), (33, 123846), (34, 123879), (38, 123966), (39, 123981), (40, 123996), (43, 124038),

Gene: Francob\_261 Start: 123723, Stop: 124442, Start Num: 10

Candidate Starts for Francob\_261:

(6, 123648), (Start: 10 @123723 has 16 MA's), (11, 123774), (13, 123801), (16, 123855), (19, 123915), (21, 123933), (22, 123936), (23, 123939), (24, 123963), (25, 123978), (30, 124119), (33, 124209), (35, 124296), (37, 124341), (38, 124353), (39, 124368), (43, 124425), (44, 124431),

Gene: Gilson\_258 Start: 123260, Stop: 123979, Start Num: 10

Candidate Starts for Gilson\_258:

(1, 123008), (3, 123047), (5, 123101), (Start: 10 @123260 has 16 MA's), (11, 123311), (13, 123338), (16, 123392), (19, 123452), (21, 123470), (22, 123473), (23, 123476), (24, 123500), (25, 123515), (30, 123656), (33, 123746), (35, 123833), (37, 123878), (38, 123890), (39, 123905), (43, 123962), (44, 123968),

Gene: Jada\_258 Start: 122600, Stop: 123292, Start Num: 10

Candidate Starts for Jada\_258:

(7, 122525), (Start: 10 @122600 has 16 MA's), (12, 122654), (16, 122732), (19, 122792), (23, 122816), (25, 122855), (26, 122858), (27, 122921), (29, 122936), (33, 123086), (34, 123119), (38, 123206), (39, 123221), (40, 123236), (43, 123278),

Gene: Karp\_258 Start: 125566, Stop: 126255, Start Num: 10

Candidate Starts for Karp\_258:

(Start: 10 @125566 has 16 MA's), (14, 125647), (18, 125695), (21, 125722), (25, 125767), (27, 125833), (31, 125926), (32, 125980), (33, 125998), (36, 126067), (39, 126130), (43, 126187),

Gene: Kenrey\_264 Start: 124500, Stop: 125192, Start Num: 10

Candidate Starts for Kenrey\_264:

(Start: 10 @124500 has 16 MA's), (11, 124551), (16, 124632), (19, 124692), (20, 124707), (25, 124755), (26, 124758), (29, 124836), (33, 124986), (34, 125019), (38, 125106), (39, 125121), (40, 125136), (42, 125172), (43, 125178),

Gene: Maupel\_264 Start: 122453, Stop: 123172, Start Num: 10

Candidate Starts for Maupel\_264:

(1, 122201), (3, 122240), (5, 122294), (Start: 10 @122453 has 16 MA's), (11, 122504), (13, 122531), (16, 122585), (19, 122645), (21, 122663), (22, 122666), (23, 122669), (24, 122693), (25, 122708), (30, 122849), (33, 122939), (35, 123026), (37, 123071), (38, 123083), (39, 123098), (43, 123155), (44, 123161),

Gene: MeganTheeKilla\_260 Start: 123071, Stop: 123790, Start Num: 10

Candidate Starts for MeganTheeKilla\_260:

(1, 122819), (3, 122858), (5, 122912), (Start: 10 @123071 has 16 MA's), (11, 123122), (13, 123149), (16, 123203), (19, 123263), (21, 123281), (22, 123284), (23, 123287), (24, 123311), (25, 123326), (30, 123467), (33, 123557), (35, 123644), (37, 123689), (38, 123701), (39, 123716), (43, 123773), (44, 123779),

Gene: Moab\_260 Start: 125006, Stop: 125689, Start Num: 10

Candidate Starts for Moab\_260:

(9, 125000), (Start: 10 @125006 has 16 MA's), (11, 125051), (12, 125054), (15, 125129), (16, 125132), (23, 125216), (25, 125255), (29, 125336), (30, 125396), (32, 125468), (33, 125486), (34, 125519), (38, 125603), (39, 125618), (43, 125675),

Gene: Patelgo\_263 Start: 125938, Stop: 126621, Start Num: 10

Candidate Starts for Patelgo\_263:

(9, 125932), (Start: 10 @125938 has 16 MA's), (11, 125983), (12, 125986), (15, 126061), (16, 126064), (23, 126148), (25, 126187), (29, 126268), (30, 126328), (32, 126400), (33, 126418), (34, 126451), (38, 126535), (39, 126550), (43, 126607),

Gene: Phredrick\_264 Start: 123744, Stop: 124418, Start Num: 10

Candidate Starts for Phredrick\_264:

(7, 123669), (Start: 10 @123744 has 16 MA's), (13, 123822), (17, 123873), (27, 124041), (28, 124053), (30, 124116), (33, 124206), (34, 124239), (37, 124317), (38, 124329), (39, 124344), (41, 124362), (42, 124395), (43, 124401), (44, 124407),

Gene: SparkleGoddess\_258 Start: 124835, Stop: 125527, Start Num: 10

Candidate Starts for SparkleGoddess\_258:

(8, 124802), (9, 124829), (Start: 10 @124835 has 16 MA's), (14, 124919), (18, 124967), (21, 124994), (25, 125039), (31, 125198), (32, 125252), (33, 125270), (36, 125339), (39, 125402), (43, 125459),

Gene: Stigma\_256 Start: 124548, Stop: 125240, Start Num: 10

Candidate Starts for Stigma\_256:

(8, 124515), (9, 124542), (Start: 10 @124548 has 16 MA's), (14, 124632), (18, 124680), (21, 124707), (25, 124752), (31, 124911), (32, 124965), (33, 124983), (36, 125052), (39, 125115), (43, 125172),

Gene: Westy\_260 Start: 125372, Stop: 126061, Start Num: 10

Candidate Starts for Westy\_260:

(Start: 10 @125372 has 16 MA's), (14, 125453), (18, 125501), (21, 125528), (25, 125573), (27, 125639), (31, 125732), (32, 125786), (33, 125804), (36, 125873), (43, 125993),