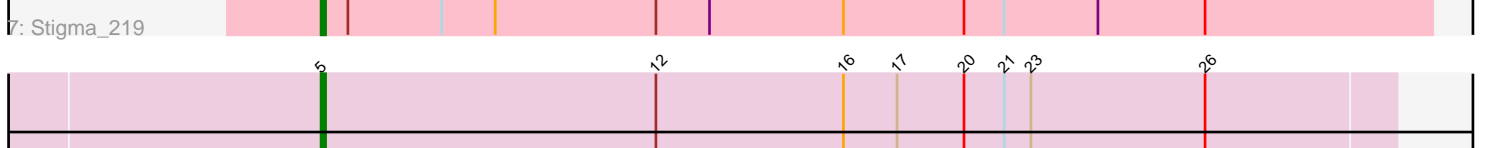
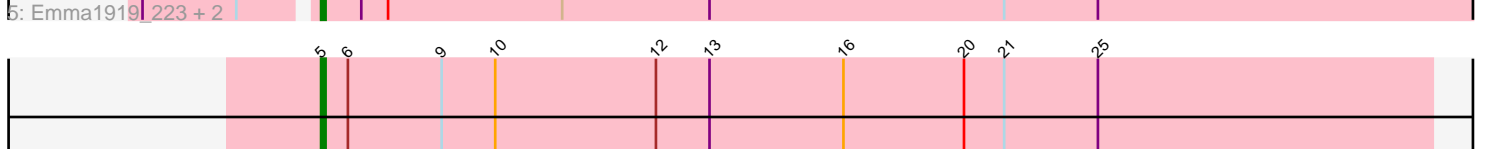
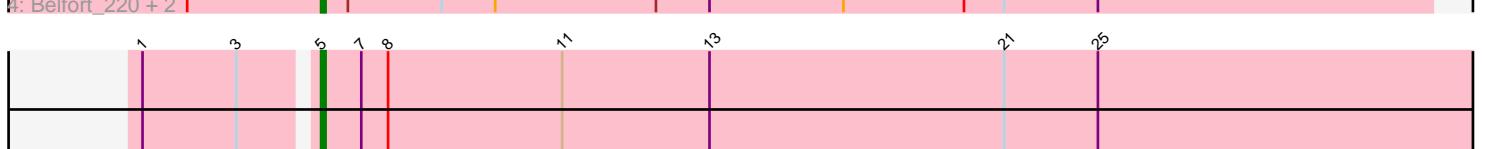
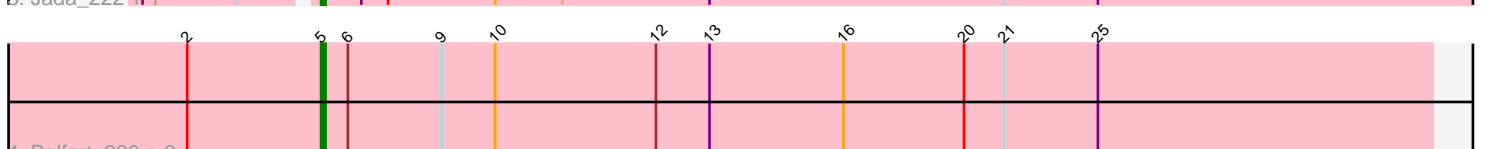
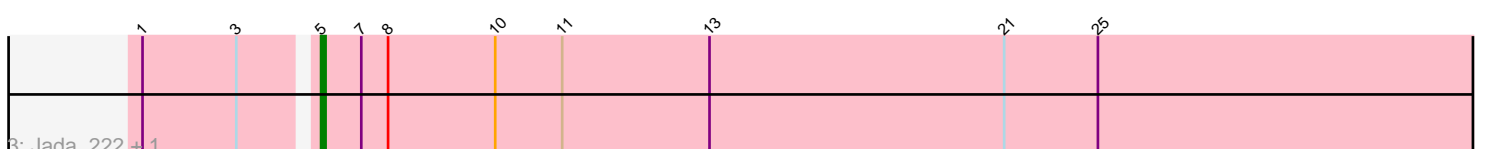
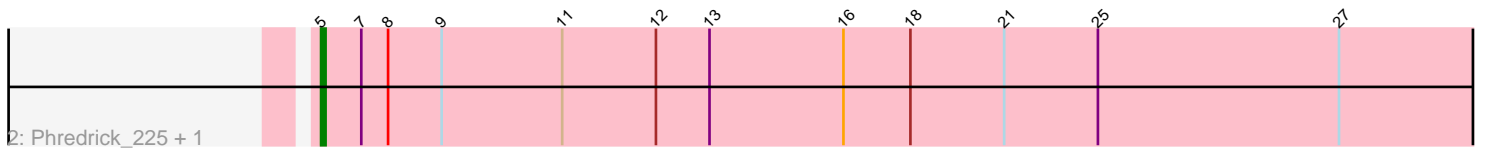
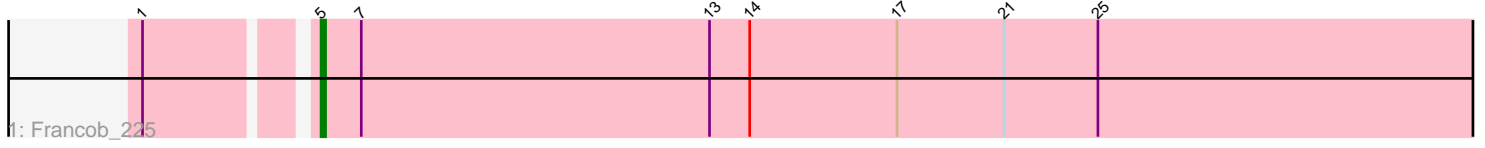


Pham 163977



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 163977 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163977 has 17 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Francob_225
- Track 2 : Phredrick_225, Kenrey_226
- Track 3 : Jada_222, Forrest_223
- Track 4 : Belfort_220, Comrade_217, Karp_216
- Track 5 : Emma1919_223, Gilson_220, MeganTheeKilla_225
- Track 6 : SparkleGoddess_220
- Track 7 : Stigma_219
- Track 8 : Muntaha_240
- Track 9 : Wakanda_236
- Track 10 : Circinus_225
- Track 11 : BillNye_225

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

The start number called the most often in the published annotations is 5, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_220, BillNye_225, Circinus_225, Comrade_217, Emma1919_223, Forrest_223, Francob_225, Gilson_220, Jada_222, Karp_216, Kenrey_226, MeganTheeKilla_225, Muntaha_240, Phredrick_225, SparkleGoddess_220, Stigma_219, Wakanda_236,

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 5:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_220 (BK1), BillNye_225 (BK2), Circinus_225 (BK2), Comrade_217 (BK1), Emma1919_223 (BK1), Forrest_223 (BK1), Francob_225 (BK1), Gilson_220 (BK1), Jada_222 (BK1), Karp_216 (BK1), Kenrey_226 (BK1), MeganTheeKilla_225 (BK1), Muntaha_240 (BK2), Phredrick_225 (BK1), SparkleGoddess_220 (BK1), Stigma_219 (BK1), Wakanda_236 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

- Start number 5 was manually annotated 13 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 5 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Belfort_220 Start: 109294, Stop: 109542, Start Num: 5

Candidate Starts for Belfort_220:

(2, 109264), (Start: 5 @109294 has 17 MA's), (6, 109300), (9, 109321), (10, 109333), (12, 109369), (13, 109381), (16, 109411), (20, 109438), (21, 109447), (25, 109468),

Gene: BillNye_225 Start: 115514, Stop: 115792, Start Num: 5

Candidate Starts for BillNye_225:

(Start: 5 @115514 has 17 MA's), (10, 115553), (12, 115589), (15, 115622), (19, 115655), (21, 115667), (22, 115670), (23, 115673), (24, 115685),

Gene: Circinus_225 Start: 115103, Stop: 115381, Start Num: 5

Candidate Starts for Circinus_225:

(4, 115100), (Start: 5 @115103 has 17 MA's), (10, 115142), (12, 115178), (15, 115211), (19, 115244), (21, 115256), (22, 115259), (23, 115262), (24, 115274),

Gene: Comrade_217 Start: 109494, Stop: 109742, Start Num: 5

Candidate Starts for Comrade_217:

(2, 109464), (Start: 5 @109494 has 17 MA's), (6, 109500), (9, 109521), (10, 109533), (12, 109569), (13, 109581), (16, 109611), (20, 109638), (21, 109647), (25, 109668),

Gene: Emma1919_223 Start: 108070, Stop: 108357, Start Num: 5

Candidate Starts for Emma1919_223:

(1, 108034), (3, 108055), (Start: 5 @108070 has 17 MA's), (7, 108079), (8, 108085), (11, 108124), (13, 108157), (21, 108223), (25, 108244),

Gene: Forrest_223 Start: 109035, Stop: 109322, Start Num: 5

Candidate Starts for Forrest_223:

(1, 108999), (3, 109020), (Start: 5 @109035 has 17 MA's), (7, 109044), (8, 109050), (10, 109074), (11, 109089), (13, 109122), (21, 109188), (25, 109209),

Gene: Francob_225 Start: 109083, Stop: 109376, Start Num: 5

Candidate Starts for Francob_225:

(1, 109050), (Start: 5 @109083 has 17 MA's), (7, 109092), (13, 109170), (14, 109179), (17, 109212), (21, 109236), (25, 109257),

Gene: Gilson_220 Start: 107596, Stop: 107883, Start Num: 5

Candidate Starts for Gilson_220:

(1, 107560), (3, 107581), (Start: 5 @107596 has 17 MA's), (7, 107605), (8, 107611), (11, 107650), (13, 107683), (21, 107749), (25, 107770),

Gene: Jada_222 Start: 108272, Stop: 108559, Start Num: 5

Candidate Starts for Jada_222:

(1, 108236), (3, 108257), (Start: 5 @108272 has 17 MA's), (7, 108281), (8, 108287), (10, 108311), (11, 108326), (13, 108359), (21, 108425), (25, 108446),

Gene: Karp_216 Start: 109661, Stop: 109909, Start Num: 5

Candidate Starts for Karp_216:

(2, 109631), (Start: 5 @109661 has 17 MA's), (6, 109667), (9, 109688), (10, 109700), (12, 109736), (13, 109748), (16, 109778), (20, 109805), (21, 109814), (25, 109835),

Gene: Kenrey_226 Start: 108842, Stop: 109135, Start Num: 5

Candidate Starts for Kenrey_226:

(Start: 5 @108842 has 17 MA's), (7, 108851), (8, 108857), (9, 108869), (11, 108896), (12, 108917), (13, 108929), (16, 108959), (18, 108974), (21, 108995), (25, 109016), (27, 109070),

Gene: MeganTheeKilla_225 Start: 108467, Stop: 108754, Start Num: 5

Candidate Starts for MeganTheeKilla_225:

(1, 108431), (3, 108452), (Start: 5 @108467 has 17 MA's), (7, 108476), (8, 108482), (11, 108521), (13, 108554), (21, 108620), (25, 108641),

Gene: Muntaha_240 Start: 115773, Stop: 116012, Start Num: 5

Candidate Starts for Muntaha_240:

(Start: 5 @115773 has 17 MA's), (12, 115848), (16, 115890), (17, 115902), (20, 115917), (21, 115926), (23, 115932), (26, 115971),

Gene: Phredrick_225 Start: 107894, Stop: 108187, Start Num: 5

Candidate Starts for Phredrick_225:

(Start: 5 @107894 has 17 MA's), (7, 107903), (8, 107909), (9, 107921), (11, 107948), (12, 107969), (13, 107981), (16, 108011), (18, 108026), (21, 108047), (25, 108068), (27, 108122),

Gene: SparkleGoddess_220 Start: 109722, Stop: 109970, Start Num: 5

Candidate Starts for SparkleGoddess_220:

(Start: 5 @109722 has 17 MA's), (6, 109728), (9, 109749), (10, 109761), (12, 109797), (13, 109809), (16, 109839), (20, 109866), (21, 109875), (25, 109896),

Gene: Stigma_219 Start: 109928, Stop: 110176, Start Num: 5

Candidate Starts for Stigma_219:

(Start: 5 @109928 has 17 MA's), (6, 109934), (9, 109955), (10, 109967), (12, 110003), (13, 110015), (16, 110045), (20, 110072), (21, 110081), (25, 110102), (26, 110126),

Gene: Wakanda_236 Start: 114761, Stop: 115000, Start Num: 5

Candidate Starts for Wakanda_236:

(Start: 5 @114761 has 17 MA's), (12, 114836), (16, 114878), (17, 114890), (20, 114905), (21, 114914), (23, 114920), (26, 114959),