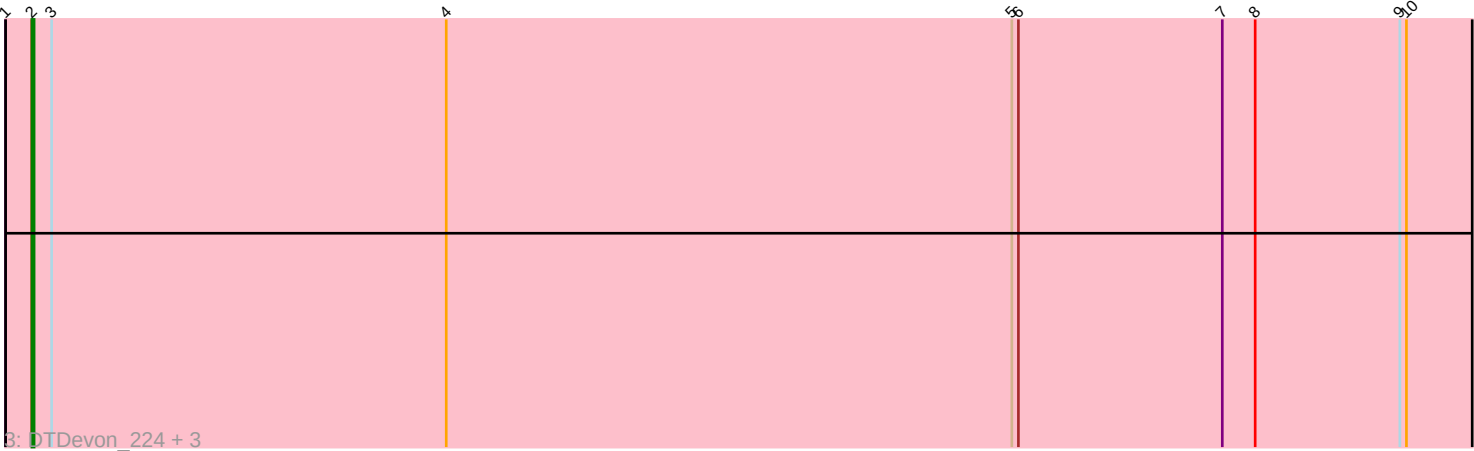
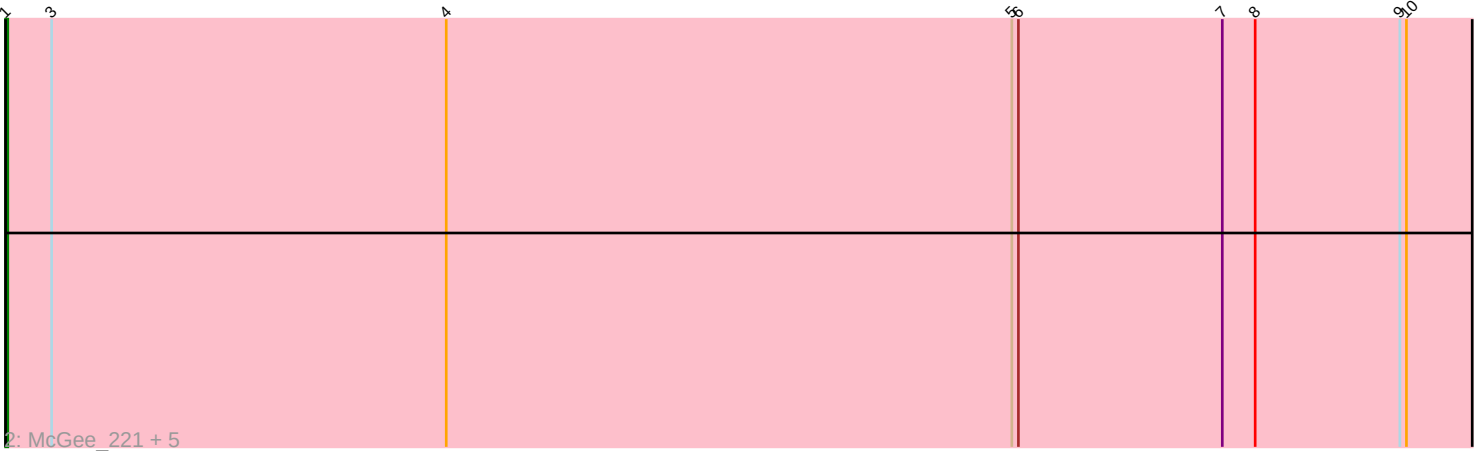




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 269762 Report

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

Pham number 269762 has 34 members, 0 are drafts.

Phages represented in each track:

- Track 1 : EmmaElysia_226, Jaygup_218, JPickles_218, LifeSavor_221, Bangla1971_222, Adlitam_221, Chomp_222, Essence_219, Guwapp_217, Ngannou_219, Quasimodo_224, Patter_223, Sauce_218, Phusco_220, ChaylaJr_220, SmallFry_222, Shnickers_220, Jedediah_222, Cactojaque_217, Derek_219, Rahel_223, YoungMoneyMata_221, Salacia_222, Teardrop_219
- Track 2 : McGee_221, BeanWater_214, IkeLoa_214, Blackbrain_219, HyRo_210, Shifa_199
- Track 3 : DTDevon_224, Ghost_222, Tyke_220, ArcherS7_222

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

The start number called the most often in the published annotations is 1, it was called in 30 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adlitam_221, Bangla1971_222, BeanWater_214, Blackbrain_219, Cactojaque_217, ChaylaJr_220, Chomp_222, Derek_219, EmmaElysia_226, Essence_219, Guwapp_217, HyRo_210, IkeLoa_214, JPickles_218, Jaygup_218, Jedediah_222, LifeSavor_221, McGee_221, Ngannou_219, Patter_223, Phusco_220, Quasimodo_224, Rahel_223, Salacia_222, Sauce_218, Shifa_199, Shnickers_220, SmallFry_222, Teardrop_219, YoungMoneyMata_221,

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

- ArcherS7_222, DTDevon_224, Ghost_222, Tyke_220,

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

•

Summary by start number:

Start 1:

- Found in 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 34
- Called 88.2% of time when present

- Phage (with cluster) where this start called: Adlitam_221 (C1), Bangla1971_222 (C1), BeanWater_214 (C1), Blackbrain_219 (C1), Cactojaque_217 (C1), ChaylaJr_220 (C1), Chomp_222 (C1), Derek_219 (C1), EmmaElysia_226 (C1), Essence_219 (C1), Guwapp_217 (C1), HyRo_210 (C1), IkeLoa_214 (C1), JPickles_218 (C1), Jaygup_218 (C1), Jedediah_222 (C1), LifeSavor_221 (C1), McGee_221 (C1), Ngannou_219 (C1), Patter_223 (C1), Phusco_220 (C1), Quasimodo_224 (C1), RaheI_223 (C1), Salacia_222 (C1), Sauce_218 (C1), Shifa_199 (C1), Shnickers_220 (C1), SmallFry_222 (C1), Teardrop_219 (C1), YoungMoneyMata_221 (C1),

Start 2:

- Found in 28 of 34 (82.4%) of genes in pham
- Manual Annotations of this start: 4 of 34
- Called 14.3% of time when present
- Phage (with cluster) where this start called: ArcherS7_222 (C1), DTDevon_224 (C1), Ghost_222 (C1), Tyke_220 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 30 times for cluster C1.
- Start number 2 was manually annotated 4 times for cluster C1.

Gene Information:

Gene: Adlitam_221 Start: 125028, Stop: 125723, Start Num: 1

Candidate Starts for Adlitam_221:

(Start: 1 @125028 has 30 MA's), (Start: 2 @125040 has 4 MA's), (3, 125049), (4, 125229), (5, 125487), (6, 125490), (7, 125583), (8, 125598), (9, 125664), (10, 125667),

Gene: ArcherS7_222 Start: 125894, Stop: 126577, Start Num: 2

Candidate Starts for ArcherS7_222:

(Start: 1 @125882 has 30 MA's), (Start: 2 @125894 has 4 MA's), (3, 125903), (4, 126083), (5, 126341), (6, 126344), (7, 126437), (8, 126452), (9, 126518), (10, 126521),

Gene: Bangla1971_222 Start: 124846, Stop: 125541, Start Num: 1

Candidate Starts for Bangla1971_222:

(Start: 1 @124846 has 30 MA's), (Start: 2 @124858 has 4 MA's), (3, 124867), (4, 125047), (5, 125305), (6, 125308), (7, 125401), (8, 125416), (9, 125482), (10, 125485),

Gene: BeanWater_214 Start: 123873, Stop: 124568, Start Num: 1

Candidate Starts for BeanWater_214:

(Start: 1 @123873 has 30 MA's), (3, 123894), (4, 124074), (5, 124332), (6, 124335), (7, 124428), (8, 124443), (9, 124509), (10, 124512),

Gene: Blackbrain_219 Start: 124432, Stop: 125127, Start Num: 1

Candidate Starts for Blackbrain_219:

(Start: 1 @124432 has 30 MA's), (3, 124453), (4, 124633), (5, 124891), (6, 124894), (7, 124987), (8, 125002), (9, 125068), (10, 125071),

Gene: Cactojaque_217 Start: 123379, Stop: 124074, Start Num: 1

Candidate Starts for Cactojaque_217:

(Start: 1 @123379 has 30 MA's), (Start: 2 @123391 has 4 MA's), (3, 123400), (4, 123580), (5, 123838), (6, 123841), (7, 123934), (8, 123949), (9, 124015), (10, 124018),

Gene: ChaylaJr_220 Start: 124047, Stop: 124742, Start Num: 1

Candidate Starts for ChaylaJr_220:

(Start: 1 @124047 has 30 MA's), (Start: 2 @124059 has 4 MA's), (3, 124068), (4, 124248), (5, 124506), (6, 124509), (7, 124602), (8, 124617), (9, 124683), (10, 124686),

Gene: Chomp_222 Start: 126129, Stop: 126824, Start Num: 1

Candidate Starts for Chomp_222:

(Start: 1 @126129 has 30 MA's), (Start: 2 @126141 has 4 MA's), (3, 126150), (4, 126330), (5, 126588), (6, 126591), (7, 126684), (8, 126699), (9, 126765), (10, 126768),

Gene: DTDevon_224 Start: 126890, Stop: 127573, Start Num: 2

Candidate Starts for DTDevon_224:

(Start: 1 @126878 has 30 MA's), (Start: 2 @126890 has 4 MA's), (3, 126899), (4, 127079), (5, 127337), (6, 127340), (7, 127433), (8, 127448), (9, 127514), (10, 127517),

Gene: Derek_219 Start: 125406, Stop: 126101, Start Num: 1

Candidate Starts for Derek_219:

(Start: 1 @125406 has 30 MA's), (Start: 2 @125418 has 4 MA's), (3, 125427), (4, 125607), (5, 125865), (6, 125868), (7, 125961), (8, 125976), (9, 126042), (10, 126045),

Gene: EmmaElysia_226 Start: 126285, Stop: 126980, Start Num: 1

Candidate Starts for EmmaElysia_226:

(Start: 1 @126285 has 30 MA's), (Start: 2 @126297 has 4 MA's), (3, 126306), (4, 126486), (5, 126744), (6, 126747), (7, 126840), (8, 126855), (9, 126921), (10, 126924),

Gene: Essence_219 Start: 124735, Stop: 125430, Start Num: 1

Candidate Starts for Essence_219:

(Start: 1 @124735 has 30 MA's), (Start: 2 @124747 has 4 MA's), (3, 124756), (4, 124936), (5, 125194), (6, 125197), (7, 125290), (8, 125305), (9, 125371), (10, 125374),

Gene: Ghost_222 Start: 124763, Stop: 125446, Start Num: 2

Candidate Starts for Ghost_222:

(Start: 1 @124751 has 30 MA's), (Start: 2 @124763 has 4 MA's), (3, 124772), (4, 124952), (5, 125210), (6, 125213), (7, 125306), (8, 125321), (9, 125387), (10, 125390),

Gene: Guwapp_217 Start: 123585, Stop: 124280, Start Num: 1

Candidate Starts for Guwapp_217:

(Start: 1 @123585 has 30 MA's), (Start: 2 @123597 has 4 MA's), (3, 123606), (4, 123786), (5, 124044), (6, 124047), (7, 124140), (8, 124155), (9, 124221), (10, 124224),

Gene: HyRo_210 Start: 124092, Stop: 124787, Start Num: 1

Candidate Starts for HyRo_210:

(Start: 1 @124092 has 30 MA's), (3, 124113), (4, 124293), (5, 124551), (6, 124554), (7, 124647), (8, 124662), (9, 124728), (10, 124731),

Gene: IkeLoa_214 Start: 124483, Stop: 125178, Start Num: 1

Candidate Starts for IkeLoa_214:

(Start: 1 @124483 has 30 MA's), (3, 124504), (4, 124684), (5, 124942), (6, 124945), (7, 125038), (8, 125053), (9, 125119), (10, 125122),

Gene: JPickles_218 Start: 123489, Stop: 124184, Start Num: 1

Candidate Starts for JPickles_218:

(Start: 1 @123489 has 30 MA's), (Start: 2 @123501 has 4 MA's), (3, 123510), (4, 123690), (5, 123948), (6, 123951), (7, 124044), (8, 124059), (9, 124125), (10, 124128),

Gene: Jaygup_218 Start: 124550, Stop: 125245, Start Num: 1

Candidate Starts for Jaygup_218:

(Start: 1 @124550 has 30 MA's), (Start: 2 @124562 has 4 MA's), (3, 124571), (4, 124751), (5, 125009), (6, 125012), (7, 125105), (8, 125120), (9, 125186), (10, 125189),

Gene: Jedediah_222 Start: 125603, Stop: 126298, Start Num: 1

Candidate Starts for Jedediah_222:

(Start: 1 @125603 has 30 MA's), (Start: 2 @125615 has 4 MA's), (3, 125624), (4, 125804), (5, 126062), (6, 126065), (7, 126158), (8, 126173), (9, 126239), (10, 126242),

Gene: LifeSavor_221 Start: 125365, Stop: 126060, Start Num: 1

Candidate Starts for LifeSavor_221:

(Start: 1 @125365 has 30 MA's), (Start: 2 @125377 has 4 MA's), (3, 125386), (4, 125566), (5, 125824), (6, 125827), (7, 125920), (8, 125935), (9, 126001), (10, 126004),

Gene: McGee_221 Start: 124476, Stop: 125171, Start Num: 1

Candidate Starts for McGee_221:

(Start: 1 @124476 has 30 MA's), (3, 124497), (4, 124677), (5, 124935), (6, 124938), (7, 125031), (8, 125046), (9, 125112), (10, 125115),

Gene: Ngannou_219 Start: 123822, Stop: 124517, Start Num: 1

Candidate Starts for Ngannou_219:

(Start: 1 @123822 has 30 MA's), (Start: 2 @123834 has 4 MA's), (3, 123843), (4, 124023), (5, 124281), (6, 124284), (7, 124377), (8, 124392), (9, 124458), (10, 124461),

Gene: Patter_223 Start: 124854, Stop: 125549, Start Num: 1

Candidate Starts for Patter_223:

(Start: 1 @124854 has 30 MA's), (Start: 2 @124866 has 4 MA's), (3, 124875), (4, 125055), (5, 125313), (6, 125316), (7, 125409), (8, 125424), (9, 125490), (10, 125493),

Gene: Phusco_220 Start: 124375, Stop: 125070, Start Num: 1

Candidate Starts for Phusco_220:

(Start: 1 @124375 has 30 MA's), (Start: 2 @124387 has 4 MA's), (3, 124396), (4, 124576), (5, 124834), (6, 124837), (7, 124930), (8, 124945), (9, 125011), (10, 125014),

Gene: Quasimodo_224 Start: 125176, Stop: 125871, Start Num: 1

Candidate Starts for Quasimodo_224:

(Start: 1 @125176 has 30 MA's), (Start: 2 @125188 has 4 MA's), (3, 125197), (4, 125377), (5, 125635), (6, 125638), (7, 125731), (8, 125746), (9, 125812), (10, 125815),

Gene: Rahel_223 Start: 125278, Stop: 125973, Start Num: 1

Candidate Starts for Rahel_223:

(Start: 1 @125278 has 30 MA's), (Start: 2 @125290 has 4 MA's), (3, 125299), (4, 125479), (5, 125737), (6, 125740), (7, 125833), (8, 125848), (9, 125914), (10, 125917),

Gene: Salacia_222 Start: 125681, Stop: 126376, Start Num: 1

Candidate Starts for Salacia_222:

(Start: 1 @125681 has 30 MA's), (Start: 2 @125693 has 4 MA's), (3, 125702), (4, 125882), (5, 126140), (6, 126143), (7, 126236), (8, 126251), (9, 126317), (10, 126320),

Gene: Sauce_218 Start: 124492, Stop: 125187, Start Num: 1

Candidate Starts for Sauce_218:

(Start: 1 @124492 has 30 MA's), (Start: 2 @124504 has 4 MA's), (3, 124513), (4, 124693), (5, 124951), (6, 124954), (7, 125047), (8, 125062), (9, 125128), (10, 125131),

Gene: Shifa_199 Start: 124061, Stop: 124756, Start Num: 1

Candidate Starts for Shifa_199:

(Start: 1 @124061 has 30 MA's), (3, 124082), (4, 124262), (5, 124520), (6, 124523), (7, 124616), (8, 124631), (9, 124697), (10, 124700),

Gene: Shnickers_220 Start: 124550, Stop: 125245, Start Num: 1

Candidate Starts for Shnickers_220:

(Start: 1 @124550 has 30 MA's), (Start: 2 @124562 has 4 MA's), (3, 124571), (4, 124751), (5, 125009), (6, 125012), (7, 125105), (8, 125120), (9, 125186), (10, 125189),

Gene: SmallFry_222 Start: 124644, Stop: 125339, Start Num: 1

Candidate Starts for SmallFry_222:

(Start: 1 @124644 has 30 MA's), (Start: 2 @124656 has 4 MA's), (3, 124665), (4, 124845), (5, 125103), (6, 125106), (7, 125199), (8, 125214), (9, 125280), (10, 125283),

Gene: Teardrop_219 Start: 124146, Stop: 124841, Start Num: 1

Candidate Starts for Teardrop_219:

(Start: 1 @124146 has 30 MA's), (Start: 2 @124158 has 4 MA's), (3, 124167), (4, 124347), (5, 124605), (6, 124608), (7, 124701), (8, 124716), (9, 124782), (10, 124785),

Gene: Tyke_220 Start: 126768, Stop: 127451, Start Num: 2

Candidate Starts for Tyke_220:

(Start: 1 @126756 has 30 MA's), (Start: 2 @126768 has 4 MA's), (3, 126777), (4, 126957), (5, 127215), (6, 127218), (7, 127311), (8, 127326), (9, 127392), (10, 127395),

Gene: YoungMoneyMata_221 Start: 125308, Stop: 126003, Start Num: 1

Candidate Starts for YoungMoneyMata_221:

(Start: 1 @125308 has 30 MA's), (Start: 2 @125320 has 4 MA's), (3, 125329), (4, 125509), (5, 125767), (6, 125770), (7, 125863), (8, 125878), (9, 125944), (10, 125947),