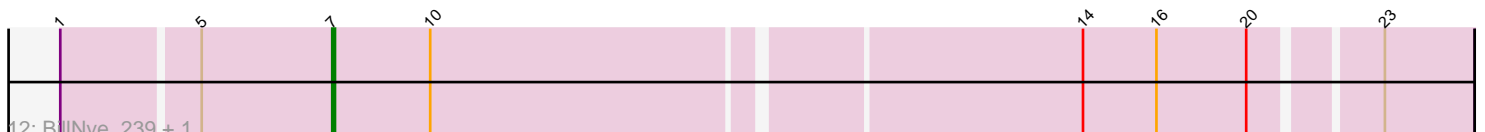
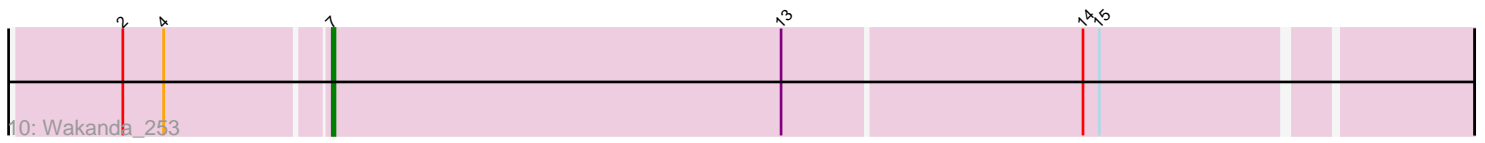
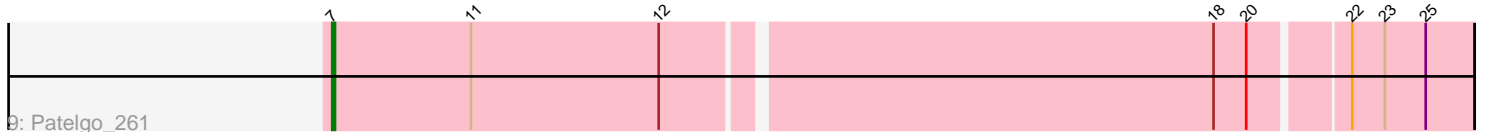
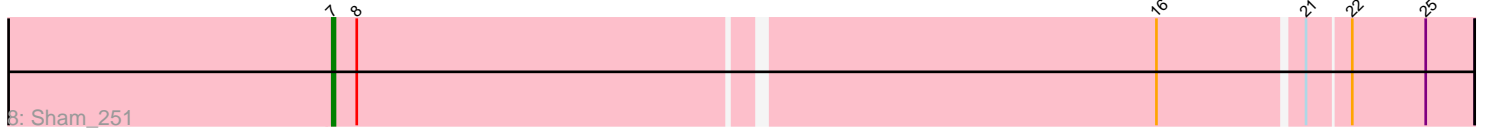
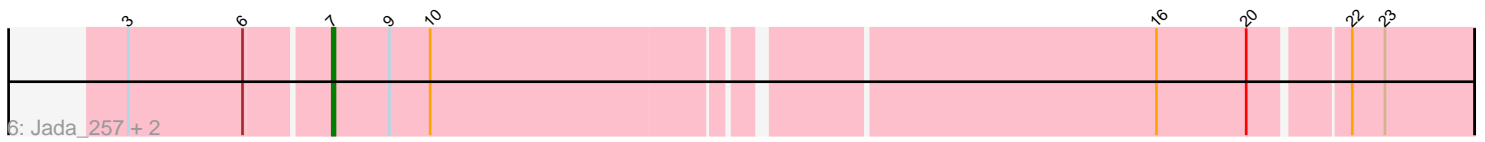
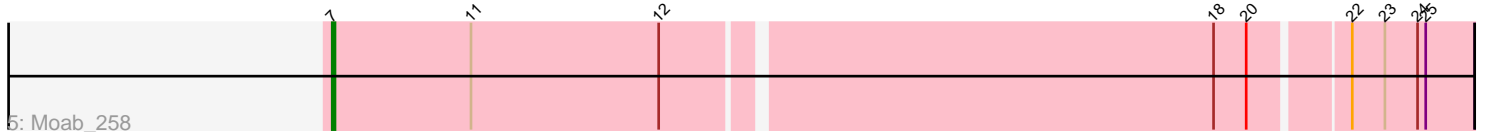
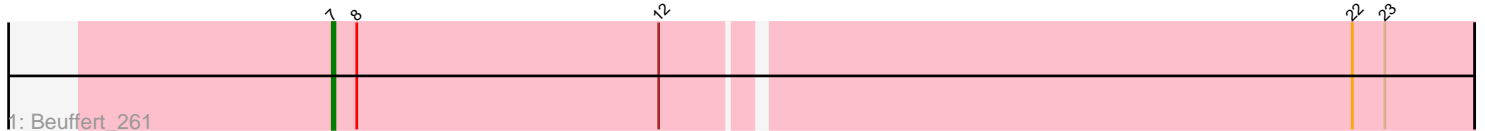


Pham 203351



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 203351 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203351 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Beuffert_261
- Track 2 : Emma1919_257, MeganTheeKilla_258, Phredrick_262
- Track 3 : Faust_260, SeresaTree_265
- Track 4 : Gilson_256
- Track 5 : Moab_258
- Track 6 : Jada_257, Forrest_256, Francob_260
- Track 7 : TunaTartare_256
- Track 8 : Sham_251
- Track 9 : Patelgo_261
- Track 10 : Wakanda_253
- Track 11 : Muntaha_256
- Track 12 : BillNye_239, Circinus_238

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

The start number called the most often in the published annotations is 7, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beuffert_261, BillNye_239, Circinus_238, Emma1919_257, Faust_260, Forrest_256, Francob_260, Gilson_256, Jada_257, MeganTheeKilla_258, Moab_258, Muntaha_256, Patelgo_261, Phredrick_262, SeresaTree_265, Sham_251, TunaTartare_256, Wakanda_253,

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 7:

- Found in 18 of 18 (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: Beuffert_261 (BK1), BillNye_239 (BK2), Circinus_238 (BK2), Emma1919_257 (BK1), Faust_260 (BK1), Forrest_256 (BK1), Francob_260 (BK1), Gilson_256 (BK1), Jada_257 (BK1), MeganTheeKilla_258 (BK1), Moab_258 (BK1), Muntaha_256 (BK2), Patelgo_261 (BK1), Phredrick_262 (BK1), SeresaTree_265 (BK1), Sham_251 (BK1), TunaTartare_256 (BK1), Wakanda_253 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 7 was manually annotated 13 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 7 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Beuffert_261 Start: 124352, Stop: 124762, Start Num: 7

Candidate Starts for Beuffert_261:

(Start: 7 @124352 has 17 MA's), (8, 124361), (12, 124472), (22, 124718), (23, 124730),

Gene: BillNye_239 Start: 121180, Stop: 121578, Start Num: 7

Candidate Starts for BillNye_239:

(1, 121084), (5, 121132), (Start: 7 @121180 has 17 MA's), (10, 121216), (14, 121444), (16, 121471), (20, 121504), (23, 121546),

Gene: Circinus_238 Start: 120687, Stop: 121085, Start Num: 7

Candidate Starts for Circinus_238:

(1, 120591), (5, 120639), (Start: 7 @120687 has 17 MA's), (10, 120723), (14, 120951), (16, 120978), (20, 121011), (23, 121053),

Gene: Emma1919_257 Start: 122129, Stop: 122527, Start Num: 7

Candidate Starts for Emma1919_257:

(3, 122060), (6, 122102), (Start: 7 @122129 has 17 MA's), (9, 122150), (10, 122165), (16, 122417), (19, 122447), (22, 122483), (23, 122495), (24, 122507),

Gene: Faust_260 Start: 125140, Stop: 125544, Start Num: 7

Candidate Starts for Faust_260:

(Start: 7 @125140 has 17 MA's), (14, 125407), (15, 125413), (17, 125443), (21, 125485), (23, 125512), (25, 125527),

Gene: Forrest_256 Start: 122869, Stop: 123267, Start Num: 7

Candidate Starts for Forrest_256:

(3, 122800), (6, 122842), (Start: 7 @122869 has 17 MA's), (9, 122890), (10, 122905), (16, 123157), (20, 123190), (22, 123223), (23, 123235),

Gene: Francob_260 Start: 123232, Stop: 123630, Start Num: 7

Candidate Starts for Francob_260:

(3, 123163), (6, 123205), (Start: 7 @123232 has 17 MA's), (9, 123253), (10, 123268), (16, 123520), (20, 123553), (22, 123586), (23, 123598),

Gene: Gilson_256 Start: 122487, Stop: 122885, Start Num: 7

Candidate Starts for Gilson_256:

(3, 122418), (6, 122460), (Start: 7 @122487 has 17 MA's), (10, 122523), (16, 122775), (19, 122805), (22, 122841), (23, 122853), (24, 122865),

Gene: Jada_257 Start: 122109, Stop: 122507, Start Num: 7

Candidate Starts for Jada_257:

(3, 122040), (6, 122082), (Start: 7 @122109 has 17 MA's), (9, 122130), (10, 122145), (16, 122397), (20, 122430), (22, 122463), (23, 122475),

Gene: MeganTheeKilla_258 Start: 122298, Stop: 122696, Start Num: 7

Candidate Starts for MeganTheeKilla_258:

(3, 122229), (6, 122271), (Start: 7 @122298 has 17 MA's), (9, 122319), (10, 122334), (16, 122586), (19, 122616), (22, 122652), (23, 122664), (24, 122676),

Gene: Moab_258 Start: 124224, Stop: 124628, Start Num: 7

Candidate Starts for Moab_258:

(Start: 7 @124224 has 17 MA's), (11, 124275), (12, 124344), (18, 124539), (20, 124551), (22, 124584), (23, 124596), (24, 124608), (25, 124611),

Gene: Muntaha_256 Start: 121984, Stop: 122391, Start Num: 7

Candidate Starts for Muntaha_256:

(5, 121939), (Start: 7 @121984 has 17 MA's), (13, 122149), (14, 122257), (15, 122263),

Gene: Patelgo_261 Start: 125171, Stop: 125575, Start Num: 7

Candidate Starts for Patelgo_261:

(Start: 7 @125171 has 17 MA's), (11, 125222), (12, 125291), (18, 125486), (20, 125498), (22, 125531), (23, 125543), (25, 125558),

Gene: Phredrick_262 Start: 122980, Stop: 123378, Start Num: 7

Candidate Starts for Phredrick_262:

(3, 122911), (6, 122953), (Start: 7 @122980 has 17 MA's), (9, 123001), (10, 123016), (16, 123268), (19, 123298), (22, 123334), (23, 123346), (24, 123358),

Gene: SeresaTree_265 Start: 125361, Stop: 125765, Start Num: 7

Candidate Starts for SeresaTree_265:

(Start: 7 @125361 has 17 MA's), (14, 125628), (15, 125634), (17, 125664), (21, 125706), (23, 125733), (25, 125748),

Gene: Sham_251 Start: 125060, Stop: 125464, Start Num: 7

Candidate Starts for Sham_251:

(Start: 7 @125060 has 17 MA's), (8, 125069), (16, 125354), (21, 125405), (22, 125420), (25, 125447),

Gene: TunaTartare_256 Start: 125920, Stop: 126324, Start Num: 7

Candidate Starts for TunaTartare_256:

(Start: 7 @125920 has 17 MA's), (8, 125929), (16, 126214), (21, 126265), (22, 126280), (25, 126307),

Gene: Wakanda_253 Start: 121195, Stop: 121602, Start Num: 7

Candidate Starts for Wakanda_253:

(2, 121123), (4, 121138), (Start: 7 @121195 has 17 MA's), (13, 121360), (14, 121468), (15, 121474),