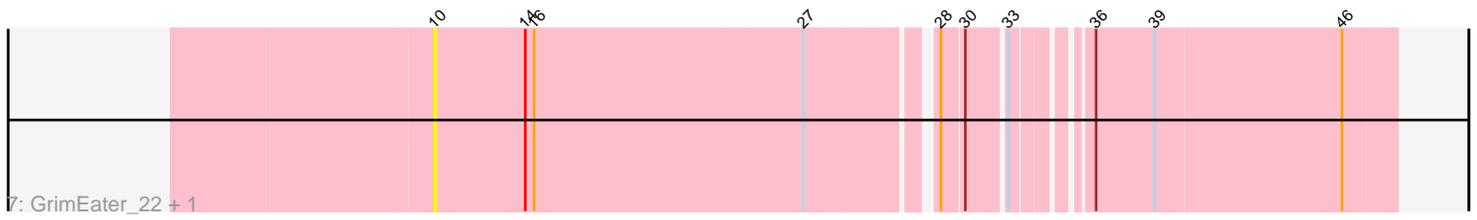
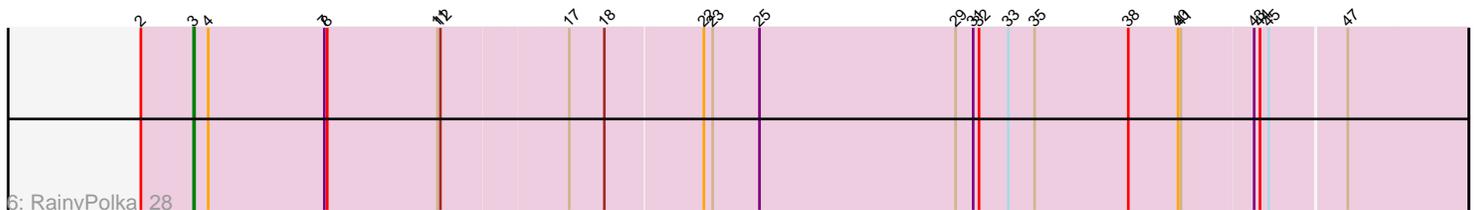
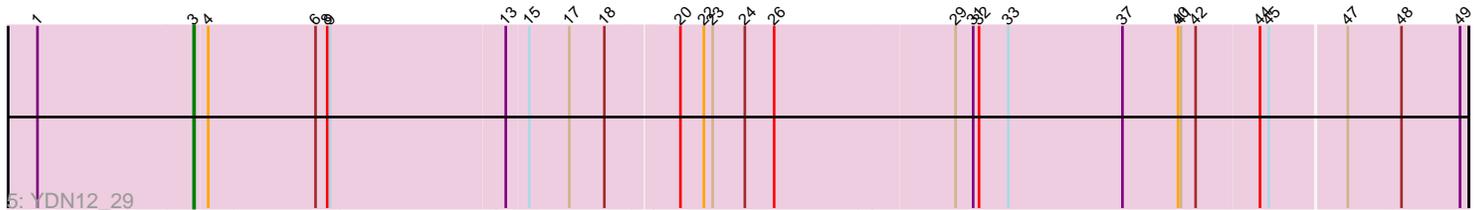
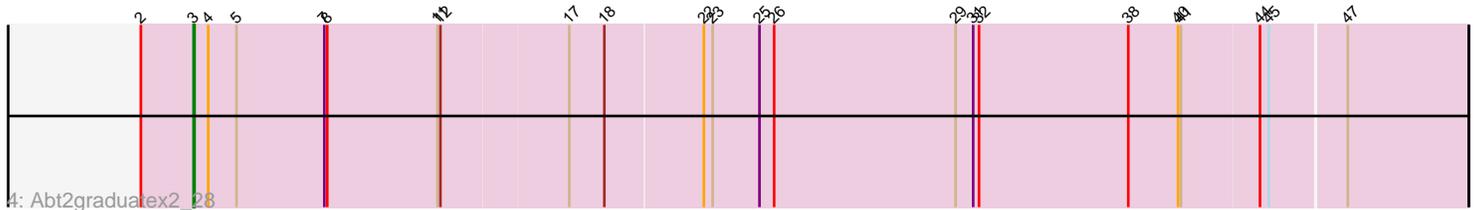
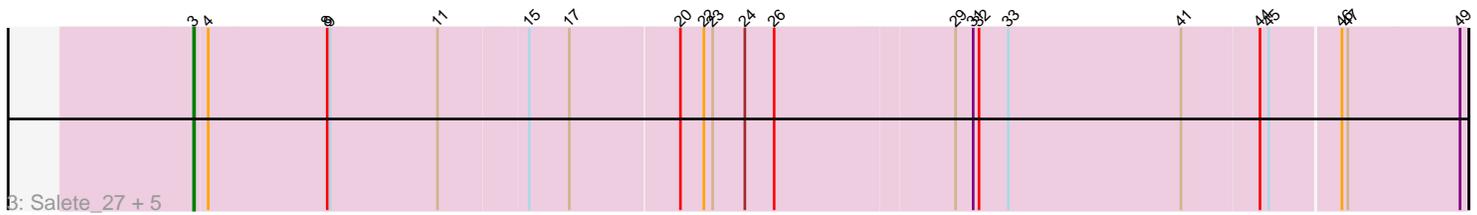
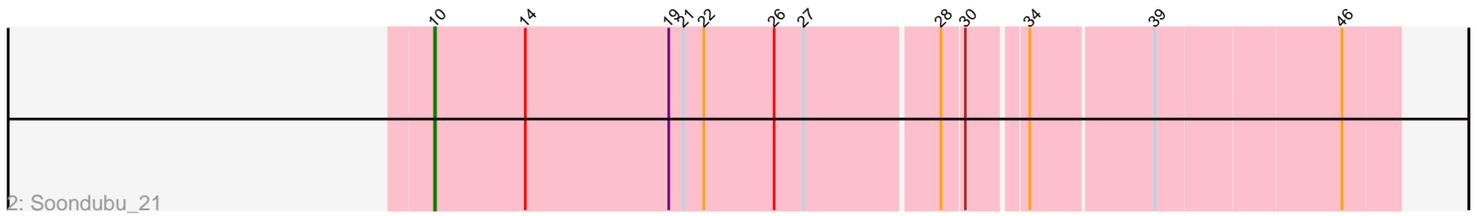
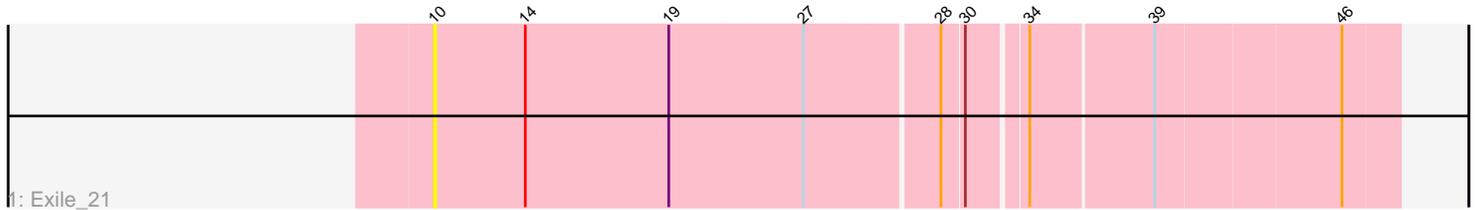


Pham 291671



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 291671 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291671 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Exile_21
- Track 2 : Soondubu_21
- Track 3 : Salete_27, BabyGotBac_27, TP1604_27, BayC_27, Maih_27, Asis_27
- Track 4 : Abt2graduatex2_28
- Track 5 : YDN12_29
- Track 6 : RainyPolka_28
- Track 7 : GrimEater_22, Jankie_23

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_28, Asis_27, BabyGotBac_27, BayC_27, Maih_27, RainyPolka_28, Salete_27, TP1604_27, YDN12_29,

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

-

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

- Exile_21, GrimEater_22, Jankie_23, Soondubu_21,

Summary by start number:

Start 3:

- Found in 9 of 13 (69.2%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_28 (BG), Asis_27 (BG), BabyGotBac_27 (BG), BayC_27 (BG), Maih_27 (BG), RainyPolka_28 (BG), Salete_27 (BG), TP1604_27 (BG), YDN12_29 (BG),

Start 10:

- Found in 4 of 13 (30.8%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Exile_21 (AZ6), GrimEater_22 (FP), Jankie_23 (FP), Soondubu_21 (AZ6),

Summary by clusters:

There are 3 clusters represented in this pham: FP, BG, AZ6,

Info for manual annotations of cluster AZ6:

- Start number 10 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BG:

- Start number 3 was manually annotated 9 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_28 Start: 26138, Stop: 27415, Start Num: 3

Candidate Starts for Abt2graduatex2_28:

(2, 26084), (Start: 3 @26138 has 9 MA's), (4, 26153), (5, 26180), (7, 26270), (8, 26273), (11, 26384), (12, 26387), (17, 26510), (18, 26546), (22, 26642), (23, 26651), (25, 26699), (26, 26714), (29, 26900), (31, 26918), (32, 26924), (38, 27077), (40, 27128), (41, 27131), (44, 27209), (45, 27218), (47, 27293),

Gene: Asis_27 Start: 25552, Stop: 26814, Start Num: 3

Candidate Starts for Asis_27:

(Start: 3 @25552 has 9 MA's), (4, 25564), (8, 25684), (9, 25687), (11, 25795), (15, 25882), (17, 25921), (20, 26029), (22, 26053), (23, 26062), (24, 26095), (26, 26125), (29, 26302), (31, 26320), (32, 26326), (33, 26356), (41, 26533), (44, 26611), (45, 26620), (46, 26689), (47, 26695), (49, 26809),

Gene: BabyGotBac_27 Start: 25552, Stop: 26814, Start Num: 3

Candidate Starts for BabyGotBac_27:

(Start: 3 @25552 has 9 MA's), (4, 25564), (8, 25684), (9, 25687), (11, 25795), (15, 25882), (17, 25921), (20, 26029), (22, 26053), (23, 26062), (24, 26095), (26, 26125), (29, 26302), (31, 26320), (32, 26326), (33, 26356), (41, 26533), (44, 26611), (45, 26620), (46, 26689), (47, 26695), (49, 26809),

Gene: BayC_27 Start: 25552, Stop: 26814, Start Num: 3

Candidate Starts for BayC_27:

(Start: 3 @25552 has 9 MA's), (4, 25564), (8, 25684), (9, 25687), (11, 25795), (15, 25882), (17, 25921), (20, 26029), (22, 26053), (23, 26062), (24, 26095), (26, 26125), (29, 26302), (31, 26320), (32, 26326), (33, 26356), (41, 26533), (44, 26611), (45, 26620), (46, 26689), (47, 26695), (49, 26809),

Gene: Exile_21 Start: 20646, Stop: 21581, Start Num: 10

Candidate Starts for Exile_21:

(Start: 10 @20646 has 1 MA's), (14, 20739), (19, 20886), (27, 21021), (28, 21147), (30, 21168), (34, 21222), (39, 21342), (46, 21525),

Gene: GrimEater_22 Start: 18277, Stop: 19182, Start Num: 10

Candidate Starts for GrimEater_22:

(Start: 10 @18277 has 1 MA's), (14, 18370), (16, 18379), (27, 18652), (28, 18763), (30, 18784), (33, 18820), (36, 18880), (39, 18940), (46, 19129),

Gene: Jankie_23 Start: 18276, Stop: 19181, Start Num: 10

Candidate Starts for Jankie_23:

(Start: 10 @18276 has 1 MA's), (14, 18369), (16, 18378), (27, 18651), (28, 18762), (30, 18783), (33, 18819), (36, 18879), (39, 18939), (46, 19128),

Gene: Maih_27 Start: 25551, Stop: 26813, Start Num: 3

Candidate Starts for Maih_27:

(Start: 3 @25551 has 9 MA's), (4, 25563), (8, 25683), (9, 25686), (11, 25794), (15, 25881), (17, 25920), (20, 26028), (22, 26052), (23, 26061), (24, 26094), (26, 26124), (29, 26301), (31, 26319), (32, 26325), (33, 26355), (41, 26532), (44, 26610), (45, 26619), (46, 26688), (47, 26694), (49, 26808),

Gene: RainyPolka_28 Start: 26004, Stop: 27281, Start Num: 3

Candidate Starts for RainyPolka_28:

(2, 25950), (Start: 3 @26004 has 9 MA's), (4, 26019), (7, 26136), (8, 26139), (11, 26250), (12, 26253), (17, 26376), (18, 26412), (22, 26508), (23, 26517), (25, 26565), (29, 26766), (31, 26784), (32, 26790), (33, 26820), (35, 26847), (38, 26943), (40, 26994), (41, 26997), (43, 27069), (44, 27075), (45, 27084), (47, 27159),

Gene: Salete_27 Start: 25552, Stop: 26814, Start Num: 3

Candidate Starts for Salete_27:

(Start: 3 @25552 has 9 MA's), (4, 25564), (8, 25684), (9, 25687), (11, 25795), (15, 25882), (17, 25921), (20, 26029), (22, 26053), (23, 26062), (24, 26095), (26, 26125), (29, 26302), (31, 26320), (32, 26326), (33, 26356), (41, 26533), (44, 26611), (45, 26620), (46, 26689), (47, 26695), (49, 26809),

Gene: Soondubu_21 Start: 20650, Stop: 21585, Start Num: 10

Candidate Starts for Soondubu_21:

(Start: 10 @20650 has 1 MA's), (14, 20743), (19, 20890), (21, 20905), (22, 20926), (26, 20995), (27, 21025), (28, 21151), (30, 21172), (34, 21226), (39, 21346), (46, 21529),

Gene: TP1604_27 Start: 25552, Stop: 26814, Start Num: 3

Candidate Starts for TP1604_27:

(Start: 3 @25552 has 9 MA's), (4, 25564), (8, 25684), (9, 25687), (11, 25795), (15, 25882), (17, 25921), (20, 26029), (22, 26053), (23, 26062), (24, 26095), (26, 26125), (29, 26302), (31, 26320), (32, 26326), (33, 26356), (41, 26533), (44, 26611), (45, 26620), (46, 26689), (47, 26695), (49, 26809),

Gene: YDN12_29 Start: 25515, Stop: 26783, Start Num: 3

Candidate Starts for YDN12_29:

(1, 25356), (Start: 3 @25515 has 9 MA's), (4, 25527), (6, 25635), (8, 25647), (9, 25650), (13, 25824), (15, 25845), (17, 25884), (18, 25920), (20, 25992), (22, 26016), (23, 26025), (24, 26058), (26, 26088), (29, 26268), (31, 26286), (32, 26292), (33, 26322), (37, 26439), (40, 26496), (41, 26499), (42, 26514), (44, 26577), (45, 26586), (47, 26661), (48, 26715), (49, 26775),