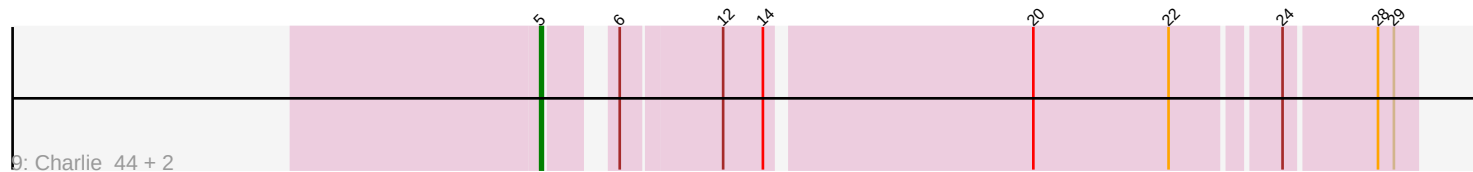
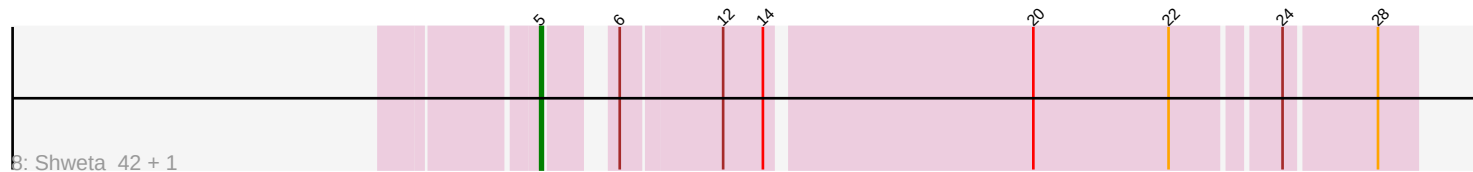
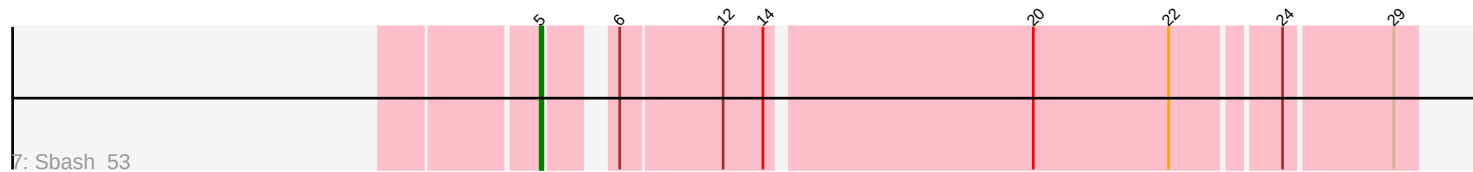
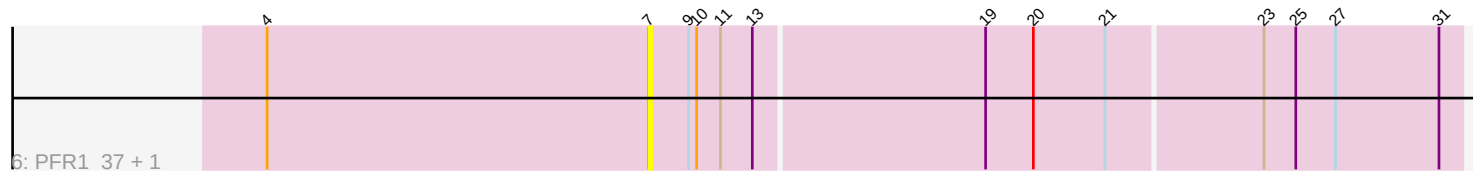
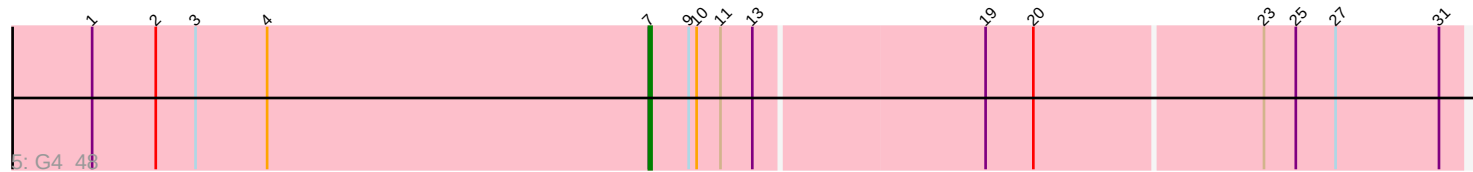
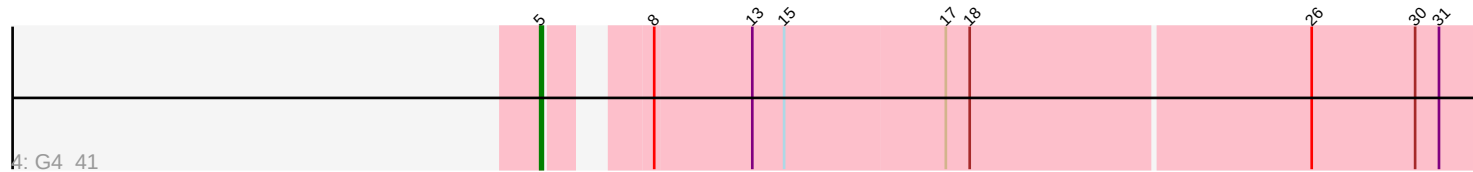
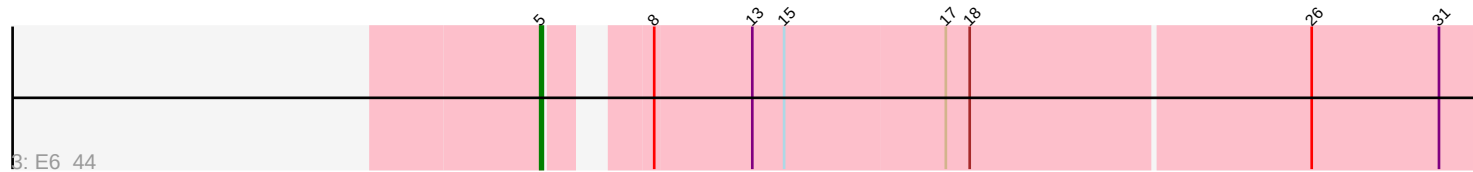
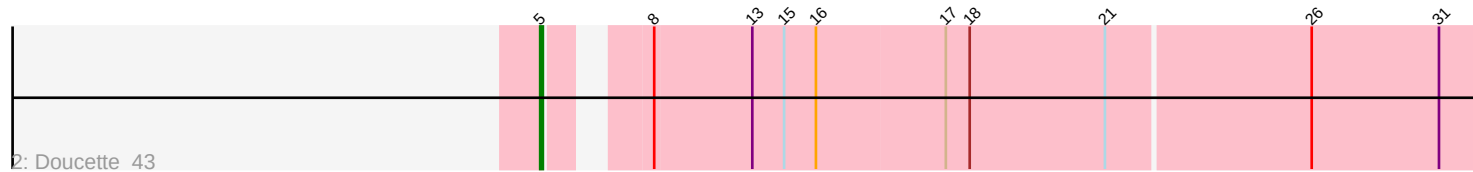
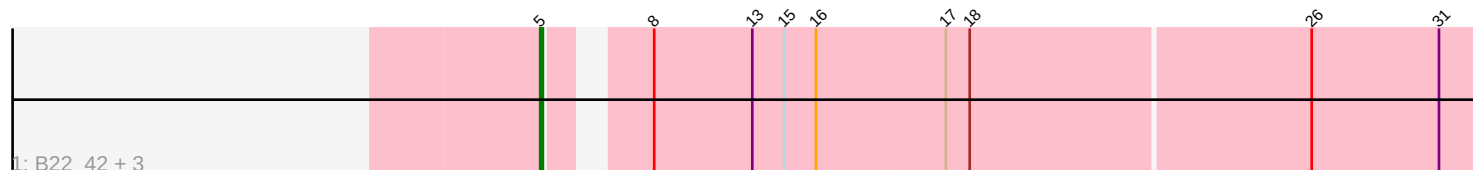


Pham 280975



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 280975 Report

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

Pham number 280975 has 16 members, 3 are drafts.

Phages represented in each track:

- Track 1 : B22_42, E1_40, Anatole_40, B3_39
- Track 2 : Doucette_43
- Track 3 : E6_44
- Track 4 : G4_41
- Track 5 : G4_48
- Track 6 : PFR1_37, PFR2_39
- Track 7 : Sbash_53
- Track 8 : Shweta_42, Stuck_58
- Track 9 : Charlie_44, Sejanus_58, Journey_43

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anatole_40, B22_42, B3_39, Charlie_44, Doucette_43, E1_40, E6_44, G4_41, Journey_43, Sbash_53, Sejanus_58, Shweta_42, Stuck_58,

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

-

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

- G4_48, PFR1_37, PFR2_39,

Summary by start number:

Start 5:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anatole_40 (BV), B22_42 (BW), B3_39 (BV), Charlie_44 (N), Doucette_43 (BW), E1_40 (BV), E6_44 (BW), G4_41 (BW), Journey_43 (N), Sbash_53 (I2), Sejanus_58 (AD), Shweta_42 (N), Stuck_58 (I2),

Start 7:

- Found in 3 of 16 (18.8%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: G4_48 (BW), PFR1_37 (BX), PFR2_39 (BX),

Summary by clusters:

There are 6 clusters represented in this pham: AD, I2, N, BV, BW, BX,

Info for manual annotations of cluster AD:

- Start number 5 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster BV:

- Start number 5 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:

- Start number 5 was manually annotated 4 times for cluster BW.
- Start number 7 was manually annotated 1 time for cluster BW.

Info for manual annotations of cluster I2:

- Start number 5 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:

- Start number 5 was manually annotated 3 times for cluster N.

Gene Information:

Gene: Anatole_40 Start: 28483, Stop: 28815, Start Num: 5

Candidate Starts for Anatole_40:

(Start: 5 @28483 has 12 MA's), (8, 28510), (13, 28546), (15, 28558), (16, 28570), (17, 28618), (18, 28627), (26, 28753), (31, 28801),

Gene: B22_42 Start: 28248, Stop: 28580, Start Num: 5

Candidate Starts for B22_42:

(Start: 5 @28248 has 12 MA's), (8, 28275), (13, 28311), (15, 28323), (16, 28335), (17, 28383), (18, 28392), (26, 28518), (31, 28566),

Gene: B3_39 Start: 27767, Stop: 28099, Start Num: 5

Candidate Starts for B3_39:

(Start: 5 @27767 has 12 MA's), (8, 27794), (13, 27830), (15, 27842), (16, 27854), (17, 27902), (18, 27911), (26, 28037), (31, 28085),

Gene: Charlie_44 Start: 30217, Stop: 30516, Start Num: 5

Candidate Starts for Charlie_44:

(Start: 5 @30217 has 12 MA's), (6, 30235), (12, 30271), (14, 30286), (20, 30382), (22, 30433), (24, 30469), (28, 30502), (29, 30508),

Gene: Doucette_43 Start: 29654, Stop: 29986, Start Num: 5

Candidate Starts for Doucette_43:

(Start: 5 @29654 has 12 MA's), (8, 29681), (13, 29717), (15, 29729), (16, 29741), (17, 29789), (18, 29798), (21, 29849), (26, 29924), (31, 29972),

Gene: E1_40 Start: 28483, Stop: 28815, Start Num: 5

Candidate Starts for E1_40:

(Start: 5 @28483 has 12 MA's), (8, 28510), (13, 28546), (15, 28558), (16, 28570), (17, 28618), (18, 28627), (26, 28753), (31, 28801),

Gene: E6_44 Start: 31064, Stop: 31396, Start Num: 5

Candidate Starts for E6_44:

(Start: 5 @31064 has 12 MA's), (8, 31091), (13, 31127), (15, 31139), (17, 31199), (18, 31208), (26, 31334), (31, 31382),

Gene: G4_41 Start: 28598, Stop: 28930, Start Num: 5

Candidate Starts for G4_41:

(Start: 5 @28598 has 12 MA's), (8, 28625), (13, 28661), (15, 28673), (17, 28733), (18, 28742), (26, 28868), (30, 28907), (31, 28916),

Gene: G4_48 Start: 30679, Stop: 30978, Start Num: 7

Candidate Starts for G4_48:

(1, 30469), (2, 30493), (3, 30508), (4, 30535), (Start: 7 @30679 has 1 MA's), (9, 30694), (10, 30697), (11, 30706), (13, 30718), (19, 30802), (20, 30820), (23, 30904), (25, 30916), (27, 30931), (31, 30970),

Gene: Journey_43 Start: 30217, Stop: 30516, Start Num: 5

Candidate Starts for Journey_43:

(Start: 5 @30217 has 12 MA's), (6, 30235), (12, 30271), (14, 30286), (20, 30382), (22, 30433), (24, 30469), (28, 30502), (29, 30508),

Gene: PFR1_37 Start: 28506, Stop: 28805, Start Num: 7

Candidate Starts for PFR1_37:

(4, 28362), (Start: 7 @28506 has 1 MA's), (9, 28521), (10, 28524), (11, 28533), (13, 28545), (19, 28629), (20, 28647), (21, 28674), (23, 28731), (25, 28743), (27, 28758), (31, 28797),

Gene: PFR2_39 Start: 30075, Stop: 30374, Start Num: 7

Candidate Starts for PFR2_39:

(4, 29931), (Start: 7 @30075 has 1 MA's), (9, 30090), (10, 30093), (11, 30102), (13, 30114), (19, 30198), (20, 30216), (21, 30243), (23, 30300), (25, 30312), (27, 30327), (31, 30366),

Gene: Sbash_53 Start: 39707, Stop: 40006, Start Num: 5

Candidate Starts for Sbash_53:

(Start: 5 @39707 has 12 MA's), (6, 39725), (12, 39761), (14, 39776), (20, 39872), (22, 39923), (24, 39959), (29, 39998),

Gene: Sejanus_58 Start: 47696, Stop: 47995, Start Num: 5

Candidate Starts for Sejanus_58:

(Start: 5 @47696 has 12 MA's), (6, 47714), (12, 47750), (14, 47765), (20, 47861), (22, 47912), (24, 47948), (28, 47981), (29, 47987),

Gene: Shweta_42 Start: 30626, Stop: 30925, Start Num: 5

Candidate Starts for Shweta_42:

(Start: 5 @30626 has 12 MA's), (6, 30644), (12, 30680), (14, 30695), (20, 30791), (22, 30842), (24, 30878), (28, 30911),

Gene: Stuck_58 Start: 41100, Stop: 41399, Start Num: 5

Candidate Starts for Stuck_58:

(Start: 5 @41100 has 12 MA's), (6, 41118), (12, 41154), (14, 41169), (20, 41265), (22, 41316), (24, 41352), (28, 41385),