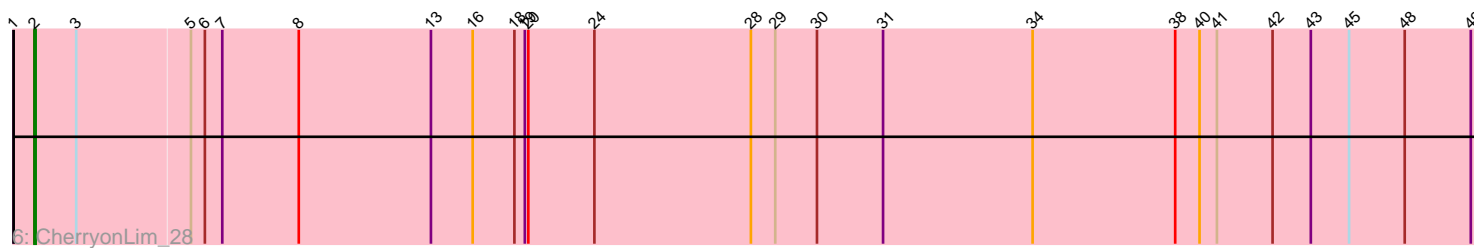
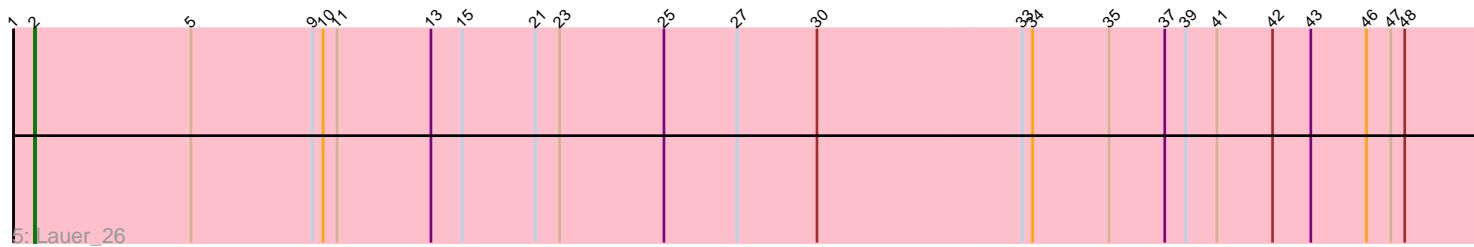
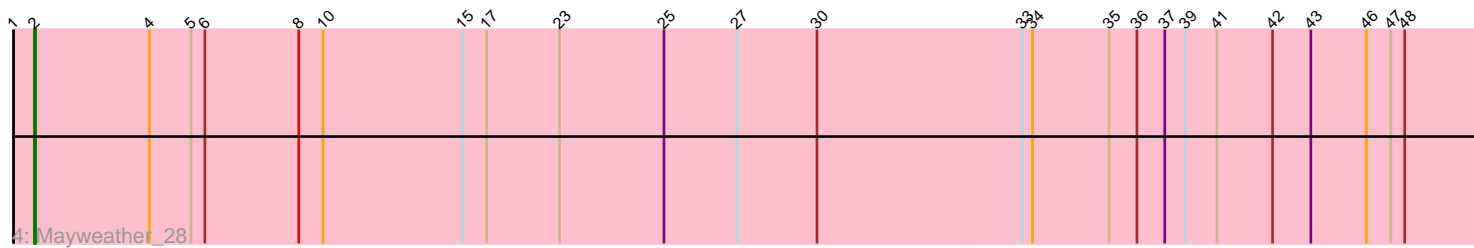
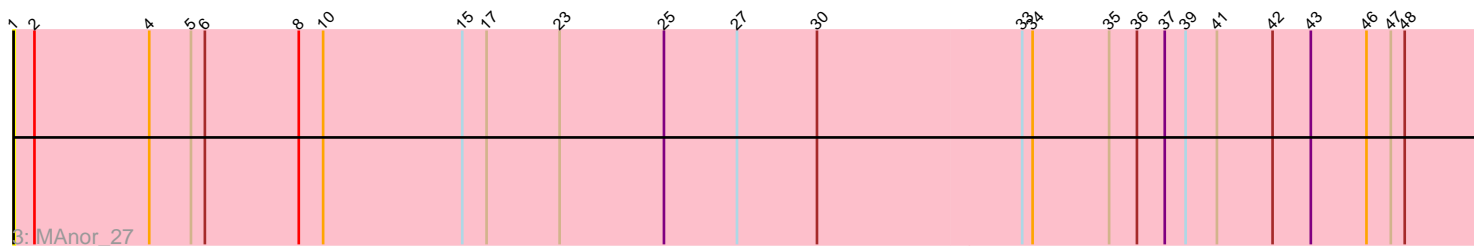
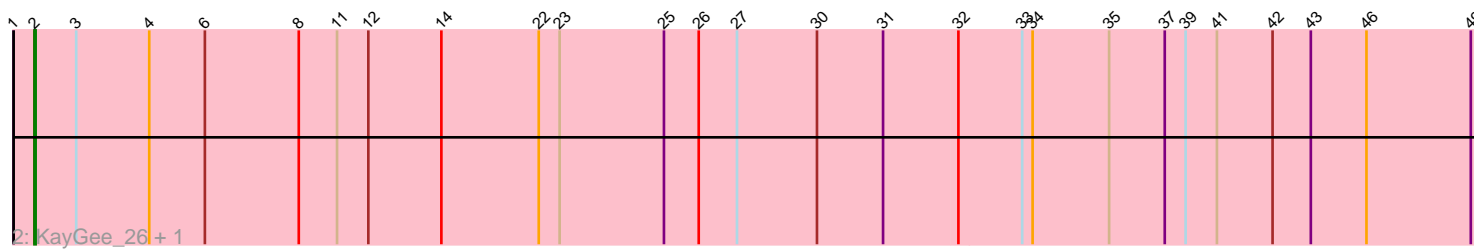
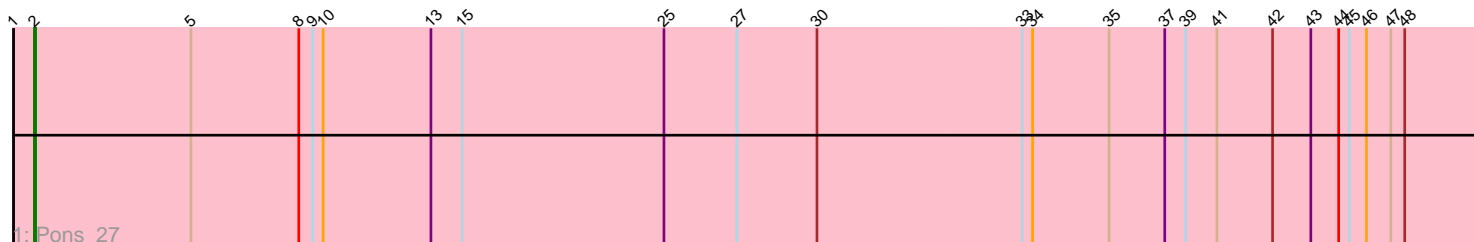


Pham 7341



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 7341 Report

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

Pham number 7341 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Pons_27
- Track 2 : KayGee_26, Elinal_28
- Track 3 : MAnor_27
- Track 4 : Mayweather_28
- Track 5 : Lauer_26
- Track 6 : CherryonLim_28

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryonLim_28, Elinal_28, KayGee_26, Lauer_26, Mayweather_28, Pons_27,

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

- MAnor_27,

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

-

Summary by start number:

Start 1:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: MAnor_27 (CT),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 85.7% of time when present

- Phage (with cluster) where this start called: CherryonLim_28 (CT), Elinal_28 (CT), KayGee_26 (CT), Lauer_26 (CT), Mayweather_28 (CT), Pons_27 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 2 was manually annotated 5 times for cluster CT.

Gene Information:

Gene: CherryonLim_28 Start: 22011, Stop: 23255, Start Num: 2

Candidate Starts for CherryonLim_28:

(1, 21993), (Start: 2 @22011 has 5 MA's), (3, 22047), (5, 22143), (6, 22155), (7, 22170), (8, 22236), (13, 22350), (16, 22386), (18, 22422), (19, 22431), (20, 22434), (24, 22491), (28, 22626), (29, 22647), (30, 22683), (31, 22740), (34, 22869), (38, 22992), (40, 23013), (41, 23028), (42, 23076), (43, 23109), (45, 23142), (48, 23190), (49, 23247),

Gene: Elinal_28 Start: 21254, Stop: 22498, Start Num: 2

Candidate Starts for Elinal_28:

(1, 21236), (Start: 2 @21254 has 5 MA's), (3, 21290), (4, 21353), (6, 21401), (8, 21482), (11, 21515), (12, 21542), (14, 21605), (22, 21689), (23, 21707), (25, 21797), (26, 21827), (27, 21860), (30, 21929), (31, 21986), (32, 22049), (33, 22103), (34, 22112), (35, 22178), (37, 22226), (39, 22244), (41, 22271), (42, 22319), (43, 22352), (46, 22400), (49, 22490),

Gene: KayGee_26 Start: 21254, Stop: 22498, Start Num: 2

Candidate Starts for KayGee_26:

(1, 21236), (Start: 2 @21254 has 5 MA's), (3, 21290), (4, 21353), (6, 21401), (8, 21482), (11, 21515), (12, 21542), (14, 21605), (22, 21689), (23, 21707), (25, 21797), (26, 21827), (27, 21860), (30, 21929), (31, 21986), (32, 22049), (33, 22103), (34, 22112), (35, 22178), (37, 22226), (39, 22244), (41, 22271), (42, 22319), (43, 22352), (46, 22400), (49, 22490),

Gene: Lauer_26 Start: 21304, Stop: 22548, Start Num: 2

Candidate Starts for Lauer_26:

(1, 21286), (Start: 2 @21304 has 5 MA's), (5, 21439), (9, 21544), (10, 21553), (11, 21565), (13, 21646), (15, 21673), (21, 21736), (23, 21757), (25, 21847), (27, 21910), (30, 21979), (33, 22153), (34, 22162), (35, 22228), (37, 22276), (39, 22294), (41, 22321), (42, 22369), (43, 22402), (46, 22450), (47, 22471), (48, 22483),

Gene: MAnor_27 Start: 21253, Stop: 22515, Start Num: 1

Candidate Starts for MAnor_27:

(1, 21253), (Start: 2 @21271 has 5 MA's), (4, 21370), (5, 21406), (6, 21418), (8, 21499), (10, 21520), (15, 21640), (17, 21661), (23, 21724), (25, 21814), (27, 21877), (30, 21946), (33, 22120), (34, 22129), (35, 22195), (36, 22219), (37, 22243), (39, 22261), (41, 22288), (42, 22336), (43, 22369), (46, 22417), (47, 22438), (48, 22450),

Gene: Mayweather_28 Start: 21887, Stop: 23131, Start Num: 2

Candidate Starts for Mayweather_28:

(1, 21869), (Start: 2 @21887 has 5 MA's), (4, 21986), (5, 22022), (6, 22034), (8, 22115), (10, 22136), (15, 22256), (17, 22277), (23, 22340), (25, 22430), (27, 22493), (30, 22562), (33, 22736), (34, 22745),

(35, 22811), (36, 22835), (37, 22859), (39, 22877), (41, 22904), (42, 22952), (43, 22985), (46, 23033),
(47, 23054), (48, 23066),

Gene: Pons_27 Start: 21259, Stop: 22503, Start Num: 2

Candidate Starts for Pons_27:

(1, 21241), (Start: 2 @21259 has 5 MA's), (5, 21394), (8, 21487), (9, 21499), (10, 21508), (13, 21601),
(15, 21628), (25, 21802), (27, 21865), (30, 21934), (33, 22108), (34, 22117), (35, 22183), (37, 22231),
(39, 22249), (41, 22276), (42, 22324), (43, 22357), (44, 22381), (45, 22390), (46, 22405), (47, 22426),
(48, 22438),