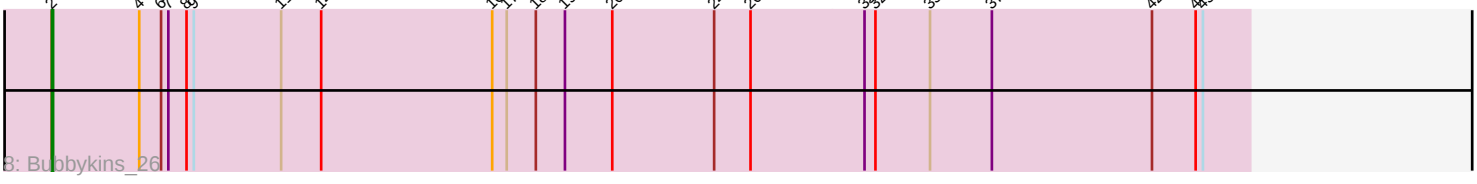
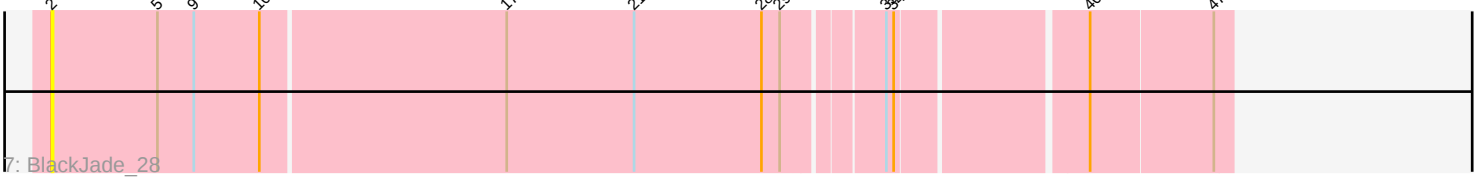
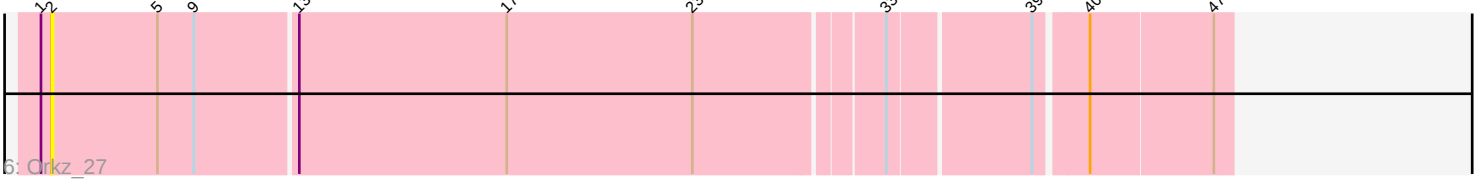
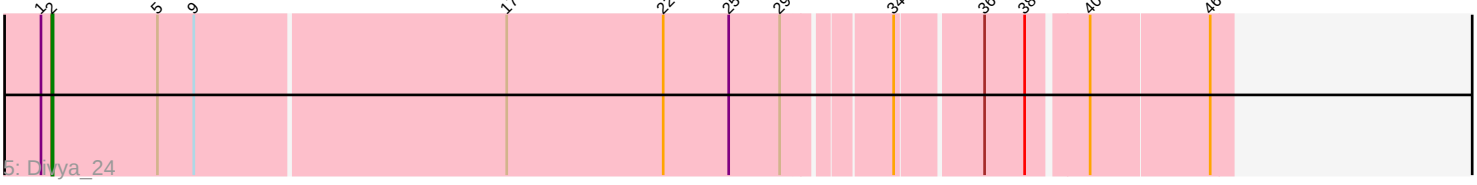
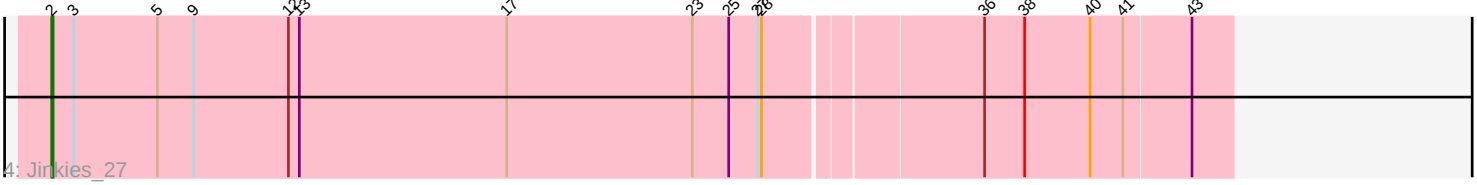
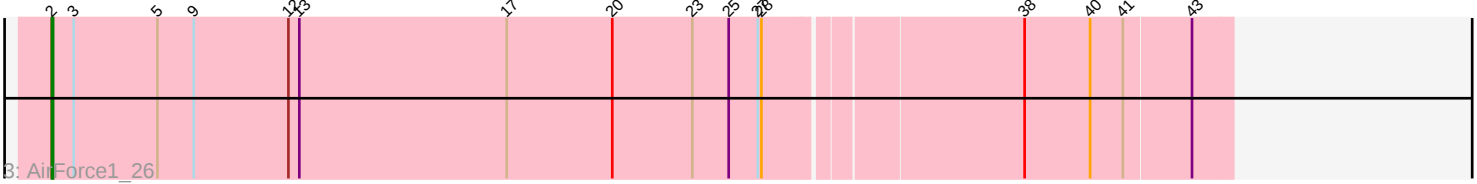
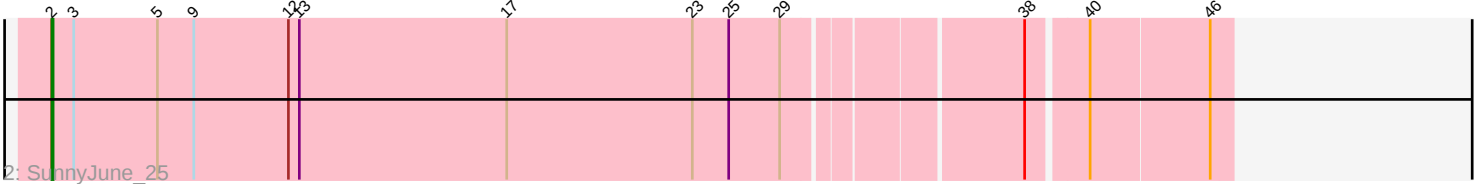
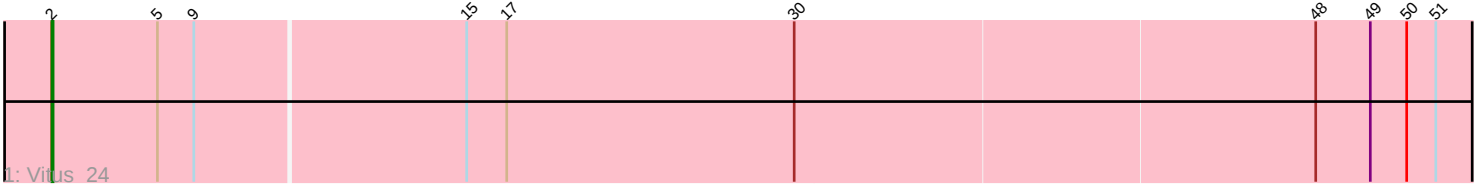


Pham 331576



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 331576 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331576 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Vitus_24
- Track 2 : SunnyJune_25
- Track 3 : AirForce1_26
- Track 4 : Jinkies_27
- Track 5 : Divya_24
- Track 6 : Orkz_27
- Track 7 : BlackJade_28
- Track 8 : Bubbykins_26

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1_26, BlackJade_28, Bubbykins_26, Divya_24, Jinkies_27, Orkz_27, SunnyJune_25, Vitus_24,

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 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AirForce1_26 (FL), BlackJade_28 (FL), Bubbykins_26 (UNK), Divya_24 (FL), Jinkies_27 (FL), Orkz_27 (FL), SunnyJune_25 (FL), Vitus_24 (FL),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FL,

Info for manual annotations of cluster FL:

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

Info for manual annotations of cluster UNK:

- Start number 2 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: AirForce1_26 Start: 19538, Stop: 20488, Start Num: 2

Candidate Starts for AirForce1_26:

(Start: 2 @19538 has 6 MA's), (3, 19556), (5, 19625), (9, 19655), (12, 19733), (13, 19742), (17, 19913), (20, 20000), (23, 20066), (25, 20096), (27, 20120), (28, 20123), (38, 20321), (40, 20375), (41, 20402), (43, 20456),

Gene: BlackJade_28 Start: 21416, Stop: 22345, Start Num: 2

Candidate Starts for BlackJade_28:

(Start: 2 @21416 has 6 MA's), (5, 21503), (9, 21533), (10, 21587), (17, 21785), (21, 21890), (28, 21995), (29, 22010), (33, 22082), (34, 22088), (40, 22232), (47, 22331),

Gene: Bubbykins_26 Start: 22082, Stop: 23068, Start Num: 2

Candidate Starts for Bubbykins_26:

(Start: 2 @22082 has 6 MA's), (4, 22154), (6, 22172), (7, 22178), (8, 22193), (9, 22199), (11, 22271), (14, 22304), (16, 22445), (17, 22457), (18, 22481), (19, 22505), (20, 22544), (24, 22628), (26, 22658), (31, 22751), (32, 22760), (35, 22805), (37, 22856), (42, 22988), (44, 23024), (45, 23030),

Gene: Divya_24 Start: 18708, Stop: 19637, Start Num: 2

Candidate Starts for Divya_24:

(1, 18699), (Start: 2 @18708 has 6 MA's), (5, 18795), (9, 18825), (17, 19077), (22, 19206), (25, 19260), (29, 19302), (34, 19380), (36, 19446), (38, 19479), (40, 19524), (46, 19620),

Gene: Jinkies_27 Start: 22024, Stop: 22974, Start Num: 2

Candidate Starts for Jinkies_27:

(Start: 2 @22024 has 6 MA's), (3, 22042), (5, 22111), (9, 22141), (12, 22219), (13, 22228), (17, 22399), (23, 22552), (25, 22582), (27, 22606), (28, 22609), (36, 22774), (38, 22807), (40, 22861), (41, 22888), (43, 22942),

Gene: Orkz_27 Start: 18804, Stop: 19733, Start Num: 2

Candidate Starts for Orkz_27:

(1, 18795), (Start: 2 @18804 has 6 MA's), (5, 18891), (9, 18921), (13, 19002), (17, 19173), (23, 19326), (33, 19470), (39, 19581), (40, 19620), (47, 19719),

Gene: SunnyJune_25 Start: 20417, Stop: 21352, Start Num: 2

Candidate Starts for SunnyJune_25:

(Start: 2 @20417 has 6 MA's), (3, 20435), (5, 20504), (9, 20534), (12, 20612), (13, 20621), (17, 20792), (23, 20945), (25, 20975), (29, 21017), (38, 21194), (40, 21239), (46, 21335),

Gene: Vitus_24 Start: 20188, Stop: 21348, Start Num: 2

Candidate Starts for Vitus_24:

(Start: 2 @20188 has 6 MA's), (5, 20275), (9, 20305), (15, 20524), (17, 20557), (30, 20794), (48, 21217), (49, 21262), (50, 21292), (51, 21316),