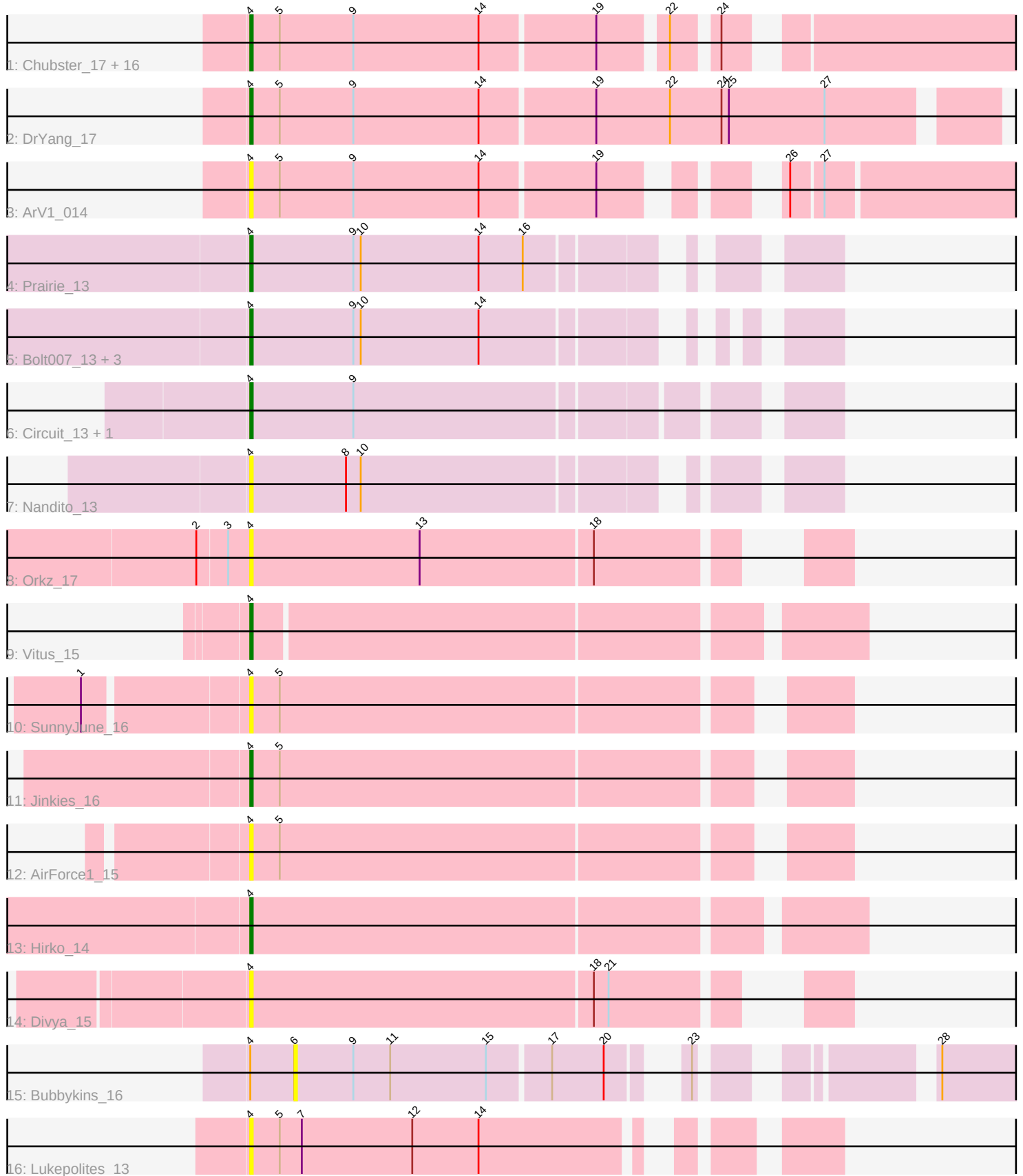


Pham 280643



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 280643 Report

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

Pham number 280643 has 36 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Chubster_17, Lymara_17, JaNo_17, RosiePosie_17, Chipper1996_170, EdgarPoe_17, Mordred_17, Linus_17, Tophat_17, HumptyDumpty_17, JayCookie_17, MoyaNatalis_17, Chocolat_17, Kabreeze_17, Conboy_17, PrincessTrina_17, Scavito_17
- Track 2 : DrYang_17
- Track 3 : ArV1_014
- Track 4 : Prairie_13
- Track 5 : Bolt007_13, Lilmac1015_13, Klevey_13, CalWood4100_13
- Track 6 : Circuit_13, Altadena_13
- Track 7 : Nandito_13
- Track 8 : Orkz_17
- Track 9 : Vitus_15
- Track 10 : SunnyJune_16
- Track 11 : Jinkies_16
- Track 12 : AirForce1_15
- Track 13 : Hirko_14
- Track 14 : Divya_15
- Track 15 : Bubbykins_16
- Track 16 : Lukepolites_13

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

The start number called the most often in the published annotations is 4, it was called in 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1_15, Altadena_13, ArV1_014, Bolt007_13, CalWood4100_13, Chipper1996_170, Chocolat_17, Chubster_17, Circuit_13, Conboy_17, Divya_15, DrYang_17, EdgarPoe_17, Hirko_14, HumptyDumpty_17, JaNo_17, JayCookie_17, Jinkies_16, Kabreeze_17, Klevey_13, Lilmac1015_13, Linus_17, Lukepolites_13, Lymara_17, Mordred_17, MoyaNatalis_17, Nandito_13, Orkz_17, Prairie_13, PrincessTrina_17, RosiePosie_17, Scavito_17, SunnyJune_16, Tophat_17, Vitus_15,

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

- Bubbykins_16,

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

-

Summary by start number:

Start 4:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 26
- Called 97.2% of time when present
- Phage (with cluster) where this start called: AirForce1_15 (FL), Altadena_13 (FH), ArV1_014 (AR), Bolt007_13 (FH), CalWood4100_13 (FH), Chipper1996_170 (AR), Chocolat_17 (AR), Chubster_17 (AR), Circuit_13 (FH), Conboy_17 (AR), Divya_15 (FL), DrYang_17 (AR), EdgarPoe_17 (AR), Hirko_14 (FL), HumptyDumpty_17 (AR), JaNo_17 (AR), JayCookie_17 (AR), Jinkies_16 (FL), Kabreeze_17 (AR), Klevey_13 (FH), Lilmac1015_13 (FH), Linus_17 (AR), Lukepolites_13 (singleton), Lymara_17 (AR), Mordred_17 (AR), MoyaNatalis_17 (AR), Nandito_13 (FH), Orkz_17 (FL), Prairie_13 (FH), PrincessTrina_17 (AR), RosiePosie_17 (AR), Scavito_17 (AR), SunnyJune_16 (FL), Tophat_17 (AR), Vitus_15 (FL),

Start 6:

- Found in 1 of 36 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bubbykins_16 (UNK),

Summary by clusters:

There are 5 clusters represented in this pham: FH, UNK, singleton, AR, FL,

Info for manual annotations of cluster AR:

- Start number 4 was manually annotated 17 times for cluster AR.

Info for manual annotations of cluster FH:

- Start number 4 was manually annotated 6 times for cluster FH.

Info for manual annotations of cluster FL:

- Start number 4 was manually annotated 3 times for cluster FL.

Gene Information:

Gene: AirForce1_15 Start: 10338, Stop: 10562, Start Num: 4

Candidate Starts for AirForce1_15:

(Start: 4 @10338 has 26 MA's), (5, 10350),

Gene: Altadena_13 Start: 10131, Stop: 10352, Start Num: 4

Candidate Starts for Altadena_13:

(Start: 4 @10131 has 26 MA's), (9, 10173),

Gene: ArV1_014 Start: 10967, Stop: 11242, Start Num: 4
Candidate Starts for ArV1_014:
(Start: 4 @10967 has 26 MA's), (5, 10979), (9, 11009), (14, 11060), (19, 11105), (26, 11153), (27, 11165),

Gene: Bolt007_13 Start: 10029, Stop: 10229, Start Num: 4
Candidate Starts for Bolt007_13:
(Start: 4 @10029 has 26 MA's), (9, 10071), (10, 10074), (14, 10122),

Gene: Bubbykins_16 Start: 12202, Stop: 12444, Start Num: 6
Candidate Starts for Bubbykins_16:
(Start: 4 @12184 has 26 MA's), (6, 12202), (9, 12226), (11, 12241), (15, 12280), (17, 12304), (20, 12325), (23, 12343), (28, 12412),

Gene: CalWood4100_13 Start: 10012, Stop: 10218, Start Num: 4
Candidate Starts for CalWood4100_13:
(Start: 4 @10012 has 26 MA's), (9, 10054), (10, 10057), (14, 10105),

Gene: Chipper1996_170 Start: 12616, Stop: 12897, Start Num: 4
Candidate Starts for Chipper1996_170:
(Start: 4 @12616 has 26 MA's), (5, 12628), (9, 12658), (14, 12709), (19, 12754), (22, 12778), (24, 12793),

Gene: Chocolat_17 Start: 12617, Stop: 12898, Start Num: 4
Candidate Starts for Chocolat_17:
(Start: 4 @12617 has 26 MA's), (5, 12629), (9, 12659), (14, 12710), (19, 12755), (22, 12779), (24, 12794),

Gene: Chubster_17 Start: 12387, Stop: 12668, Start Num: 4
Candidate Starts for Chubster_17:
(Start: 4 @12387 has 26 MA's), (5, 12399), (9, 12429), (14, 12480), (19, 12525), (22, 12549), (24, 12564),

Gene: Circuit_13 Start: 10115, Stop: 10333, Start Num: 4
Candidate Starts for Circuit_13:
(Start: 4 @10115 has 26 MA's), (9, 10157),

Gene: Conboy_17 Start: 12615, Stop: 12896, Start Num: 4
Candidate Starts for Conboy_17:
(Start: 4 @12615 has 26 MA's), (5, 12627), (9, 12657), (14, 12708), (19, 12753), (22, 12777), (24, 12792),

Gene: Divya_15 Start: 10634, Stop: 10846, Start Num: 4
Candidate Starts for Divya_15:
(Start: 4 @10634 has 26 MA's), (18, 10772), (21, 10778),

Gene: DrYang_17 Start: 12571, Stop: 12864, Start Num: 4
Candidate Starts for DrYang_17:
(Start: 4 @12571 has 26 MA's), (5, 12583), (9, 12613), (14, 12664), (19, 12709), (22, 12739), (24, 12760), (25, 12763), (27, 12802),

Gene: EdgarPoe_17 Start: 12615, Stop: 12896, Start Num: 4
Candidate Starts for EdgarPoe_17:

(Start: 4 @12615 has 26 MA's), (5, 12627), (9, 12657), (14, 12708), (19, 12753), (22, 12777), (24, 12792),

Gene: Hirko_14 Start: 11651, Stop: 11887, Start Num: 4

Candidate Starts for Hirko_14:

(Start: 4 @11651 has 26 MA's),

Gene: HumptyDumpty_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for HumptyDumpty_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: JaNo_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for JaNo_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: JayCookie_17 Start: 12617, Stop: 12898, Start Num: 4

Candidate Starts for JayCookie_17:

(Start: 4 @12617 has 26 MA's), (5, 12629), (9, 12659), (14, 12710), (19, 12755), (22, 12779), (24, 12794),

Gene: Jinkies_16 Start: 12256, Stop: 12480, Start Num: 4

Candidate Starts for Jinkies_16:

(Start: 4 @12256 has 26 MA's), (5, 12268),

Gene: Kabreeze_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for Kabreeze_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: Klevey_13 Start: 10022, Stop: 10228, Start Num: 4

Candidate Starts for Klevey_13:

(Start: 4 @10022 has 26 MA's), (9, 10064), (10, 10067), (14, 10115),

Gene: Lilmac1015_13 Start: 10012, Stop: 10218, Start Num: 4

Candidate Starts for Lilmac1015_13:

(Start: 4 @10012 has 26 MA's), (9, 10054), (10, 10057), (14, 10105),

Gene: Linus_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for Linus_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: Lukepolites_13 Start: 10365, Stop: 10571, Start Num: 4

Candidate Starts for Lukepolites_13:

(Start: 4 @10365 has 26 MA's), (5, 10377), (7, 10386), (12, 10431), (14, 10458),

Gene: Lymara_17 Start: 12616, Stop: 12897, Start Num: 4

Candidate Starts for Lymara_17:

(Start: 4 @12616 has 26 MA's), (5, 12628), (9, 12658), (14, 12709), (19, 12754), (22, 12778), (24, 12793),

Gene: Mordred_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for Mordred_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: MoyaNatalis_17 Start: 12617, Stop: 12898, Start Num: 4

Candidate Starts for MoyaNatalis_17:

(Start: 4 @12617 has 26 MA's), (5, 12629), (9, 12659), (14, 12710), (19, 12755), (22, 12779), (24, 12794),

Gene: Nandito_13 Start: 10109, Stop: 10318, Start Num: 4

Candidate Starts for Nandito_13:

(Start: 4 @10109 has 26 MA's), (8, 10148), (10, 10154),

Gene: Orkz_17 Start: 10714, Stop: 10926, Start Num: 4

Candidate Starts for Orkz_17:

(2, 10693), (3, 10705), (Start: 4 @10714 has 26 MA's), (13, 10783), (18, 10852),

Gene: Prairie_13 Start: 10019, Stop: 10225, Start Num: 4

Candidate Starts for Prairie_13:

(Start: 4 @10019 has 26 MA's), (9, 10061), (10, 10064), (14, 10112), (16, 10130),

Gene: PrincessTrina_17 Start: 12617, Stop: 12898, Start Num: 4

Candidate Starts for PrincessTrina_17:

(Start: 4 @12617 has 26 MA's), (5, 12629), (9, 12659), (14, 12710), (19, 12755), (22, 12779), (24, 12794),

Gene: RosiePosie_17 Start: 12617, Stop: 12898, Start Num: 4

Candidate Starts for RosiePosie_17:

(Start: 4 @12617 has 26 MA's), (5, 12629), (9, 12659), (14, 12710), (19, 12755), (22, 12779), (24, 12794),

Gene: Scavito_17 Start: 12614, Stop: 12895, Start Num: 4

Candidate Starts for Scavito_17:

(Start: 4 @12614 has 26 MA's), (5, 12626), (9, 12656), (14, 12707), (19, 12752), (22, 12776), (24, 12791),

Gene: SunnyJune_16 Start: 12120, Stop: 12344, Start Num: 4

Candidate Starts for SunnyJune_16:

(1, 12057), (Start: 4 @12120 has 26 MA's), (5, 12132),

Gene: Tophat_17 Start: 12616, Stop: 12897, Start Num: 4

Candidate Starts for Tophat_17:

(Start: 4 @12616 has 26 MA's), (5, 12628), (9, 12658), (14, 12709), (19, 12754), (22, 12778), (24, 12793),

Gene: Vitus_15 Start: 11899, Stop: 12132, Start Num: 4

Candidate Starts for Vitus_15:

(Start: 4 @11899 has 26 MA's),