



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 196751 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196751 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Spilled_25, JimJam_294, StarPlatinum_295, LukeCage_26, Jollison_26, JimJam_26, StarPlatinum_25, Spilled_293, LukeCage_289, Jollison_283
- Track 2 : Birchlyn_23, SaltySpitoon_26, Birchlyn_283, Karimac_26, CeilingFan_303, Amabiko_26, IchabodCrane_278, KentuckyRacer_294, Wipeout_25, KentuckyRacer_26, PumpkinSpice_26, Amabiko_290, Karimac_284, Quaran19_26, CeilingFan_29
- Track 3 : Spelly_292, Spelly_26
- Track 4 : PumpkinSpice_290

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

The start number called the most often in the published annotations is 1, it was called in 25 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amabiko_26, Amabiko_290, Birchlyn_23, Birchlyn_283, CeilingFan_29, CeilingFan_303, IchabodCrane_278, JimJam_26, JimJam_294, Jollison_26, Jollison_283, Karimac_26, Karimac_284, KentuckyRacer_26, KentuckyRacer_294, LukeCage_26, LukeCage_289, PumpkinSpice_26, Quaran19_26, SaltySpitoon_26, Spelly_26, Spelly_292, Spilled_25, Spilled_293, StarPlatinum_25, StarPlatinum_295, Wipeout_25,

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

- PumpkinSpice_290,

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

-

Summary by start number:

Start 1:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 26
- Called 96.4% of time when present

- Phage (with cluster) where this start called: Amabiko_26 (BE2), Amabiko_290 (BE2), Birchlyn_23 (BE2), Birchlyn_283 (BE2), CeilingFan_29 (BE2), CeilingFan_303 (BE2), IchabodCrane_278 (BE2), JimJam_26 (BE2), JimJam_294 (BE2), Jollison_26 (BE2), Jollison_283 (BE2), Karimac_26 (BE2), Karimac_284 (BE2), KentuckyRacer_26 (BE2), KentuckyRacer_294 (BE2), LukeCage_26 (BE2), LukeCage_289 (BE2), PumpkinSpice_26 (BE2), Quaran19_26 (BE2), SaltySpitooon_26 (BE2), Spelly_26 (BE2), Spelly_292 (BE2), Spilled_25 (BE2), Spilled_293 (BE2), StarPlatinum_25 (BE2), StarPlatinum_295 (BE2), Wipeout_25 (BE2),

Start 2:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 3.6% of time when present
- Phage (with cluster) where this start called: PumpkinSpice_290 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:

- Start number 1 was manually annotated 25 times for cluster BE2.
- Start number 2 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Amabiko_26 Start: 11579, Stop: 11376, Start Num: 1

Candidate Starts for Amabiko_26:

(Start: 1 @11579 has 25 MA's), (Start: 2 @11561 has 1 MA's), (3, 11519), (4, 11468), (5, 11444), (6, 11432), (7, 11423), (8, 11417),

Gene: Amabiko_290 Start: 130405, Stop: 130202, Start Num: 1

Candidate Starts for Amabiko_290:

(Start: 1 @130405 has 25 MA's), (Start: 2 @130387 has 1 MA's), (3, 130345), (4, 130294), (5, 130270), (6, 130258), (7, 130249), (8, 130243),

Gene: Birchlyn_23 Start: 9424, Stop: 9221, Start Num: 1

Candidate Starts for Birchlyn_23:

(Start: 1 @9424 has 25 MA's), (Start: 2 @9406 has 1 MA's), (3, 9364), (4, 9313), (5, 9289), (6, 9277), (7, 9268), (8, 9262),

Gene: Birchlyn_283 Start: 125515, Stop: 125312, Start Num: 1

Candidate Starts for Birchlyn_283:

(Start: 1 @125515 has 25 MA's), (Start: 2 @125497 has 1 MA's), (3, 125455), (4, 125404), (5, 125380), (6, 125368), (7, 125359), (8, 125353),

Gene: CeilingFan_303 Start: 131982, Stop: 131779, Start Num: 1

Candidate Starts for CeilingFan_303:

(Start: 1 @131982 has 25 MA's), (Start: 2 @131964 has 1 MA's), (3, 131922), (4, 131871), (5, 131847), (6, 131835), (7, 131826), (8, 131820),

Gene: CeilingFan_29 Start: 11375, Stop: 11172, Start Num: 1
Candidate Starts for CeilingFan_29:
(Start: 1 @11375 has 25 MA's), (Start: 2 @11357 has 1 MA's), (3, 11315), (4, 11264), (5, 11240), (6, 11228), (7, 11219), (8, 11213),

Gene: IchabodCrane_278 Start: 129721, Stop: 129518, Start Num: 1
Candidate Starts for IchabodCrane_278:
(Start: 1 @129721 has 25 MA's), (Start: 2 @129703 has 1 MA's), (3, 129661), (4, 129610), (5, 129586), (6, 129574), (7, 129565), (8, 129559),

Gene: JimJam_294 Start: 133114, Stop: 132911, Start Num: 1
Candidate Starts for JimJam_294:
(Start: 1 @133114 has 25 MA's), (Start: 2 @133096 has 1 MA's), (3, 133054), (4, 133003), (6, 132967), (7, 132958), (8, 132952),

Gene: JimJam_26 Start: 11578, Stop: 11375, Start Num: 1
Candidate Starts for JimJam_26:
(Start: 1 @11578 has 25 MA's), (Start: 2 @11560 has 1 MA's), (3, 11518), (4, 11467), (6, 11431), (7, 11422), (8, 11416),

Gene: Jollison_26 Start: 11579, Stop: 11376, Start Num: 1
Candidate Starts for Jollison_26:
(Start: 1 @11579 has 25 MA's), (Start: 2 @11561 has 1 MA's), (3, 11519), (4, 11468), (6, 11432), (7, 11423), (8, 11417),

Gene: Jollison_283 Start: 130254, Stop: 130051, Start Num: 1
Candidate Starts for Jollison_283:
(Start: 1 @130254 has 25 MA's), (Start: 2 @130236 has 1 MA's), (3, 130194), (4, 130143), (6, 130107), (7, 130098), (8, 130092),

Gene: Karimac_26 Start: 11581, Stop: 11378, Start Num: 1
Candidate Starts for Karimac_26:
(Start: 1 @11581 has 25 MA's), (Start: 2 @11563 has 1 MA's), (3, 11521), (4, 11470), (5, 11446), (6, 11434), (7, 11425), (8, 11419),

Gene: Karimac_284 Start: 130900, Stop: 130697, Start Num: 1
Candidate Starts for Karimac_284:
(Start: 1 @130900 has 25 MA's), (Start: 2 @130882 has 1 MA's), (3, 130840), (4, 130789), (5, 130765), (6, 130753), (7, 130744), (8, 130738),

Gene: KentuckyRacer_294 Start: 132827, Stop: 132624, Start Num: 1
Candidate Starts for KentuckyRacer_294:
(Start: 1 @132827 has 25 MA's), (Start: 2 @132809 has 1 MA's), (3, 132767), (4, 132716), (5, 132692), (6, 132680), (7, 132671), (8, 132665),

Gene: KentuckyRacer_26 Start: 11376, Stop: 11173, Start Num: 1
Candidate Starts for KentuckyRacer_26:
(Start: 1 @11376 has 25 MA's), (Start: 2 @11358 has 1 MA's), (3, 11316), (4, 11265), (5, 11241), (6, 11229), (7, 11220), (8, 11214),

Gene: LukeCage_26 Start: 11328, Stop: 11125, Start Num: 1
Candidate Starts for LukeCage_26:

(Start: 1 @11328 has 25 MA's), (Start: 2 @11310 has 1 MA's), (3, 11268), (4, 11217), (6, 11181), (7, 11172), (8, 11166),

Gene: LukeCage_289 Start: 132232, Stop: 132029, Start Num: 1

Candidate Starts for LukeCage_289:

(Start: 1 @132232 has 25 MA's), (Start: 2 @132214 has 1 MA's), (3, 132172), (4, 132121), (6, 132085), (7, 132076), (8, 132070),

Gene: PumpkinSpice_26 Start: 11579, Stop: 11376, Start Num: 1

Candidate Starts for PumpkinSpice_26:

(Start: 1 @11579 has 25 MA's), (Start: 2 @11561 has 1 MA's), (3, 11519), (4, 11468), (5, 11444), (6, 11432), (7, 11423), (8, 11417),

Gene: PumpkinSpice_290 Start: 131453, Stop: 131268, Start Num: 2

Candidate Starts for PumpkinSpice_290:

(Start: 1 @131471 has 25 MA's), (Start: 2 @131453 has 1 MA's), (3, 131411), (4, 131360), (5, 131336), (6, 131324), (7, 131315), (8, 131309),

Gene: Quaran19_26 Start: 11570, Stop: 11367, Start Num: 1

Candidate Starts for Quaran19_26:

(Start: 1 @11570 has 25 MA's), (Start: 2 @11552 has 1 MA's), (3, 11510), (4, 11459), (5, 11435), (6, 11423), (7, 11414), (8, 11408),

Gene: SaltySpittoon_26 Start: 11579, Stop: 11376, Start Num: 1

Candidate Starts for SaltySpittoon_26:

(Start: 1 @11579 has 25 MA's), (Start: 2 @11561 has 1 MA's), (3, 11519), (4, 11468), (5, 11444), (6, 11432), (7, 11423), (8, 11417),

Gene: Spelly_292 Start: 130383, Stop: 130180, Start Num: 1

Candidate Starts for Spelly_292:

(Start: 1 @130383 has 25 MA's), (Start: 2 @130365 has 1 MA's), (3, 130323), (6, 130236), (7, 130227), (8, 130221),

Gene: Spelly_26 Start: 11579, Stop: 11376, Start Num: 1

Candidate Starts for Spelly_26:

(Start: 1 @11579 has 25 MA's), (Start: 2 @11561 has 1 MA's), (3, 11519), (6, 11432), (7, 11423), (8, 11417),

Gene: Spilled_25 Start: 11189, Stop: 10986, Start Num: 1

Candidate Starts for Spilled_25:

(Start: 1 @11189 has 25 MA's), (Start: 2 @11171 has 1 MA's), (3, 11129), (4, 11078), (6, 11042), (7, 11033), (8, 11027),

Gene: Spilled_293 Start: 131658, Stop: 131455, Start Num: 1

Candidate Starts for Spilled_293:

(Start: 1 @131658 has 25 MA's), (Start: 2 @131640 has 1 MA's), (3, 131598), (4, 131547), (6, 131511), (7, 131502), (8, 131496),

Gene: StarPlatinum_295 Start: 132920, Stop: 132717, Start Num: 1

Candidate Starts for StarPlatinum_295:

(Start: 1 @132920 has 25 MA's), (Start: 2 @132902 has 1 MA's), (3, 132860), (4, 132809), (6, 132773), (7, 132764), (8, 132758),

Gene: StarPlatinum_25 Start: 11233, Stop: 11030, Start Num: 1

Candidate Starts for StarPlatinum_25:

(Start: 1 @11233 has 25 MA's), (Start: 2 @11215 has 1 MA's), (3, 11173), (4, 11122), (6, 11086), (7, 11077), (8, 11071),

Gene: Wipeout_25 Start: 11195, Stop: 10992, Start Num: 1

Candidate Starts for Wipeout_25:

(Start: 1 @11195 has 25 MA's), (Start: 2 @11177 has 1 MA's), (3, 11135), (4, 11084), (5, 11060), (6, 11048), (7, 11039), (8, 11033),