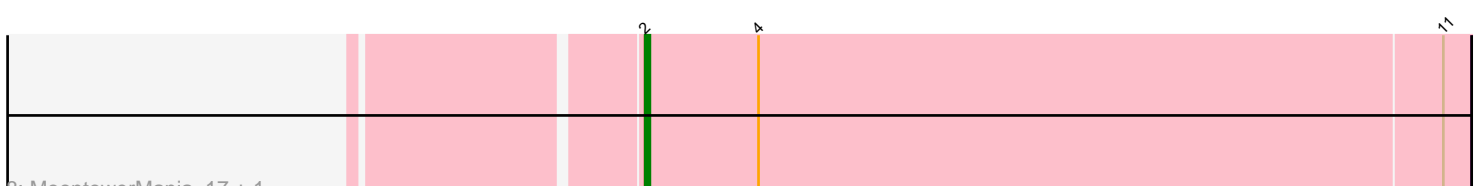
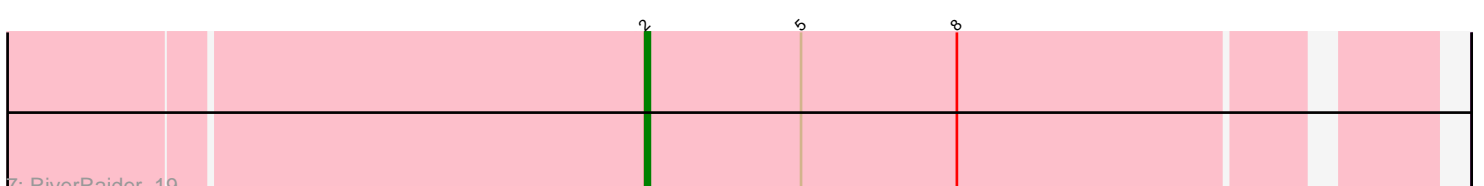
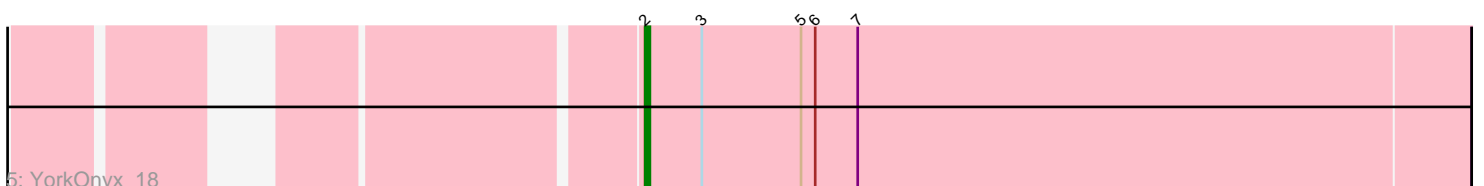
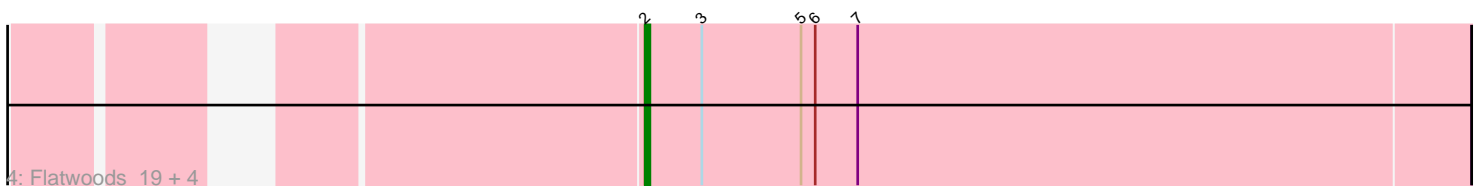
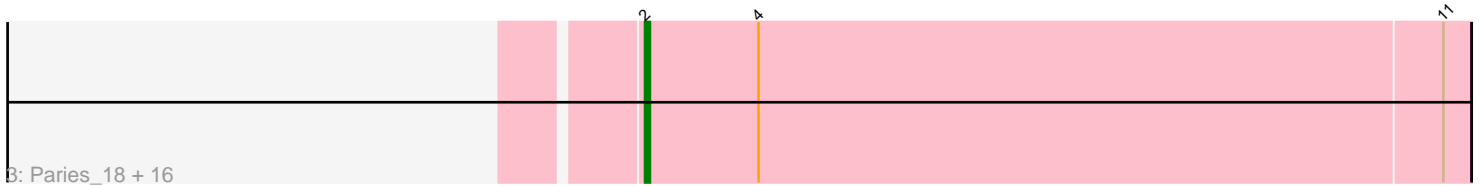
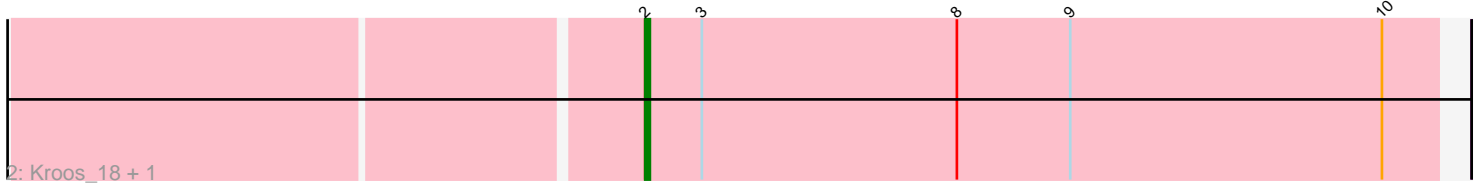
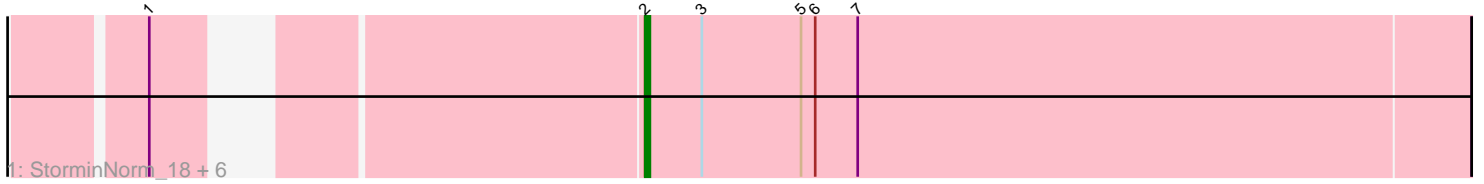


Pham 223290



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 223290 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223290 has 36 members, 8 are drafts.

Phages represented in each track:

- Track 1 : StorminNorm_18, Tangerine_18, Saronaya_18, Gaea_18, Ashertheman_19, Gustavo_18, Baumdotcom_18
- Track 2 : Kroos_18, Ribeye_19
- Track 3 : Paries_18, Sitar_19, Kamashten_19, McKinley_19, Thing3_19, Keitabear_19, Lennon_19, Vivi2_17, Nordenberg_12, Love_19, Ailee_18, Tangent_15, Sedona_19, Charming_15, FuegoCuervo_21, BobBob_15, Brandonk123_20
- Track 4 : Flatwoods_19, LilHam_16, Bizzy_19, Tycho_18, SchottB_17
- Track 5 : YorkOnyx_18
- Track 6 : Kwobi_19
- Track 7 : RiverRaider_19
- Track 8 : MoontowerMania_17, Galadriel_19

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ailee_18, Ashertheman_19, Baumdotcom_18, Bizzy_19, BobBob_15, Brandonk123_20, Charming_15, Flatwoods_19, FuegoCuervo_21, Gaea_18, Galadriel_19, Gustavo_18, Kamashten_19, Keitabear_19, Kroos_18, Lennon_19, LilHam_16, Love_19, McKinley_19, MoontowerMania_17, Nordenberg_12, Paries_18, Ribeye_19, RiverRaider_19, Saronaya_18, SchottB_17, Sedona_19, Sitar_19, StorminNorm_18, Tangent_15, Tangerine_18, Thing3_19, Tycho_18, Vivi2_17, YorkOnyx_18,

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

- Kwobi_19,

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

-

Summary by start number:

Start 2:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 28 of 28
- Called 97.2% of time when present
- Phage (with cluster) where this start called: Ailee_18 (DE1), Ashertheman_19 (DE1), Baumdotcom_18 (DE1), Bizzy_19 (DE1), BobBob_15 (DE1), Brandonk123_20 (DE1), Charming_15 (DE1), Flatwoods_19 (DE1), FuegoCuervo_21 (DE1), Gaea_18 (DE1), Galadriel_19 (DE1), Gustavo_18 (DE1), Kamashten_19 (DE1), Keitabear_19 (DE1), Kroos_18 (DE1), Lennon_19 (DE1), LilHam_16 (DE1), Love_19 (DE1), McKinley_19 (DE1), MoontowerMania_17 (DE1), Nordenberg_12 (DE1), Paries_18 (DE1), Ribeye_19 (DE1), RiverRaider_19 (DE1), Saronaya_18 (DE1), SchottB_17 (DE1), Sedona_19 (DE1), Sitar_19 (DE1), StorminNorm_18 (DE1), Tangent_15 (DE1), Tangerine_18 (DE1), Thing3_19 (DE1), Tycho_18 (DE1), Vivi2_17 (DE1), YorkOnyx_18 (DE1),

Start 3:

- Found in 16 of 36 (44.4%) of genes in pham
- No Manual Annotations of this start.
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Kwobi_19 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 2 was manually annotated 28 times for cluster DE1.

Gene Information:

Gene: Ailee_18 Start: 14837, Stop: 15010, Start Num: 2

Candidate Starts for Ailee_18:

(Start: 2 @14837 has 28 MA's), (4, 14861), (11, 15005),

Gene: Ashertheman_19 Start: 14435, Stop: 14608, Start Num: 2

Candidate Starts for Ashertheman_19:

(1, 14348), (Start: 2 @14435 has 28 MA's), (3, 14447), (5, 14468), (6, 14471), (7, 14480),

Gene: Baumdotcom_18 Start: 14051, Stop: 14224, Start Num: 2

Candidate Starts for Baumdotcom_18:

(1, 13964), (Start: 2 @14051 has 28 MA's), (3, 14063), (5, 14084), (6, 14087), (7, 14096),

Gene: Bizzy_19 Start: 14330, Stop: 14503, Start Num: 2

Candidate Starts for Bizzy_19:

(Start: 2 @14330 has 28 MA's), (3, 14342), (5, 14363), (6, 14366), (7, 14375),

Gene: BobBob_15 Start: 13282, Stop: 13455, Start Num: 2

Candidate Starts for BobBob_15:

(Start: 2 @13282 has 28 MA's), (4, 13306), (11, 13450),

Gene: Brandonk123_20 Start: 14411, Stop: 14584, Start Num: 2
Candidate Starts for Brandonk123_20:
(Start: 2 @14411 has 28 MA's), (4, 14435), (11, 14579),

Gene: Charming_15 Start: 13284, Stop: 13457, Start Num: 2
Candidate Starts for Charming_15:
(Start: 2 @13284 has 28 MA's), (4, 13308), (11, 13452),

Gene: Flatwoods_19 Start: 14337, Stop: 14510, Start Num: 2
Candidate Starts for Flatwoods_19:
(Start: 2 @14337 has 28 MA's), (3, 14349), (5, 14370), (6, 14373), (7, 14382),

Gene: FuegoCuervo_21 Start: 13899, Stop: 14072, Start Num: 2
Candidate Starts for FuegoCuervo_21:
(Start: 2 @13899 has 28 MA's), (4, 13923), (11, 14067),

Gene: Gaea_18 Start: 14031, Stop: 14204, Start Num: 2
Candidate Starts for Gaea_18:
(1, 13944), (Start: 2 @14031 has 28 MA's), (3, 14043), (5, 14064), (6, 14067), (7, 14076),

Gene: Galadriel_19 Start: 14032, Stop: 14205, Start Num: 2
Candidate Starts for Galadriel_19:
(Start: 2 @14032 has 28 MA's), (4, 14056), (11, 14200),

Gene: Gustavo_18 Start: 14142, Stop: 14315, Start Num: 2
Candidate Starts for Gustavo_18:
(1, 14055), (Start: 2 @14142 has 28 MA's), (3, 14154), (5, 14175), (6, 14178), (7, 14187),

Gene: Kamashten_19 Start: 15264, Stop: 15437, Start Num: 2
Candidate Starts for Kamashten_19:
(Start: 2 @15264 has 28 MA's), (4, 15288), (11, 15432),

Gene: Keitabear_19 Start: 16376, Stop: 16549, Start Num: 2
Candidate Starts for Keitabear_19:
(Start: 2 @16376 has 28 MA's), (4, 16400), (11, 16544),

Gene: Kroos_18 Start: 14451, Stop: 14618, Start Num: 2
Candidate Starts for Kroos_18:
(Start: 2 @14451 has 28 MA's), (3, 14463), (8, 14517), (9, 14541), (10, 14607),

Gene: Kwobi_19 Start: 14439, Stop: 14594, Start Num: 3
Candidate Starts for Kwobi_19:
(Start: 2 @14427 has 28 MA's), (3, 14439), (5, 14460), (6, 14463), (7, 14472), (10, 14583),

Gene: Lennon_19 Start: 15480, Stop: 15653, Start Num: 2
Candidate Starts for Lennon_19:
(Start: 2 @15480 has 28 MA's), (4, 15504), (11, 15648),

Gene: LilHam_16 Start: 13449, Stop: 13622, Start Num: 2
Candidate Starts for LilHam_16:
(Start: 2 @13449 has 28 MA's), (3, 13461), (5, 13482), (6, 13485), (7, 13494),

Gene: Love_19 Start: 14343, Stop: 14516, Start Num: 2

Candidate Starts for Love_19:

(Start: 2 @14343 has 28 MA's), (4, 14367), (11, 14511),

Gene: McKinley_19 Start: 14802, Stop: 14975, Start Num: 2

Candidate Starts for McKinley_19:

(Start: 2 @14802 has 28 MA's), (4, 14826), (11, 14970),

Gene: MoontowerMania_17 Start: 13786, Stop: 13959, Start Num: 2

Candidate Starts for MoontowerMania_17:

(Start: 2 @13786 has 28 MA's), (4, 13810), (11, 13954),

Gene: Nordenberg_12 Start: 12663, Stop: 12836, Start Num: 2

Candidate Starts for Nordenberg_12:

(Start: 2 @12663 has 28 MA's), (4, 12687), (11, 12831),

Gene: Paries_18 Start: 14031, Stop: 14204, Start Num: 2

Candidate Starts for Paries_18:

(Start: 2 @14031 has 28 MA's), (4, 14055), (11, 14199),

Gene: Ribeye_19 Start: 14905, Stop: 15072, Start Num: 2

Candidate Starts for Ribeye_19:

(Start: 2 @14905 has 28 MA's), (3, 14917), (8, 14971), (9, 14995), (10, 15061),

Gene: RiverRaider_19 Start: 13773, Stop: 13931, Start Num: 2

Candidate Starts for RiverRaider_19:

(Start: 2 @13773 has 28 MA's), (5, 13806), (8, 13839),

Gene: Saronaya_18 Start: 14142, Stop: 14315, Start Num: 2

Candidate Starts for Saronaya_18:

(1, 14055), (Start: 2 @14142 has 28 MA's), (3, 14154), (5, 14175), (6, 14178), (7, 14187),

Gene: SchottB_17 Start: 15131, Stop: 15304, Start Num: 2

Candidate Starts for SchottB_17:

(Start: 2 @15131 has 28 MA's), (3, 15143), (5, 15164), (6, 15167), (7, 15176),

Gene: Sedona_19 Start: 16109, Stop: 16282, Start Num: 2

Candidate Starts for Sedona_19:

(Start: 2 @16109 has 28 MA's), (4, 16133), (11, 16277),

Gene: Sitar_19 Start: 15480, Stop: 15653, Start Num: 2

Candidate Starts for Sitar_19:

(Start: 2 @15480 has 28 MA's), (4, 15504), (11, 15648),

Gene: StorminNorm_18 Start: 14022, Stop: 14195, Start Num: 2

Candidate Starts for StorminNorm_18:

(1, 13935), (Start: 2 @14022 has 28 MA's), (3, 14034), (5, 14055), (6, 14058), (7, 14067),

Gene: Tangent_15 Start: 13284, Stop: 13457, Start Num: 2

Candidate Starts for Tangent_15:

(Start: 2 @13284 has 28 MA's), (4, 13308), (11, 13452),

Gene: Tangerine_18 Start: 14028, Stop: 14201, Start Num: 2

Candidate Starts for Tangerine_18:

(1, 13941), (Start: 2 @14028 has 28 MA's), (3, 14040), (5, 14061), (6, 14064), (7, 14073),

Gene: Thing3_19 Start: 15264, Stop: 15437, Start Num: 2

Candidate Starts for Thing3_19:

(Start: 2 @15264 has 28 MA's), (4, 15288), (11, 15432),

Gene: Tycho_18 Start: 14145, Stop: 14318, Start Num: 2

Candidate Starts for Tycho_18:

(Start: 2 @14145 has 28 MA's), (3, 14157), (5, 14178), (6, 14181), (7, 14190),

Gene: Vivi2_17 Start: 14455, Stop: 14628, Start Num: 2

Candidate Starts for Vivi2_17:

(Start: 2 @14455 has 28 MA's), (4, 14479), (11, 14623),

Gene: YorkOnyx_18 Start: 13977, Stop: 14150, Start Num: 2

Candidate Starts for YorkOnyx_18:

(Start: 2 @13977 has 28 MA's), (3, 13989), (5, 14010), (6, 14013), (7, 14022),