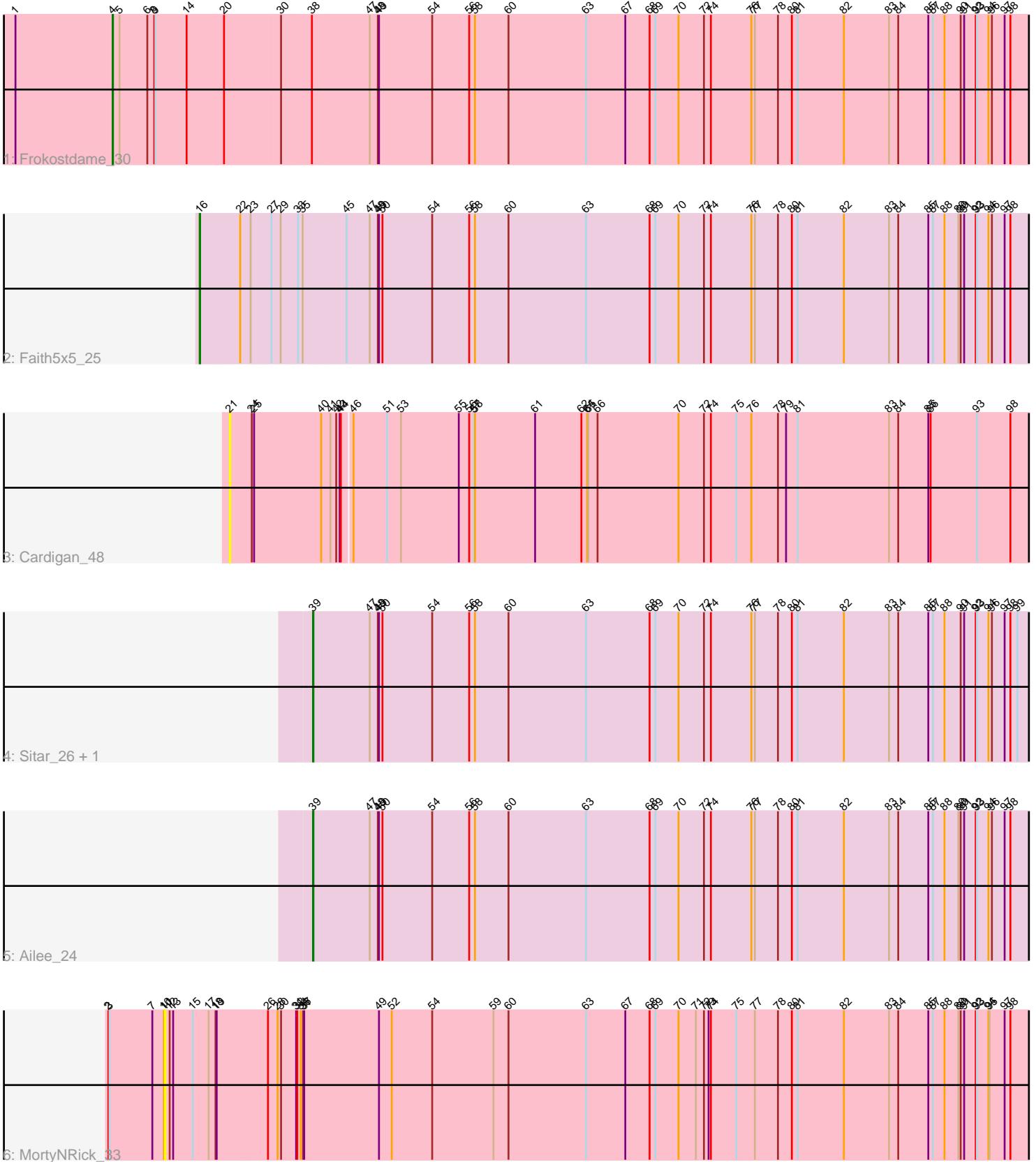


Pham 8696



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 8696 Report

This analysis was run 04/05/24 on database version 557.

Pham number 8696 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Frokostdame_30
- Track 2 : Faith5x5_25
- Track 3 : Cardigan_48
- Track 4 : Sitar_26, Lennon_26
- Track 5 : Ailee_24
- Track 6 : MortyNRick_33

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

The start number called the most often in the published annotations is 39, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ailee_24, Lennon_26, Sitar_26,

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

-

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

- Cardigan_48, Faith5x5_25, Frokostdame_30, MortyNRick_33,

Summary by start number:

Start 4:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frokostdame_30 (CV),

Start 11:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MortyNRick_33 (DN),

Start 16:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faith5x5_25 (CZ6),

Start 21:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_48 (DD),

Start 39:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ailee_24 (DE1), Lennon_26 (DE1), Sitar_26 (DE1),

Summary by clusters:

There are 5 clusters represented in this pham: DN, DE1, DD, CZ6, CV,

Info for manual annotations of cluster CV:

- Start number 4 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ6:

- Start number 16 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DE1:

- Start number 39 was manually annotated 3 times for cluster DE1.

Gene Information:

Gene: Ailee_24 Start: 19557, Stop: 21446, Start Num: 39

Candidate Starts for Ailee_24:

(Start: 39 @19557 has 3 MA's), (47, 19701), (48, 19722), (49, 19725), (50, 19734), (54, 19863), (56, 19959), (58, 19974), (60, 20061), (63, 20262), (68, 20427), (69, 20442), (70, 20502), (72, 20568), (74, 20586), (76, 20691), (77, 20700), (78, 20760), (80, 20796), (81, 20811), (82, 20931), (83, 21048), (84, 21072), (85, 21150), (87, 21162), (88, 21192), (89, 21228), (90, 21234), (91, 21243), (92, 21273), (93, 21276), (94, 21306), (96, 21315), (97, 21348), (98, 21363),

Gene: Cardigan_48 Start: 32500, Stop: 34596, Start Num: 21

Candidate Starts for Cardigan_48:

(21, 32500), (24, 32557), (25, 32563), (40, 32734), (41, 32758), (42, 32773), (43, 32782), (44, 32785), (46, 32809), (51, 32896), (53, 32932), (55, 33082), (56, 33109), (57, 33121), (58, 33124), (61, 33280), (62, 33400), (64, 33415), (65, 33418), (66, 33442), (70, 33652), (72, 33718), (74, 33736), (75, 33802), (76, 33841), (78, 33910), (79, 33931), (81, 33961), (83, 34198), (84, 34222), (85, 34300), (86, 34306),

(93, 34426), (98, 34513),

Gene: Faith5x5_25 Start: 20945, Stop: 23113, Start Num: 16

Candidate Starts for Faith5x5_25:

(Start: 16 @20945 has 1 MA's), (22, 21047), (23, 21074), (27, 21125), (29, 21149), (33, 21191), (35, 21203), (45, 21311), (47, 21368), (48, 21389), (49, 21392), (50, 21401), (54, 21530), (56, 21626), (58, 21641), (60, 21728), (63, 21929), (68, 22094), (69, 22109), (70, 22169), (72, 22235), (74, 22253), (76, 22358), (77, 22367), (78, 22427), (80, 22463), (81, 22478), (82, 22598), (83, 22715), (84, 22739), (85, 22817), (87, 22829), (88, 22859), (89, 22895), (90, 22901), (91, 22910), (92, 22940), (93, 22943), (94, 22973), (96, 22982), (97, 23015), (98, 23030),

Gene: Frokostdame_30 Start: 25191, Stop: 27590, Start Num: 4

Candidate Starts for Frokostdame_30:

(1, 24939), (Start: 4 @25191 has 1 MA's), (5, 25209), (6, 25281), (8, 25299), (9, 25302), (14, 25383), (20, 25479), (30, 25623), (38, 25698), (47, 25845), (48, 25866), (49, 25869), (54, 26007), (56, 26103), (58, 26118), (60, 26205), (63, 26406), (67, 26508), (68, 26571), (69, 26586), (70, 26646), (72, 26712), (74, 26730), (76, 26835), (77, 26844), (78, 26904), (80, 26940), (81, 26955), (82, 27075), (83, 27192), (84, 27216), (85, 27294), (87, 27306), (88, 27336), (90, 27378), (91, 27387), (92, 27417), (93, 27420), (94, 27450), (96, 27459), (97, 27492), (98, 27507),

Gene: Lennon_26 Start: 20616, Stop: 22505, Start Num: 39

Candidate Starts for Lennon_26:

(Start: 39 @20616 has 3 MA's), (47, 20760), (48, 20781), (49, 20784), (50, 20793), (54, 20922), (56, 21018), (58, 21033), (60, 21120), (63, 21321), (68, 21486), (69, 21501), (70, 21561), (72, 21627), (74, 21645), (76, 21750), (77, 21759), (78, 21819), (80, 21855), (81, 21870), (82, 21990), (83, 22107), (84, 22131), (85, 22209), (87, 22221), (88, 22251), (90, 22293), (91, 22302), (92, 22332), (93, 22335), (94, 22365), (96, 22374), (97, 22407), (98, 22422), (99, 22440),

Gene: MortyNRick_33 Start: 26017, Stop: 28287, Start Num: 11

Candidate Starts for MortyNRick_33:

(2, 25870), (3, 25873), (7, 25984), (10, 26014), (11, 26017), (12, 26029), (13, 26038), (15, 26089), (17, 26128), (18, 26146), (19, 26149), (26, 26281), (28, 26305), (30, 26314), (31, 26353), (32, 26356), (34, 26365), (36, 26371), (37, 26374), (49, 26566), (52, 26599), (54, 26704), (59, 26863), (60, 26902), (63, 27103), (67, 27205), (68, 27268), (69, 27283), (70, 27343), (71, 27388), (72, 27409), (73, 27421), (74, 27427), (75, 27493), (77, 27541), (78, 27601), (80, 27637), (81, 27652), (82, 27772), (83, 27889), (84, 27913), (85, 27991), (87, 28003), (88, 28033), (89, 28069), (90, 28075), (91, 28084), (92, 28114), (93, 28117), (94, 28147), (95, 28150), (97, 28189), (98, 28204),

Gene: Sitar_26 Start: 20616, Stop: 22505, Start Num: 39

Candidate Starts for Sitar_26:

(Start: 39 @20616 has 3 MA's), (47, 20760), (48, 20781), (49, 20784), (50, 20793), (54, 20922), (56, 21018), (58, 21033), (60, 21120), (63, 21321), (68, 21486), (69, 21501), (70, 21561), (72, 21627), (74, 21645), (76, 21750), (77, 21759), (78, 21819), (80, 21855), (81, 21870), (82, 21990), (83, 22107), (84, 22131), (85, 22209), (87, 22221), (88, 22251), (90, 22293), (91, 22302), (92, 22332), (93, 22335), (94, 22365), (96, 22374), (97, 22407), (98, 22422), (99, 22440),