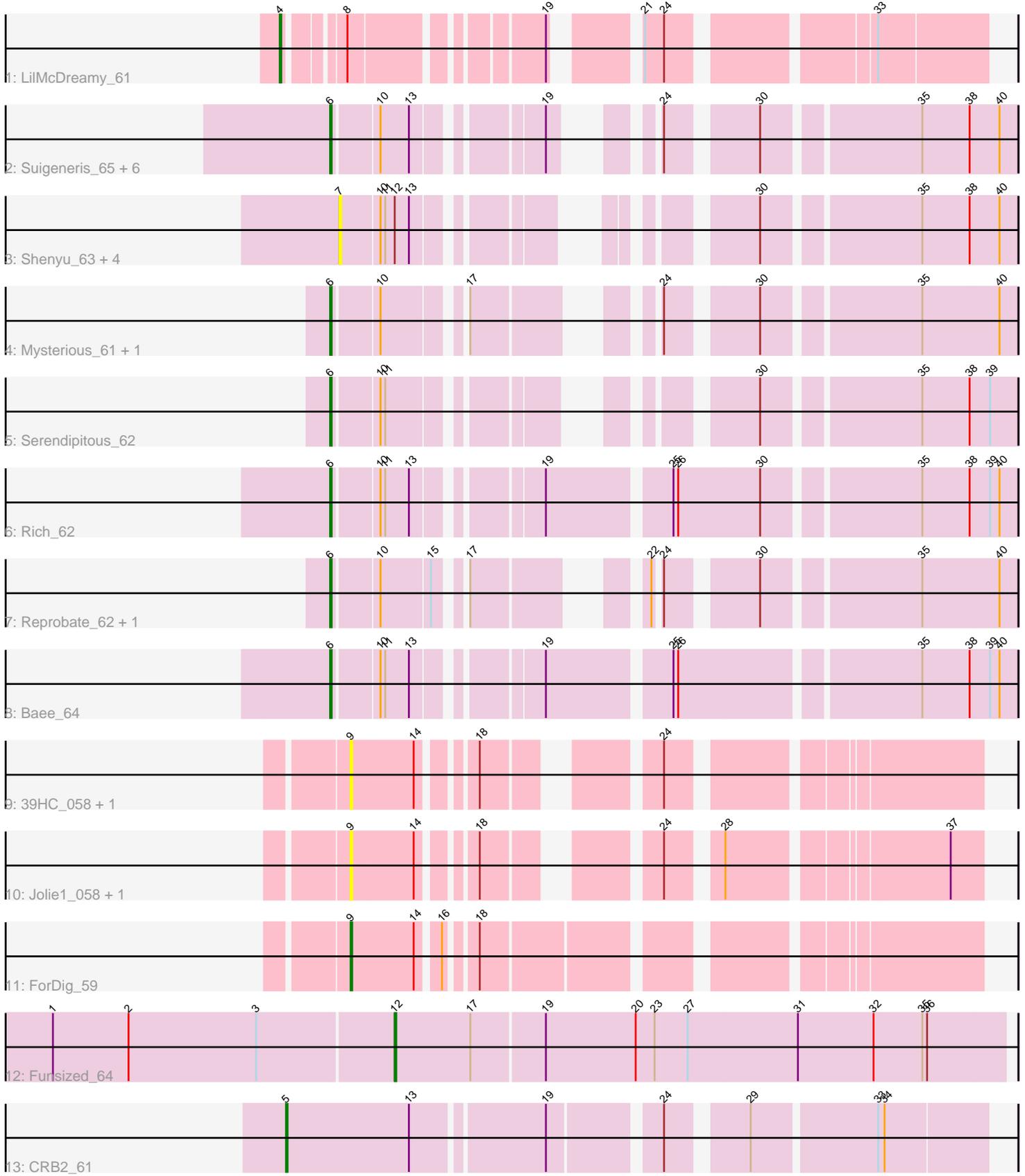


Pham 284090



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 284090 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284090 has 27 members, 13 are drafts.

Phages represented in each track:

- Track 1 : LilMcDreamy_61
- Track 2 : Suigeneris_65, SirJeffery_63, Acadian_64, Rita130_63, Reccee_64, EastView9101_63, Donny_65
- Track 3 : Shenyu_63, KarasumaRum_63, Nangang_63, DigitDog_64, StinkyVeggy_63
- Track 4 : Mysterious_61, Nehemiah_62
- Track 5 : Serendipitous_62
- Track 6 : Rich_62
- Track 7 : Reprobate_62, Phelemich_61
- Track 8 : Bae_64
- Track 9 : 39HC_058, 40BC_058
- Track 10 : Jolie1_058, Hosp_056
- Track 11 : ForDig_59
- Track 12 : Funsized_64
- Track 13 : CRB2_61

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_64, Bae_64, Donny_65, EastView9101_63, Mysterious_61, Nehemiah_62, Phelemich_61, Reccee_64, Reprobate_62, Rich_62, Rita130_63, Serendipitous_62, SirJeffery_63, Suigeneris_65,

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

-

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

- 39HC_058, 40BC_058, CRB2_61, DigitDog_64, ForDig_59, Funsized_64, Hosp_056, Jolie1_058, KarasumaRum_63, LilMcDreamy_61, Nangang_63, Shenyu_63, StinkyVeggy_63,

Summary by start number:

Start 4:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilMcDreamy_61 (B12),

Start 5:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_61 (B9),

Start 6:

- Found in 14 of 27 (51.9%) of genes in pham
- Manual Annotations of this start: 10 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_64 (B5), Bae_64 (B5), Donny_65 (B5), EastView9101_63 (B5), Mysterious_61 (B5), Nehemiah_62 (B5), Phelemich_61 (B5), Reccee_64 (B5), Reprobate_62 (B5), Rich_62 (B5), Rita130_63 (B5), Serendipitous_62 (B5), SirJeffery_63 (B5), Suigeneris_65 (B5),

Start 7:

- Found in 5 of 27 (18.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DigitDog_64 (B5), KarasumaRum_63 (B5), Nangang_63 (B5), Shenyu_63 (B5), StinkyVeggy_63 (B5),

Start 9:

- Found in 5 of 27 (18.5%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_058 (B6), 40BC_058 (B6), ForDig_59 (B6), Hosp_056 (B6), Jolie1_058 (B6),

Start 12:

- Found in 6 of 27 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Funsized_64 (B9),

Summary by clusters:

There are 4 clusters represented in this pham: B5, B6, B12, B9,

Info for manual annotations of cluster B12:

- Start number 4 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B5:

- Start number 6 was manually annotated 10 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 9 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 5 was manually annotated 1 time for cluster B9.
- Start number 12 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: 39HC_058 Start: 54678, Stop: 54355, Start Num: 9

Candidate Starts for 39HC_058:

(Start: 9 @54678 has 1 MA's), (14, 54639), (18, 54612), (24, 54528),

Gene: 40BC_058 Start: 54678, Stop: 54355, Start Num: 9

Candidate Starts for 40BC_058:

(Start: 9 @54678 has 1 MA's), (14, 54639), (18, 54612), (24, 54528),

Gene: Acadian_64 Start: 56676, Stop: 56335, Start Num: 6

Candidate Starts for Acadian_64:

(Start: 6 @56676 has 10 MA's), (10, 56649), (13, 56631), (19, 56565), (24, 56532), (30, 56484), (35, 56394), (38, 56364), (40, 56346),

Gene: Bae_64 Start: 57648, Stop: 57262, Start Num: 6

Candidate Starts for Bae_64:

(Start: 6 @57648 has 10 MA's), (10, 57621), (11, 57618), (13, 57603), (19, 57537), (25, 57465), (26, 57462), (35, 57321), (38, 57291), (39, 57279), (40, 57273),

Gene: CRB2_61 Start: 57387, Stop: 56986, Start Num: 5

Candidate Starts for CRB2_61:

(Start: 5 @57387 has 1 MA's), (13, 57309), (19, 57231), (24, 57168), (29, 57126), (33, 57051), (34, 57048),

Gene: DigitDog_64 Start: 56730, Stop: 56395, Start Num: 7

Candidate Starts for DigitDog_64:

(7, 56730), (10, 56706), (11, 56703), (Start: 12 @56697 has 1 MA's), (13, 56688), (30, 56544), (35, 56454), (38, 56424), (40, 56406),

Gene: Donny_65 Start: 56722, Stop: 56381, Start Num: 6

Candidate Starts for Donny_65:

(Start: 6 @56722 has 10 MA's), (10, 56695), (13, 56677), (19, 56611), (24, 56578), (30, 56530), (35, 56440), (38, 56410), (40, 56392),

Gene: EastView9101_63 Start: 56420, Stop: 56079, Start Num: 6

Candidate Starts for EastView9101_63:

(Start: 6 @56420 has 10 MA's), (10, 56393), (13, 56375), (19, 56309), (24, 56276), (30, 56228), (35, 56138), (38, 56108), (40, 56090),

Gene: ForDig_59 Start: 55009, Stop: 54668, Start Num: 9

Candidate Starts for ForDig_59:

(Start: 9 @55009 has 1 MA's), (14, 54970), (16, 54958), (18, 54943),

Gene: Funsized_64 Start: 58606, Stop: 58226, Start Num: 12

Candidate Starts for Funsized_64:

(1, 58819), (2, 58771), (3, 58690), (Start: 12 @58606 has 1 MA's), (17, 58558), (19, 58513), (20, 58456), (23, 58444), (27, 58423), (31, 58354), (32, 58306), (35, 58276), (36, 58273),

Gene: Hosp_056 Start: 52913, Stop: 52590, Start Num: 9

Candidate Starts for Hosp_056:

(Start: 9 @52913 has 1 MA's), (14, 52874), (18, 52847), (24, 52763), (28, 52736), (37, 52610),

Gene: Jolie1_058 Start: 54813, Stop: 54490, Start Num: 9

Candidate Starts for Jolie1_058:

(Start: 9 @54813 has 1 MA's), (14, 54774), (18, 54747), (24, 54663), (28, 54636), (37, 54510),

Gene: KarasumaRum_63 Start: 56576, Stop: 56241, Start Num: 7

Candidate Starts for KarasumaRum_63:

(7, 56576), (10, 56552), (11, 56549), (Start: 12 @56543 has 1 MA's), (13, 56534), (30, 56390), (35, 56300), (38, 56270), (40, 56252),

Gene: LilMcDreamy_61 Start: 56322, Stop: 55963, Start Num: 4

Candidate Starts for LilMcDreamy_61:

(Start: 4 @56322 has 1 MA's), (8, 56292), (19, 56190), (21, 56151), (24, 56139), (33, 56028),

Gene: Mysterious_61 Start: 56569, Stop: 56225, Start Num: 6

Candidate Starts for Mysterious_61:

(Start: 6 @56569 has 10 MA's), (10, 56542), (17, 56500), (24, 56422), (30, 56374), (35, 56284), (40, 56236),

Gene: Nangang_63 Start: 56756, Stop: 56421, Start Num: 7

Candidate Starts for Nangang_63:

(7, 56756), (10, 56732), (11, 56729), (Start: 12 @56723 has 1 MA's), (13, 56714), (30, 56570), (35, 56480), (38, 56450), (40, 56432),

Gene: Nehemiah_62 Start: 56572, Stop: 56228, Start Num: 6

Candidate Starts for Nehemiah_62:

(Start: 6 @56572 has 10 MA's), (10, 56545), (17, 56503), (24, 56425), (30, 56377), (35, 56287), (40, 56239),

Gene: Phelemich_61 Start: 56567, Stop: 56223, Start Num: 6

Candidate Starts for Phelemich_61:

(Start: 6 @56567 has 10 MA's), (10, 56540), (15, 56510), (17, 56498), (22, 56423), (24, 56420), (30, 56372), (35, 56282), (40, 56234),

Gene: Reccee_64 Start: 56805, Stop: 56464, Start Num: 6

Candidate Starts for Reccee_64:

(Start: 6 @56805 has 10 MA's), (10, 56778), (13, 56760), (19, 56694), (24, 56661), (30, 56613), (35, 56523), (38, 56493), (40, 56475),

Gene: Reprobate_62 Start: 56572, Stop: 56228, Start Num: 6

Candidate Starts for Reprobate_62:

(Start: 6 @56572 has 10 MA's), (10, 56545), (15, 56515), (17, 56503), (22, 56428), (24, 56425), (30, 56377), (35, 56287), (40, 56239),

Gene: Rich_62 Start: 57709, Stop: 57323, Start Num: 6

Candidate Starts for Rich_62:

(Start: 6 @57709 has 10 MA's), (10, 57682), (11, 57679), (13, 57664), (19, 57598), (25, 57526), (26, 57523), (30, 57472), (35, 57382), (38, 57352), (39, 57340), (40, 57334),

Gene: Rita130_63 Start: 56618, Stop: 56277, Start Num: 6

Candidate Starts for Rita130_63:

(Start: 6 @56618 has 10 MA's), (10, 56591), (13, 56573), (19, 56507), (24, 56474), (30, 56426), (35, 56336), (38, 56306), (40, 56288),

Gene: Serendipitous_62 Start: 56107, Stop: 55766, Start Num: 6

Candidate Starts for Serendipitous_62:

(Start: 6 @56107 has 10 MA's), (10, 56080), (11, 56077), (30, 55915), (35, 55825), (38, 55795), (39, 55783),

Gene: Shenyu_63 Start: 56833, Stop: 56498, Start Num: 7

Candidate Starts for Shenyu_63:

(7, 56833), (10, 56809), (11, 56806), (Start: 12 @56800 has 1 MA's), (13, 56791), (30, 56647), (35, 56557), (38, 56527), (40, 56509),

Gene: SirJeffery_63 Start: 56753, Stop: 56412, Start Num: 6

Candidate Starts for SirJeffery_63:

(Start: 6 @56753 has 10 MA's), (10, 56726), (13, 56708), (19, 56642), (24, 56609), (30, 56561), (35, 56471), (38, 56441), (40, 56423),

Gene: StinkyVeggy_63 Start: 56576, Stop: 56241, Start Num: 7

Candidate Starts for StinkyVeggy_63:

(7, 56576), (10, 56552), (11, 56549), (Start: 12 @56543 has 1 MA's), (13, 56534), (30, 56390), (35, 56300), (38, 56270), (40, 56252),

Gene: Suigeneris_65 Start: 56871, Stop: 56530, Start Num: 6

Candidate Starts for Suigeneris_65:

(Start: 6 @56871 has 10 MA's), (10, 56844), (13, 56826), (19, 56760), (24, 56727), (30, 56679), (35, 56589), (38, 56559), (40, 56541),