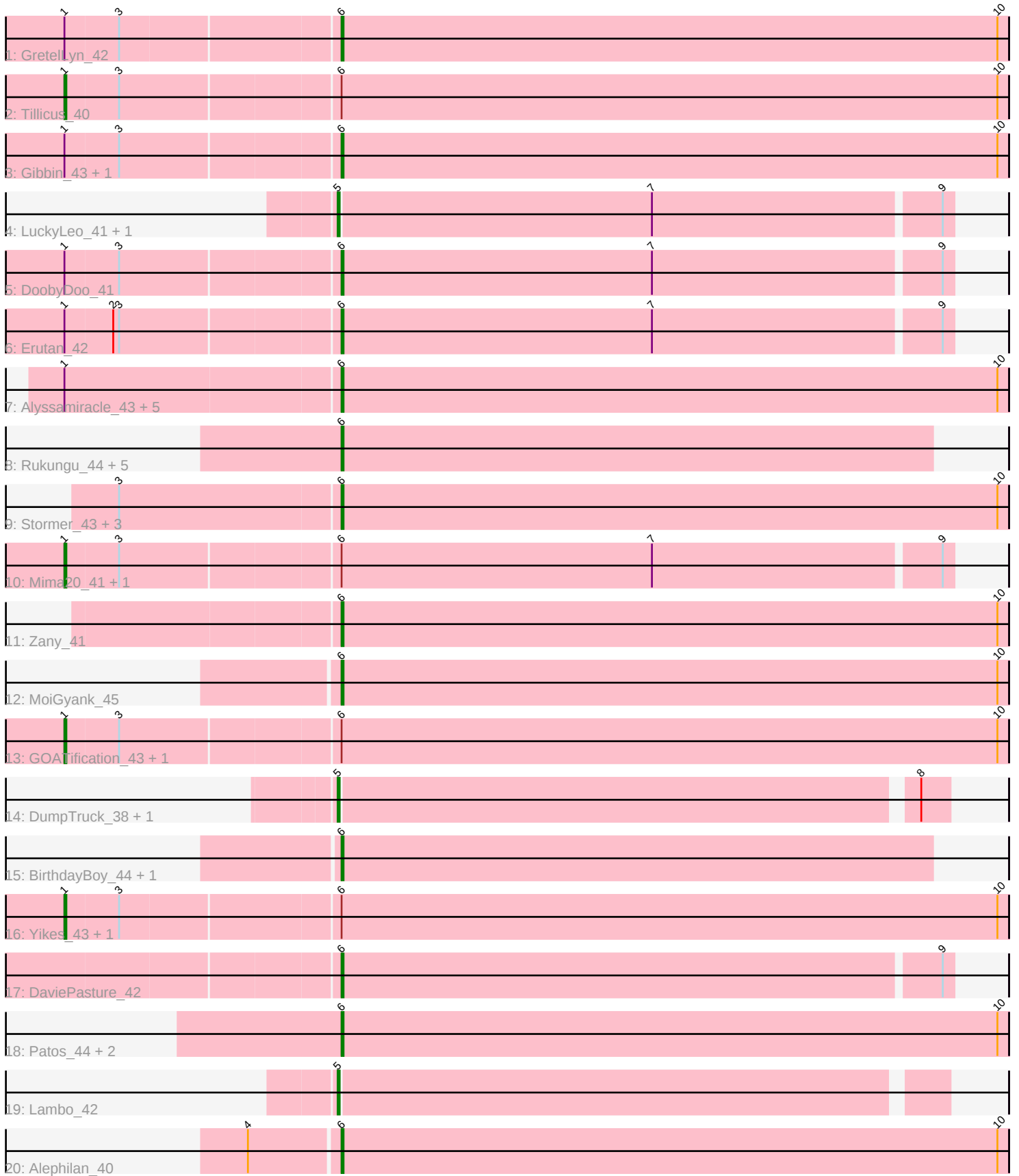


Pham 276324



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 276324 Report

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

Pham number 276324 has 42 members, 5 are drafts.

Phages represented in each track:

- Track 1 : GretelLyn_42
- Track 2 : Tillicus_40
- Track 3 : Gibbin_43, ParvusTarda_42
- Track 4 : LuckyLeo_41, Apeppi_39
- Track 5 : DoobyDoo_41
- Track 6 : Erutan_42
- Track 7 : Alyssamiracle_43, Avian_40, Genamy16_43, Rumi_42, RazorC_41, Astralis_40
- Track 8 : Rukungu_44, Wojtek_41, Lila22_42, Sampudon_42, Rota_42, Jalebi_41
- Track 9 : Stormer_43, Jamemuya19_40, Charminar_41, NovaSharks_42
- Track 10 : Mima20_41, OtterstedtS21_42
- Track 11 : Zany_41
- Track 12 : MoiGyank_45
- Track 13 : GOATification_43, Fulcrum_43
- Track 14 : DumpTruck_38, Xenia2_39
- Track 15 : BirthdayBoy_44, Ranch_43
- Track 16 : Yikes_43, Sadboi_43
- Track 17 : DaviePasture_42
- Track 18 : Patos_44, NorManre_44, LavAbarElk_41
- Track 19 : Lambo_42
- Track 20 : Alephilan_40

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 25 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alephilan_40, Alyssamiracle_43, Astralis_40, Avian_40, BirthdayBoy_44, Charminar_41, DaviePasture_42, DoobyDoo_41, Erutan_42, Genamy16_43, Gibbin_43, GretelLyn_42, Jalebi_41, Jamemuya19_40, LavAbarElk_41, Lila22_42, MoiGyank_45, NorManre_44, NovaSharks_42, ParvusTarda_42, Patos_44, Ranch_43, RazorC_41, Rota_42, Rukungu_44, Rumi_42, Sampudon_42, Stormer_43, Wojtek_41, Zany_41,

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

- Fulcrum_43, GOATification_43, Mima20_41, OtterstedtS21_42, Sadboi_43, Tillicus_40, Yikes_43,

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

- Apeppi_39, DumpTruck_38, Lambo_42, LuckyLeo_41, Xenia2_39,

Summary by start number:

Start 1:

- Found in 18 of 42 (42.9%) of genes in pham
- Manual Annotations of this start: 7 of 37
- Called 38.9% of time when present
- Phage (with cluster) where this start called: Fulcrum_43 (DV), GOATification_43 (DV), Mima20_41 (DV), OtterstedtS21_42 (DV), Sadboi_43 (DV), Tillicus_40 (DV), Yikes_43 (DV),

Start 5:

- Found in 5 of 42 (11.9%) of genes in pham
- Manual Annotations of this start: 5 of 37
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apeppi_39 (DV), DumpTruck_38 (DV), Lambo_42 (DV), LuckyLeo_41 (DV), Xenia2_39 (DV),

Start 6:

- Found in 37 of 42 (88.1%) of genes in pham
- Manual Annotations of this start: 25 of 37
- Called 81.1% of time when present
- Phage (with cluster) where this start called: Alephilan_40 (DV), Alyssamiracle_43 (DV), Astralis_40 (DV), Avian_40 (DV), BirthdayBoy_44 (DV), Charminar_41 (DV), DaviePasture_42 (DV), DoobyDoo_41 (DV), Erutan_42 (DV), Genamy16_43 (DV), Gibbin_43 (DV), GretelLyn_42 (DV), Jalebi_41 (DV), Jamemuya19_40 (DV), LavAbarElk_41 (DV), Lila22_42 (DV), MoiGyank_45 (DV), NorManre_44 (DV), NovaSharks_42 (DV), ParvusTarda_42 (DV), Patos_44 (DV), Ranch_43 (DV), RazorC_41 (DV), Rota_42 (DV), Rukungu_44 (DV), Rumi_42 (DV), Sampudon_42 (DV), Stormer_43 (DV), Wojtek_41 (DV), Zany_41 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 7 times for cluster DV.
- Start number 5 was manually annotated 5 times for cluster DV.
- Start number 6 was manually annotated 25 times for cluster DV.

Gene Information:

Gene: Alephilan_40 Start: 33753, Stop: 34094, Start Num: 6

Candidate Starts for Alephilan_40:

(4, 33708), (Start: 6 @33753 has 25 MA's), (10, 34089),

Gene: Alyssamiracle_43 Start: 32747, Stop: 33088, Start Num: 6
Candidate Starts for Alyssamiracle_43:
(Start: 1 @32609 has 7 MA's), (Start: 6 @32747 has 25 MA's), (10, 33083),

Gene: Apeppi_39 Start: 33776, Stop: 34084, Start Num: 5
Candidate Starts for Apeppi_39:
(Start: 5 @33776 has 5 MA's), (7, 33935), (9, 34079),

Gene: Astralis_40 Start: 32325, Stop: 32666, Start Num: 6
Candidate Starts for Astralis_40:
(Start: 1 @32187 has 7 MA's), (Start: 6 @32325 has 25 MA's), (10, 32661),

Gene: Avian_40 Start: 32714, Stop: 33055, Start Num: 6
Candidate Starts for Avian_40:
(Start: 1 @32576 has 7 MA's), (Start: 6 @32714 has 25 MA's), (10, 33050),

Gene: BirthdayBoy_44 Start: 34531, Stop: 34833, Start Num: 6
Candidate Starts for BirthdayBoy_44:
(Start: 6 @34531 has 25 MA's),

Gene: Charminar_41 Start: 32332, Stop: 32673, Start Num: 6
Candidate Starts for Charminar_41:
(3, 32221), (Start: 6 @32332 has 25 MA's), (10, 32668),

Gene: DaviePasture_42 Start: 34186, Stop: 34494, Start Num: 6
Candidate Starts for DaviePasture_42:
(Start: 6 @34186 has 25 MA's), (9, 34489),

Gene: DoobyDoo_41 Start: 33341, Stop: 33649, Start Num: 6
Candidate Starts for DoobyDoo_41:
(Start: 1 @33206 has 7 MA's), (3, 33233), (Start: 6 @33341 has 25 MA's), (7, 33500), (9, 33644),

Gene: DumpTruck_38 Start: 32163, Stop: 32465, Start Num: 5
Candidate Starts for DumpTruck_38:
(Start: 5 @32163 has 5 MA's), (8, 32451),

Gene: Erutan_42 Start: 33846, Stop: 34154, Start Num: 6
Candidate Starts for Erutan_42:
(Start: 1 @33711 has 7 MA's), (2, 33735), (3, 33738), (Start: 6 @33846 has 25 MA's), (7, 34005), (9, 34149),

Gene: Fulcrum_43 Start: 34231, Stop: 34707, Start Num: 1
Candidate Starts for Fulcrum_43:
(Start: 1 @34231 has 7 MA's), (3, 34258), (Start: 6 @34366 has 25 MA's), (10, 34702),

Gene: GOATification_43 Start: 34231, Stop: 34707, Start Num: 1
Candidate Starts for GOATification_43:
(Start: 1 @34231 has 7 MA's), (3, 34258), (Start: 6 @34366 has 25 MA's), (10, 34702),

Gene: Genamy16_43 Start: 32735, Stop: 33076, Start Num: 6
Candidate Starts for Genamy16_43:

(Start: 1 @32597 has 7 MA's), (Start: 6 @32735 has 25 MA's), (10, 33071),

Gene: Gibbin_43 Start: 34469, Stop: 34810, Start Num: 6

Candidate Starts for Gibbin_43:

(Start: 1 @34334 has 7 MA's), (3, 34361), (Start: 6 @34469 has 25 MA's), (10, 34805),

Gene: Gretellyn_42 Start: 34719, Stop: 35060, Start Num: 6

Candidate Starts for Gretellyn_42:

(Start: 1 @34584 has 7 MA's), (3, 34611), (Start: 6 @34719 has 25 MA's), (10, 35055),

Gene: Jalebi_41 Start: 35057, Stop: 35359, Start Num: 6

Candidate Starts for Jalebi_41:

(Start: 6 @35057 has 25 MA's),

Gene: Jamemuya19_40 Start: 32338, Stop: 32679, Start Num: 6

Candidate Starts for Jamemuya19_40:

(3, 32227), (Start: 6 @32338 has 25 MA's), (10, 32674),

Gene: Lambo_42 Start: 34358, Stop: 34660, Start Num: 5

Candidate Starts for Lambo_42:

(Start: 5 @34358 has 5 MA's),

Gene: LavAbarElk_41 Start: 32989, Stop: 33330, Start Num: 6

Candidate Starts for LavAbarElk_41:

(Start: 6 @32989 has 25 MA's), (10, 33325),

Gene: Lila22_42 Start: 34503, Stop: 34805, Start Num: 6

Candidate Starts for Lila22_42:

(Start: 6 @34503 has 25 MA's),

Gene: LuckyLeo_41 Start: 33776, Stop: 34084, Start Num: 5

Candidate Starts for LuckyLeo_41:

(Start: 5 @33776 has 5 MA's), (7, 33935), (9, 34079),

Gene: Mima20_41 Start: 33957, Stop: 34400, Start Num: 1

Candidate Starts for Mima20_41:

(Start: 1 @33957 has 7 MA's), (3, 33984), (Start: 6 @34092 has 25 MA's), (7, 34251), (9, 34395),

Gene: MoiGyank_45 Start: 34910, Stop: 35251, Start Num: 6

Candidate Starts for MoiGyank_45:

(Start: 6 @34910 has 25 MA's), (10, 35246),

Gene: NorManre_44 Start: 34128, Stop: 34469, Start Num: 6

Candidate Starts for NorManre_44:

(Start: 6 @34128 has 25 MA's), (10, 34464),

Gene: NovaSharks_42 Start: 32326, Stop: 32667, Start Num: 6

Candidate Starts for NovaSharks_42:

(3, 32215), (Start: 6 @32326 has 25 MA's), (10, 32662),

Gene: OtterstedtS21_42 Start: 33900, Stop: 34343, Start Num: 1

Candidate Starts for OtterstedtS21_42:

(Start: 1 @33900 has 7 MA's), (3, 33927), (Start: 6 @34035 has 25 MA's), (7, 34194), (9, 34338),

Gene: ParvusTarda_42 Start: 33514, Stop: 33855, Start Num: 6
Candidate Starts for ParvusTarda_42:
(Start: 1 @33379 has 7 MA's), (3, 33406), (Start: 6 @33514 has 25 MA's), (10, 33850),

Gene: Patos_44 Start: 34128, Stop: 34469, Start Num: 6
Candidate Starts for Patos_44:
(Start: 6 @34128 has 25 MA's), (10, 34464),

Gene: Ranch_43 Start: 33012, Stop: 33314, Start Num: 6
Candidate Starts for Ranch_43:
(Start: 6 @33012 has 25 MA's),

Gene: RazorC_41 Start: 32716, Stop: 33057, Start Num: 6
Candidate Starts for RazorC_41:
(Start: 1 @32578 has 7 MA's), (Start: 6 @32716 has 25 MA's), (10, 33052),

Gene: Rota_42 Start: 34413, Stop: 34715, Start Num: 6
Candidate Starts for Rota_42:
(Start: 6 @34413 has 25 MA's),

Gene: Rukungu_44 Start: 34736, Stop: 35038, Start Num: 6
Candidate Starts for Rukungu_44:
(Start: 6 @34736 has 25 MA's),

Gene: Rumi_42 Start: 32260, Stop: 32601, Start Num: 6
Candidate Starts for Rumi_42:
(Start: 1 @32122 has 7 MA's), (Start: 6 @32260 has 25 MA's), (10, 32596),

Gene: Sadboi_43 Start: 34585, Stop: 35061, Start Num: 1
Candidate Starts for Sadboi_43:
(Start: 1 @34585 has 7 MA's), (3, 34612), (Start: 6 @34720 has 25 MA's), (10, 35056),

Gene: Sampudon_42 Start: 35057, Stop: 35359, Start Num: 6
Candidate Starts for Sampudon_42:
(Start: 6 @35057 has 25 MA's),

Gene: Stormer_43 Start: 32264, Stop: 32605, Start Num: 6
Candidate Starts for Stormer_43:
(3, 32153), (Start: 6 @32264 has 25 MA's), (10, 32600),

Gene: Tillicus_40 Start: 33201, Stop: 33677, Start Num: 1
Candidate Starts for Tillicus_40:
(Start: 1 @33201 has 7 MA's), (3, 33228), (Start: 6 @33336 has 25 MA's), (10, 33672),

Gene: Wojtek_41 Start: 33757, Stop: 34059, Start Num: 6
Candidate Starts for Wojtek_41:
(Start: 6 @33757 has 25 MA's),

Gene: Xenia2_39 Start: 32208, Stop: 32510, Start Num: 5
Candidate Starts for Xenia2_39:
(Start: 5 @32208 has 5 MA's), (8, 32496),

Gene: Yikes_43 Start: 34832, Stop: 35308, Start Num: 1

Candidate Starts for Yikes_43:

(Start: 1 @34832 has 7 MA's), (3, 34859), (Start: 6 @34967 has 25 MA's), (10, 35303),

Gene: Zany_41 Start: 34506, Stop: 34847, Start Num: 6

Candidate Starts for Zany_41:

(Start: 6 @34506 has 25 MA's), (10, 34842),