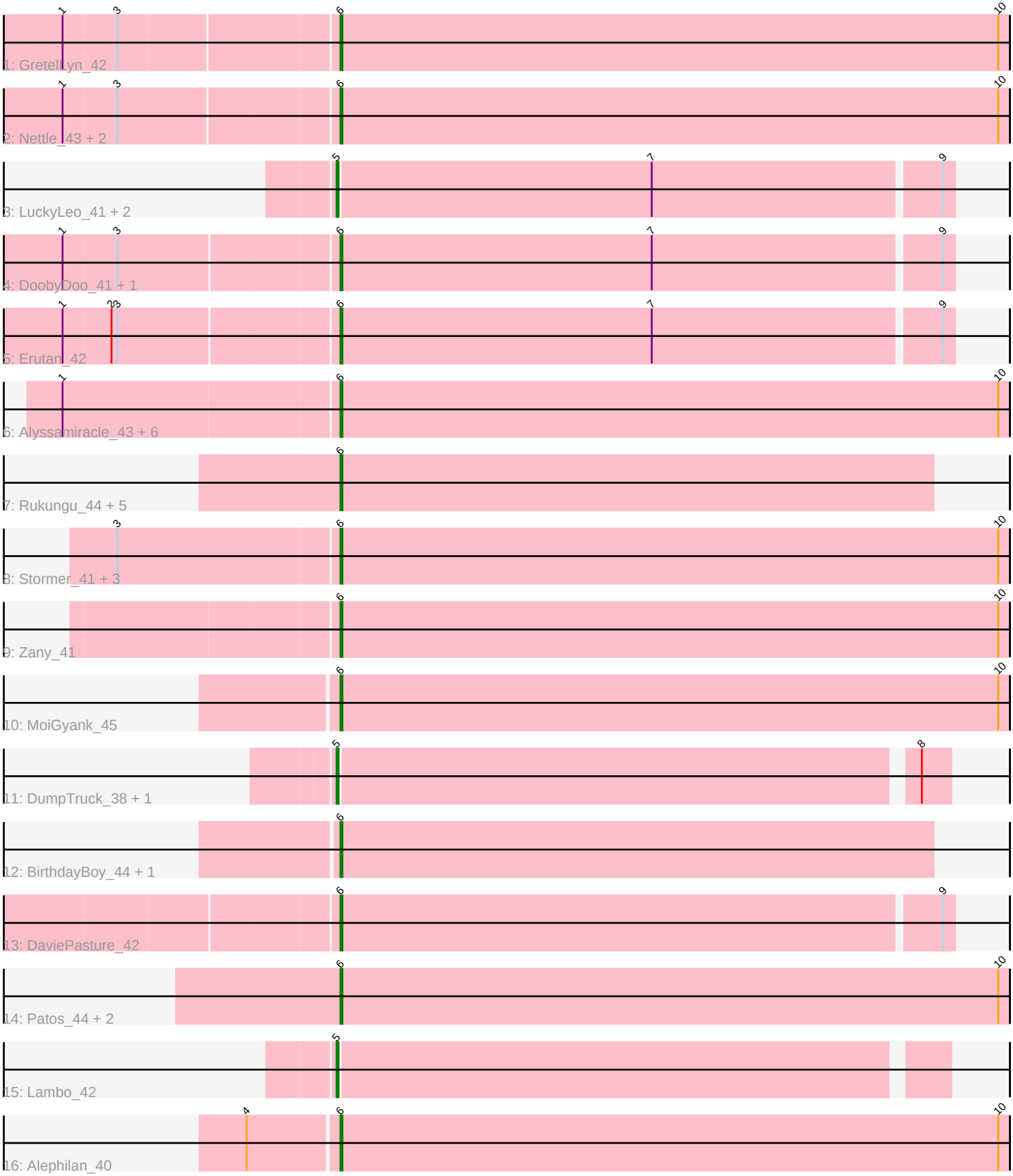
Pham 339797


1
3
6
10
1: GretelLyn_42
1
3
6
10
2: Nettle_43 + 2
5
7
9
3: LuckyLeo_41 + 2
1
3
6
7
9
4: DoobyDoo_41 + 1
1
23
6
7
9
5: Erutan_42
1
6
10
6: Alyssamiracle_43 + 6
6
7: Rukungu_44 + 5
3
6
10
8: Stormer_41 + 3
6
10
9: Zany_41
6
10
10: MoiGyank_45
5
8
11: DumpTruck_38 + 1
6
12: BirthdayBoy_44 + 1
6
9
13: DaviePasture_42
6
10
14: Patos_44 + 2
5
15: Lambo_42
4
6
10
16: Alephilan_40

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 339797 Report

This analysis was run 11/14/26 on database version 672.

Pham number 339797 has 39 members, 6 are drafts.

Phages represented in each track:
• Track 1 : GretelLyn_42
• Track 2 : Nettle_43, Gibbin_43, ParvusTarda_42
• Track 3 : LuckyLeo_41, Aaravos_39, Apeppi_39
• Track 4 : DoobyDoo_41, Pywacket_41
• Track 5 : Erutan_42
• Track 6 : Alyssamiracle_43, Riduram_40, Avian_40, Genamy16_43, Rumi_42, RazorC_41, Astralis_40
• Track 7 : Rukungu_44, Wojtek_41, Lila22_42, Sampudon_42, Rota_42, Jalebi_41
• Track 8 : Stormer_41, Jamemuya19_40, Charminar_40, NovaSharks_42
• Track 9 : Zany_41
• Track 10 : MoiGyank_45
• Track 11 : DumpTruck_38, Xenia2_39
• Track 12 : BirthdayBoy_44, Ranch_43
• Track 13 : DaviePasture_42
• Track 14 : Patos_44, NorManre_44, LavAbarElk_41
• Track 15 : Lambo_42
• Track 16 : 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 28 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alephilan_40, Alyssamiracle_43, Astralis_40, Avian_40, BirthdayBoy_44, Charminar_40, DaviePasture_42, DoobyDoo_41, Erutan_42, Genamy16_43, Gibbin_43, GretelLyn_42, Jalebi_41, Jamemuya19_40, LavAbarElk_41, Lila22_42, MoiGyank_45, Nettle_43, NorManre_44, NovaSharks_42, ParvusTarda_42, Patos_44, Pywacket_41, Ranch_43, RazorC_41, Riduram_40, Rota_42, Rukungu_44, Rumi_42, Sampudon_42, Stormer_41, Wojtek_41, Zany_41,

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

Genes that do not have the "Most Annotated" start:
• Aaravos_39, Apeppi_39, DumpTruck_38, Lambo_42, LuckyLeo_41, Xenia2_39,

Summary by start number:

Start 5:
• Found in 6 of 39 (15.4%) of genes in pham
• Manual Annotations of this start: 5 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aaravos_39 (DV), Apeppi_39 (DV), DumpTruck_38 (DV), Lambo_42 (DV), LuckyLeo_41 (DV), Xenia2_39 (DV),

Start 6:
• Found in 33 of 39 (84.6%) of genes in pham
• Manual Annotations of this start: 28 of 33
• Called 100.0% 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_40 (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), Nettle_43 (DV), NorManre_44 (DV), NovaSharks_42 (DV), ParvusTarda_42 (DV), Patos_44 (DV), Pywacket_41 (DV), Ranch_43 (DV), RazorC_41 (DV), Riduram_40 (DV), Rota_42 (DV), Rukungu_44 (DV), Rumi_42 (DV), Sampudon_42 (DV), Stormer_41 (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 5 was manually annotated 5 times for cluster DV.
•Start number 6 was manually annotated 28 times for cluster DV.

Gene Information:

Gene: Aaravos_39 Start: 33714, Stop: 34022, Start Num: 5
Candidate Starts for Aaravos_39:
(Start: 5 @33714 has 5 MA's), (7, 33873), (9, 34017),

Gene: Alephilan_40 Start: 33753, Stop: 34094, Start Num: 6
Candidate Starts for Alephilan_40:
(4, 33708), (Start: 6 @33753 has 28 MA's), (10, 34089),

Gene: Alyssamiracle_43 Start: 32747, Stop: 33088, Start Num: 6
Candidate Starts for Alyssamiracle_43:
(1, 32609), (Start: 6 @32747 has 28 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:
(1, 32187), (Start: 6 @32325 has 28 MA's), (10, 32661),

Gene: Avian_40 Start: 32714, Stop: 33055, Start Num: 6
Candidate Starts for Avian_40:
(1, 32576), (Start: 6 @32714 has 28 MA's), (10, 33050),

Gene: BirthdayBoy_44 Start: 34531, Stop: 34833, Start Num: 6
Candidate Starts for BirthdayBoy_44:
(Start: 6 @34531 has 28 MA's),

Gene: Charminar_40 Start: 32332, Stop: 32673, Start Num: 6
Candidate Starts for Charminar_40:
(3, 32221), (Start: 6 @32332 has 28 MA's), (10, 32668),

Gene: DaviePasture_42 Start: 34186, Stop: 34494, Start Num: 6
Candidate Starts for DaviePasture_42:
(Start: 6 @34186 has 28 MA's), (9, 34489),

Gene: DoobyDoo_41 Start: 33341, Stop: 33649, Start Num: 6
Candidate Starts for DoobyDoo_41:
(1, 33206), (3, 33233), (Start: 6 @33341 has 28 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:
(1, 33711), (2, 33735), (3, 33738), (Start: 6 @33846 has 28 MA's), (7, 34005), (9, 34149),

Gene: Genamy16_43 Start: 32735, Stop: 33076, Start Num: 6
Candidate Starts for Genamy16_43:
(1, 32597), (Start: 6 @32735 has 28 MA's), (10, 33071),

Gene: Gibbin_43 Start: 34469, Stop: 34810, Start Num: 6
Candidate Starts for Gibbin_43:
(1, 34334), (3, 34361), (Start: 6 @34469 has 28 MA's), (10, 34805),

Gene: GretelLyn_42 Start: 34719, Stop: 35060, Start Num: 6
Candidate Starts for GretelLyn_42:
(1, 34584), (3, 34611), (Start: 6 @34719 has 28 MA's), (10, 35055),

Gene: Jalebi_41 Start: 35057, Stop: 35359, Start Num: 6
Candidate Starts for Jalebi_41:
(Start: 6 @35057 has 28 MA's),

Gene: Jamemuya19_40 Start: 32338, Stop: 32679, Start Num: 6
Candidate Starts for Jamemuya19_40:
(3, 32227), (Start: 6 @32338 has 28 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 28 MA's), (10, 33325),

Gene: Lila22_42 Start: 34503, Stop: 34805, Start Num: 6
Candidate Starts for Lila22_42:
(Start: 6 @34503 has 28 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: MoiGyank_45 Start: 34910, Stop: 35251, Start Num: 6
Candidate Starts for MoiGyank_45:
(Start: 6 @34910 has 28 MA's), (10, 35246),

Gene: Nettle_43 Start: 34627, Stop: 34968, Start Num: 6
Candidate Starts for Nettle_43:
(1, 34492), (3, 34519), (Start: 6 @34627 has 28 MA's), (10, 34963),

Gene: NorManre_44 Start: 34128, Stop: 34469, Start Num: 6
Candidate Starts for NorManre_44:
(Start: 6 @34128 has 28 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 28 MA's), (10, 32662),

Gene: ParvusTarda_42 Start: 33514, Stop: 33855, Start Num: 6
Candidate Starts for ParvusTarda_42:
(1, 33379), (3, 33406), (Start: 6 @33514 has 28 MA's), (10, 33850),

Gene: Patos_44 Start: 34128, Stop: 34469, Start Num: 6
Candidate Starts for Patos_44:
(Start: 6 @34128 has 28 MA's), (10, 34464),

Gene: Pywacket_41 Start: 34865, Stop: 35173, Start Num: 6
Candidate Starts for Pywacket_41:
(1, 34730), (3, 34757), (Start: 6 @34865 has 28 MA's), (7, 35024), (9, 35168),

Gene: Ranch_43 Start: 33012, Stop: 33314, Start Num: 6
Candidate Starts for Ranch_43:
(Start: 6 @33012 has 28 MA's),

Gene: RazorC_41 Start: 32716, Stop: 33057, Start Num: 6
Candidate Starts for RazorC_41:
(1, 32578), (Start: 6 @32716 has 28 MA's), (10, 33052),

Gene: Riduram_40 Start: 32292, Stop: 32633, Start Num: 6

Candidate Starts for Riduram_40:
(1, 32154), (Start: 6 @32292 has 28 MA's), (10, 32628),

Gene: Rota_42 Start: 34413, Stop: 34715, Start Num: 6
Candidate Starts for Rota_42:
(Start: 6 @34413 has 28 MA's),

Gene: Rukungu_44 Start: 34736, Stop: 35038, Start Num: 6
Candidate Starts for Rukungu_44:
(Start: 6 @34736 has 28 MA's),

Gene: Rumi_42 Start: 32260, Stop: 32601, Start Num: 6
Candidate Starts for Rumi_42:
(1, 32122), (Start: 6 @32260 has 28 MA's), (10, 32596),

Gene: Sampudon_42 Start: 35057, Stop: 35359, Start Num: 6
Candidate Starts for Sampudon_42:
(Start: 6 @35057 has 28 MA's),

Gene: Stormer_41 Start: 32264, Stop: 32605, Start Num: 6
Candidate Starts for Stormer_41:
(3, 32153), (Start: 6 @32264 has 28 MA's), (10, 32600),

Gene: Wojtek_41 Start: 33757, Stop: 34059, Start Num: 6
Candidate Starts for Wojtek_41:
(Start: 6 @33757 has 28 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: Zany_41 Start: 34506, Stop: 34847, Start Num: 6
Candidate Starts for Zany_41:
(Start: 6 @34506 has 28 MA's), (10, 34842),