

Pham 308948



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 308948 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308948 has 36 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BruhMoment_58
- Track 2 : Confidence_68
- Track 3 : EMsquaredA_68, Marteena_67
- Track 4 : Bunnybear_63
- Track 5 : Bosnia_69
- Track 6 : Hyzer_82
- Track 7 : Yeet412_62, EdnaMode_62, Pickett_61
- Track 8 : BaxterFox_72
- Track 9 : Scumberland_54, Quhwah_56, BeagleBug_52, Ramiel05_52, Cranjis_54, LittleFortune_54, KaiHaiDragon_53, Antares_53, PiperSansNom_53, Shotgun_52, Kowalski_52, BrazzalePHS_52, Rockwell_52, EarickHC_53, PhedwardCullen_52, CrazyRich_52
- Track 10 : Crisis_54, Hermeonysus_52
- Track 11 : Onika_52, Paschalis_52, Savannah_52
- Track 12 : Jollipop_53, PierreOrion_53
- Track 13 : Jefe_53
- Track 14 : TurkishDelight_70

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

The start number called the most often in the published annotations is 14, it was called in 22 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares_53, BeagleBug_52, BrazzalePHS_52, Cranjis_54, CrazyRich_52, Crisis_54, EarickHC_53, Hermeonysus_52, Jefe_53, Jollipop_53, KaiHaiDragon_53, Kowalski_52, LittleFortune_54, Onika_52, Paschalis_52, PhedwardCullen_52, PierreOrion_53, PiperSansNom_53, Quhwah_56, Ramiel05_52, Rockwell_52, Savannah_52, Scumberland_54, Shotgun_52,

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

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

- BaxterFox_72, Bosnia_69, BruhMoment_58, Bunnybear_63, Confidence_68, EMSquaredA_68, EdnaMode_62, Hyzer_82, Marteena_67, Pickett_61, TurkishDelight_70, Yeet412_62,

Summary by start number:

Start 4:

- Found in 3 of 36 (8.3%) of genes in pham
- Manual Annotations of this start: 3 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EdnaMode_62 (CZ2), Pickett_61 (CZ2), Yeet412_62 (CZ2),

Start 6:

- Found in 2 of 36 (5.6%) of genes in pham
- Manual Annotations of this start: 2 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EMSquaredA_68 (CY1), Marteena_67 (CY1),

Start 8:

- Found in 7 of 36 (19.4%) of genes in pham
- Manual Annotations of this start: 5 of 34
- Called 71.4% of time when present
- Phage (with cluster) where this start called: BaxterFox_72 (CZ3), Bosnia_69 (CZ1), Bunnybear_63 (CZ), Confidence_68 (CY1), Hyzer_82 (CZ1),

Start 9:

- Found in 2 of 36 (5.6%) of genes in pham
- Manual Annotations of this start: 2 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_58 (AP3), TurkishDelight_70 (singleton),

Start 14:

- Found in 24 of 36 (66.7%) of genes in pham
- Manual Annotations of this start: 22 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antares_53 (EC), BeagleBug_52 (EC), BrazzalePHS_52 (EC), Cranjis_54 (EC), CrazyRich_52 (EC), Crisis_54 (EC), EarickHC_53 (EC), Hermeonysus_52 (EC), Jefe_53 (EC), Jollipop_53 (EC), KaiHaiDragon_53 (EC), Kowalski_52 (EC), LittleFortune_54 (EC), Onika_52 (EC), Paschalis_52 (EC), PhedwardCullen_52 (EC), PierreOrion_53 (EC), PiperSansNom_53 (EC), Quhwah_56 (EC), Ramiel05_52 (EC), Rockwell_52 (EC), Savannah_52 (EC), Scumberland_54 (EC), Shotgun_52 (EC),

Summary by clusters:

There are 8 clusters represented in this pham: CY1, CZ2, CZ3, CZ1, singleton, EC, CZ, AP3,

Info for manual annotations of cluster AP3:

- Start number 9 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster CY1:

- Start number 6 was manually annotated 2 times for cluster CY1.
- Start number 8 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CZ:

- Start number 8 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 8 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 4 was manually annotated 3 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 8 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster EC:

- Start number 14 was manually annotated 22 times for cluster EC.

Gene Information:

Gene: Antares_53 Start: 35601, Stop: 35921, Start Num: 14

Candidate Starts for Antares_53:

(3, 35382), (12, 35496), (Start: 14 @35601 has 22 MA's), (20, 35661), (22, 35664), (24, 35694), (29, 35760), (37, 35841), (40, 35892), (41, 35895),

Gene: BaxterFox_72 Start: 47683, Stop: 48102, Start Num: 8

Candidate Starts for BaxterFox_72:

(Start: 8 @47683 has 5 MA's), (11, 47695), (15, 47818), (18, 47848), (21, 47869), (31, 47992), (36, 48016), (41, 48085),

Gene: BeagleBug_52 Start: 35382, Stop: 35702, Start Num: 14

Candidate Starts for BeagleBug_52:

(3, 35163), (12, 35277), (Start: 14 @35382 has 22 MA's), (20, 35442), (22, 35445), (24, 35475), (29, 35541), (37, 35622), (40, 35673), (41, 35676),

Gene: Bosnia_69 Start: 48464, Stop: 48883, Start Num: 8

Candidate Starts for Bosnia_69:

(7, 48461), (Start: 8 @48464 has 5 MA's), (11, 48476), (15, 48599), (18, 48629), (31, 48773), (36, 48797), (41, 48866),

Gene: BrazzalePHS_52 Start: 35397, Stop: 35717, Start Num: 14

Candidate Starts for BrazzalePHS_52:

(3, 35178), (12, 35292), (Start: 14 @35397 has 22 MA's), (20, 35457), (22, 35460), (24, 35490), (29, 35556), (37, 35637), (40, 35688), (41, 35691),

Gene: BruhMoment_58 Start: 42356, Stop: 41937, Start Num: 9

Candidate Starts for BruhMoment_58:

(2, 42449), (Start: 9 @42356 has 2 MA's), (15, 42224), (16, 42206), (31, 42053), (34, 42044), (35, 42041), (36, 42029),

Gene: Bunnybear_63 Start: 45503, Stop: 45922, Start Num: 8

Candidate Starts for Bunnybear_63:

(Start: 8 @45503 has 5 MA's), (11, 45515), (15, 45638), (18, 45668), (25, 45731), (26, 45740), (31, 45812), (36, 45836), (39, 45869), (41, 45905),

Gene: Confidence_68 Start: 44604, Stop: 45023, Start Num: 8

Candidate Starts for Confidence_68:

(Start: 8 @44604 has 5 MA's), (10, 44610), (15, 44739), (18, 44769), (25, 44832), (26, 44841), (31, 44913), (36, 44937), (39, 44970), (41, 45006),

Gene: Cranjis_54 Start: 35556, Stop: 35876, Start Num: 14

Candidate Starts for Cranjis_54:

(3, 35337), (12, 35451), (Start: 14 @35556 has 22 MA's), (20, 35616), (22, 35619), (24, 35649), (29, 35715), (37, 35796), (40, 35847), (41, 35850),

Gene: CrazyRich_52 Start: 35365, Stop: 35685, Start Num: 14

Candidate Starts for CrazyRich_52:

(3, 35146), (12, 35260), (Start: 14 @35365 has 22 MA's), (20, 35425), (22, 35428), (24, 35458), (29, 35524), (37, 35605), (40, 35656), (41, 35659),

Gene: Crisis_54 Start: 35356, Stop: 35676, Start Num: 14

Candidate Starts for Crisis_54:

(3, 35137), (12, 35251), (Start: 14 @35356 has 22 MA's), (22, 35419), (24, 35449), (29, 35515), (37, 35596), (40, 35647), (41, 35650),

Gene: EMSquaredA_68 Start: 45637, Stop: 46068, Start Num: 6

Candidate Starts for EMSquaredA_68:

(Start: 6 @45637 has 2 MA's), (Start: 8 @45649 has 5 MA's), (11, 45661), (15, 45784), (21, 45835), (31, 45958), (32, 45961), (41, 46051),

Gene: EarickHC_53 Start: 35279, Stop: 35599, Start Num: 14

Candidate Starts for EarickHC_53:

(3, 35060), (12, 35174), (Start: 14 @35279 has 22 MA's), (20, 35339), (22, 35342), (24, 35372), (29, 35438), (37, 35519), (40, 35570), (41, 35573),

Gene: EdnaMode_62 Start: 40691, Stop: 41185, Start Num: 4

Candidate Starts for EdnaMode_62:

(Start: 4 @40691 has 3 MA's), (5, 40718), (11, 40778), (15, 40901), (18, 40931), (30, 41069), (31, 41075), (33, 41081), (36, 41099), (41, 41168),

Gene: Hermeonysus_52 Start: 35285, Stop: 35605, Start Num: 14

Candidate Starts for Hermeonysus_52:

(3, 35066), (12, 35180), (Start: 14 @35285 has 22 MA's), (22, 35348), (24, 35378), (29, 35444), (37, 35525), (40, 35576), (41, 35579),

Gene: Hyzer_82 Start: 53728, Stop: 54144, Start Num: 8

Candidate Starts for Hyzer_82:

(Start: 8 @53728 has 5 MA's), (15, 53863), (18, 53893), (31, 54037), (36, 54061), (38, 54091), (39, 54094), (41, 54130),

Gene: Jefe_53 Start: 35343, Stop: 35663, Start Num: 14

Candidate Starts for Jefe_53:

(1, 34962), (3, 35124), (12, 35238), (Start: 14 @35343 has 22 MA's), (20, 35403), (22, 35406), (24, 35436), (29, 35502), (40, 35634), (41, 35637),

Gene: Jollipop_53 Start: 35682, Stop: 36002, Start Num: 14

Candidate Starts for Jollipop_53:

(3, 35463), (12, 35577), (Start: 14 @35682 has 22 MA's), (17, 35715), (20, 35742), (22, 35745), (24, 35775), (29, 35841), (37, 35922), (40, 35973), (41, 35976),

Gene: KaiHaiDragon_53 Start: 35279, Stop: 35599, Start Num: 14

Candidate Starts for KaiHaiDragon_53:

(3, 35060), (12, 35174), (Start: 14 @35279 has 22 MA's), (20, 35339), (22, 35342), (24, 35372), (29, 35438), (37, 35519), (40, 35570), (41, 35573),

Gene: Kowalski_52 Start: 35392, Stop: 35712, Start Num: 14

Candidate Starts for Kowalski_52:

(3, 35173), (12, 35287), (Start: 14 @35392 has 22 MA's), (20, 35452), (22, 35455), (24, 35485), (29, 35551), (37, 35632), (40, 35683), (41, 35686),

Gene: LittleFortune_54 Start: 35648, Stop: 35968, Start Num: 14

Candidate Starts for LittleFortune_54:

(3, 35429), (12, 35543), (Start: 14 @35648 has 22 MA's), (20, 35708), (22, 35711), (24, 35741), (29, 35807), (37, 35888), (40, 35939), (41, 35942),

Gene: Marteena_67 Start: 45637, Stop: 46068, Start Num: 6

Candidate Starts for Marteena_67:

(Start: 6 @45637 has 2 MA's), (Start: 8 @45649 has 5 MA's), (11, 45661), (15, 45784), (21, 45835), (31, 45958), (32, 45961), (41, 46051),

Gene: Onika_52 Start: 35367, Stop: 35687, Start Num: 14

Candidate Starts for Onika_52:

(1, 34986), (3, 35148), (12, 35262), (Start: 14 @35367 has 22 MA's), (20, 35427), (22, 35430), (24, 35460), (29, 35526), (37, 35607), (40, 35658), (41, 35661),

Gene: Paschalis_52 Start: 35374, Stop: 35694, Start Num: 14

Candidate Starts for Paschalis_52:

(1, 34993), (3, 35155), (12, 35269), (Start: 14 @35374 has 22 MA's), (20, 35434), (22, 35437), (24, 35467), (29, 35533), (37, 35614), (40, 35665), (41, 35668),

Gene: PhedwardCullen_52 Start: 35125, Stop: 35445, Start Num: 14

Candidate Starts for PhedwardCullen_52:

(3, 34906), (12, 35020), (Start: 14 @35125 has 22 MA's), (20, 35185), (22, 35188), (24, 35218), (29, 35284), (37, 35365), (40, 35416), (41, 35419),

Gene: Pickett_61 Start: 39296, Stop: 39790, Start Num: 4

Candidate Starts for Pickett_61:

(Start: 4 @39296 has 3 MA's), (5, 39323), (11, 39383), (15, 39506), (18, 39536), (30, 39674), (31, 39680), (33, 39686), (36, 39704), (41, 39773),

Gene: PierreOrion_53 Start: 35541, Stop: 35861, Start Num: 14

Candidate Starts for PierreOrion_53:

(3, 35322), (12, 35436), (Start: 14 @35541 has 22 MA's), (17, 35574), (20, 35601), (22, 35604), (24, 35634), (29, 35700), (37, 35781), (40, 35832), (41, 35835),

Gene: PiperSansNom_53 Start: 35681, Stop: 36001, Start Num: 14

Candidate Starts for PiperSansNom_53:

(3, 35462), (12, 35576), (Start: 14 @35681 has 22 MA's), (20, 35741), (22, 35744), (24, 35774), (29, 35840), (37, 35921), (40, 35972), (41, 35975),

Gene: Quhwah_56 Start: 35989, Stop: 36309, Start Num: 14

Candidate Starts for Quhwah_56:

(3, 35770), (12, 35884), (Start: 14 @35989 has 22 MA's), (20, 36049), (22, 36052), (24, 36082), (29, 36148), (37, 36229), (40, 36280), (41, 36283),

Gene: Ramiel05_52 Start: 35392, Stop: 35712, Start Num: 14

Candidate Starts for Ramiel05_52:

(3, 35173), (12, 35287), (Start: 14 @35392 has 22 MA's), (20, 35452), (22, 35455), (24, 35485), (29, 35551), (37, 35632), (40, 35683), (41, 35686),

Gene: Rockwell_52 Start: 35392, Stop: 35712, Start Num: 14

Candidate Starts for Rockwell_52:

(3, 35173), (12, 35287), (Start: 14 @35392 has 22 MA's), (20, 35452), (22, 35455), (24, 35485), (29, 35551), (37, 35632), (40, 35683), (41, 35686),

Gene: Savannah_52 Start: 35419, Stop: 35739, Start Num: 14

Candidate Starts for Savannah_52:

(1, 35038), (3, 35200), (12, 35314), (Start: 14 @35419 has 22 MA's), (20, 35479), (22, 35482), (24, 35512), (29, 35578), (37, 35659), (40, 35710), (41, 35713),

Gene: Scumberland_54 Start: 35614, Stop: 35934, Start Num: 14

Candidate Starts for Scumberland_54:

(3, 35395), (12, 35509), (Start: 14 @35614 has 22 MA's), (20, 35674), (22, 35677), (24, 35707), (29, 35773), (37, 35854), (40, 35905), (41, 35908),

Gene: Shotgun_52 Start: 35218, Stop: 35538, Start Num: 14

Candidate Starts for Shotgun_52:

(3, 34999), (12, 35113), (Start: 14 @35218 has 22 MA's), (20, 35278), (22, 35281), (24, 35311), (29, 35377), (37, 35458), (40, 35509), (41, 35512),

Gene: TurkishDelight_70 Start: 55847, Stop: 56257, Start Num: 9

Candidate Starts for TurkishDelight_70:

(Start: 9 @55847 has 2 MA's), (13, 55970), (15, 55979), (18, 56006), (19, 56012), (23, 56030), (26, 56078), (27, 56099), (28, 56120), (31, 56156), (32, 56159), (34, 56165), (35, 56168), (36, 56177),

Gene: Yeet412_62 Start: 41582, Stop: 42076, Start Num: 4

Candidate Starts for Yeet412_62:

(Start: 4 @41582 has 3 MA's), (5, 41609), (11, 41669), (15, 41792), (18, 41822), (30, 41960), (31, 41966), (33, 41972), (36, 41990), (41, 42059),