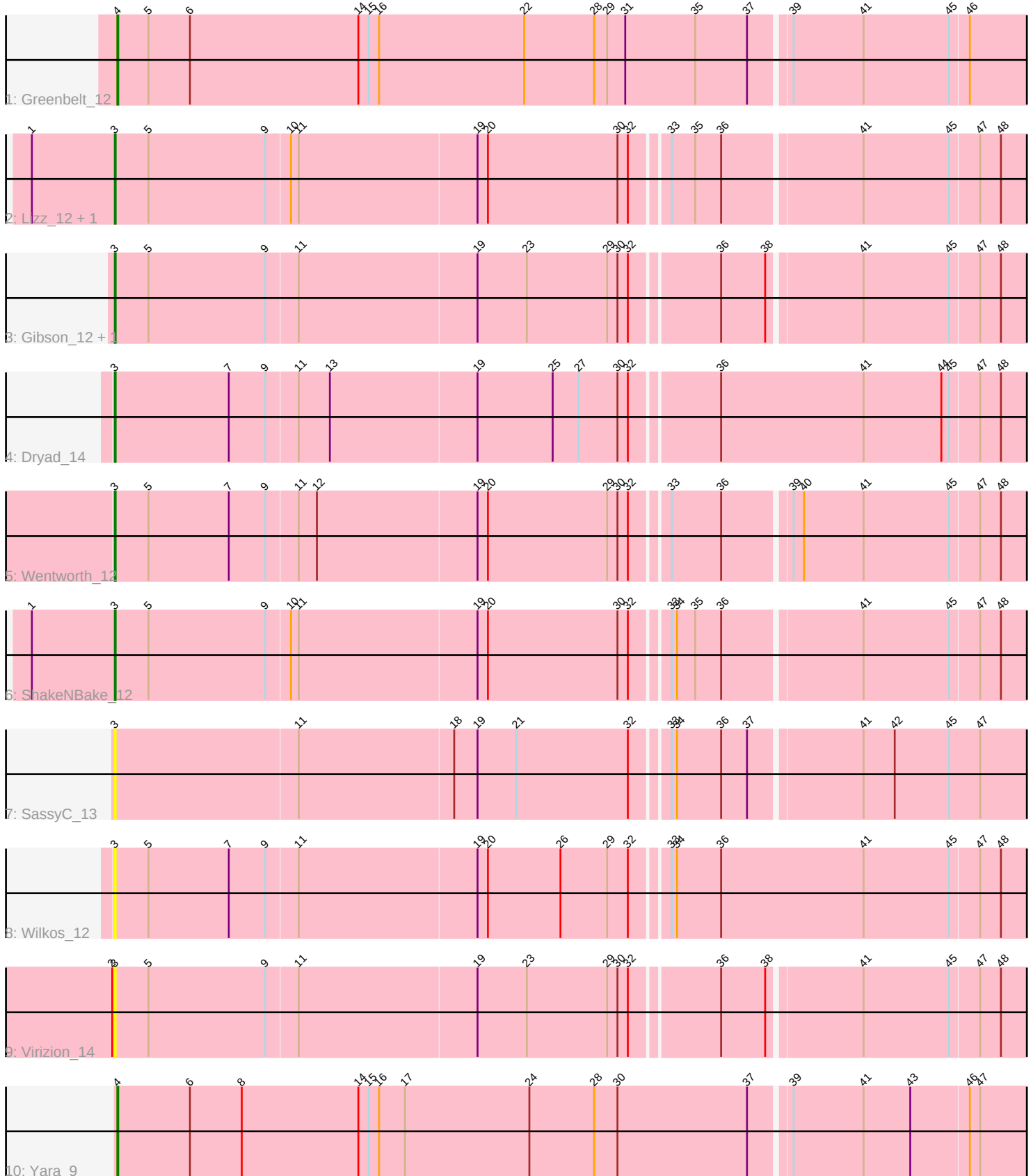


Pham 331429



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 331429 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331429 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Greenbelt_12
- Track 2 : Lizz_12, PHTowN_12
- Track 3 : Gibson_12, Rooney_12
- Track 4 : Dryad_14
- Track 5 : Wentworth_12
- Track 6 : ShakeNBake_12
- Track 7 : SassyC_13
- Track 8 : Wilkos_12
- Track 9 : Virizion_14
- Track 10 : Yara_9

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dryad_14, Gibson_12, Lizz_12, PHTowN_12, Rooney_12, SassyC_13, ShakeNBake_12, Virizion_14, Wentworth_12, Wilkos_12,

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

-

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

- Greenbelt_12, Yara_9,

Summary by start number:

Start 3:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_14 (BN), Gibson_12 (BN), Lizz_12 (BN), PHTowN_12 (BN), Rooney_12 (BN), SassyC_13 (BN),

ShakeNBake_12 (BN), Virizion_14 (BN), Wentworth_12 (BN), Wilkos_12 (BN),

Start 4:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greenbelt_12 (BN), Yara_9 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 3 was manually annotated 7 times for cluster BN.
- Start number 4 was manually annotated 2 times for cluster BN.

Gene Information:

Gene: Dryad_14 Start: 7172, Stop: 8230, Start Num: 3

Candidate Starts for Dryad_14:

(Start: 3 @7172 has 7 MA's), (7, 7304), (9, 7346), (11, 7382), (13, 7418), (19, 7586), (25, 7673), (27, 7703), (30, 7748), (32, 7760), (36, 7856), (41, 8021), (44, 8111), (45, 8120), (47, 8153), (48, 8177),

Gene: Gibson_12 Start: 6764, Stop: 7810, Start Num: 3

Candidate Starts for Gibson_12:

(Start: 3 @6764 has 7 MA's), (5, 6803), (9, 6938), (11, 6974), (19, 7178), (23, 7235), (29, 7328), (30, 7340), (32, 7352), (36, 7448), (38, 7499), (41, 7601), (45, 7700), (47, 7733), (48, 7757),

Gene: Greenbelt_12 Start: 6582, Stop: 7640, Start Num: 4

Candidate Starts for Greenbelt_12:

(Start: 4 @6582 has 2 MA's), (5, 6618), (6, 6666), (14, 6861), (15, 6873), (16, 6885), (22, 7053), (28, 7134), (29, 7149), (31, 7170), (35, 7251), (37, 7311), (39, 7353), (41, 7434), (45, 7533), (46, 7554),

Gene: Lizz_12 Start: 6680, Stop: 7726, Start Num: 3

Candidate Starts for Lizz_12:

(1, 6584), (Start: 3 @6680 has 7 MA's), (5, 6719), (9, 6854), (10, 6881), (11, 6890), (19, 7094), (20, 7106), (30, 7256), (32, 7268), (33, 7307), (35, 7334), (36, 7364), (41, 7517), (45, 7616), (47, 7649), (48, 7673),

Gene: PHTowN_12 Start: 6680, Stop: 7726, Start Num: 3

Candidate Starts for PHTowN_12:

(1, 6584), (Start: 3 @6680 has 7 MA's), (5, 6719), (9, 6854), (10, 6881), (11, 6890), (19, 7094), (20, 7106), (30, 7256), (32, 7268), (33, 7307), (35, 7334), (36, 7364), (41, 7517), (45, 7616), (47, 7649), (48, 7673),

Gene: Rooney_12 Start: 6764, Stop: 7810, Start Num: 3

Candidate Starts for Rooney_12:

(Start: 3 @6764 has 7 MA's), (5, 6803), (9, 6938), (11, 6974), (19, 7178), (23, 7235), (29, 7328), (30, 7340), (32, 7352), (36, 7448), (38, 7499), (41, 7601), (45, 7700), (47, 7733), (48, 7757),

Gene: SassyC_13 Start: 6445, Stop: 7494, Start Num: 3

Candidate Starts for SassyC_13:

(Start: 3 @6445 has 7 MA's), (11, 6655), (18, 6832), (19, 6859), (21, 6904), (32, 7033), (33, 7072), (34, 7078), (36, 7129), (37, 7159), (41, 7282), (42, 7318), (45, 7381), (47, 7417),

Gene: ShakeNBake_12 Start: 6680, Stop: 7726, Start Num: 3

Candidate Starts for ShakeNBake_12:

(1, 6584), (Start: 3 @6680 has 7 MA's), (5, 6719), (9, 6854), (10, 6881), (11, 6890), (19, 7094), (20, 7106), (30, 7256), (32, 7268), (33, 7307), (34, 7313), (35, 7334), (36, 7364), (41, 7517), (45, 7616), (47, 7649), (48, 7673),

Gene: Virizion_14 Start: 6994, Stop: 8040, Start Num: 3

Candidate Starts for Virizion_14:

(2, 6991), (Start: 3 @6994 has 7 MA's), (5, 7033), (9, 7168), (11, 7204), (19, 7408), (23, 7465), (29, 7558), (30, 7570), (32, 7582), (36, 7678), (38, 7729), (41, 7831), (45, 7930), (47, 7963), (48, 7987),

Gene: Wentworth_12 Start: 6466, Stop: 7512, Start Num: 3

Candidate Starts for Wentworth_12:

(Start: 3 @6466 has 7 MA's), (5, 6505), (7, 6598), (9, 6640), (11, 6676), (12, 6697), (19, 6880), (20, 6892), (29, 7030), (30, 7042), (32, 7054), (33, 7093), (36, 7150), (39, 7222), (40, 7234), (41, 7303), (45, 7402), (47, 7435), (48, 7459),

Gene: Wilkos_12 Start: 6623, Stop: 7681, Start Num: 3

Candidate Starts for Wilkos_12:

(Start: 3 @6623 has 7 MA's), (5, 6662), (7, 6755), (9, 6797), (11, 6833), (19, 7037), (20, 7049), (26, 7133), (29, 7187), (32, 7211), (33, 7250), (34, 7256), (36, 7307), (41, 7472), (45, 7571), (47, 7604), (48, 7628),

Gene: Yara_9 Start: 5566, Stop: 6624, Start Num: 4

Candidate Starts for Yara_9:

(Start: 4 @5566 has 2 MA's), (6, 5650), (8, 5710), (14, 5845), (15, 5857), (16, 5869), (17, 5899), (24, 6043), (28, 6118), (30, 6145), (37, 6295), (39, 6337), (41, 6418), (43, 6472), (46, 6538), (47, 6550),