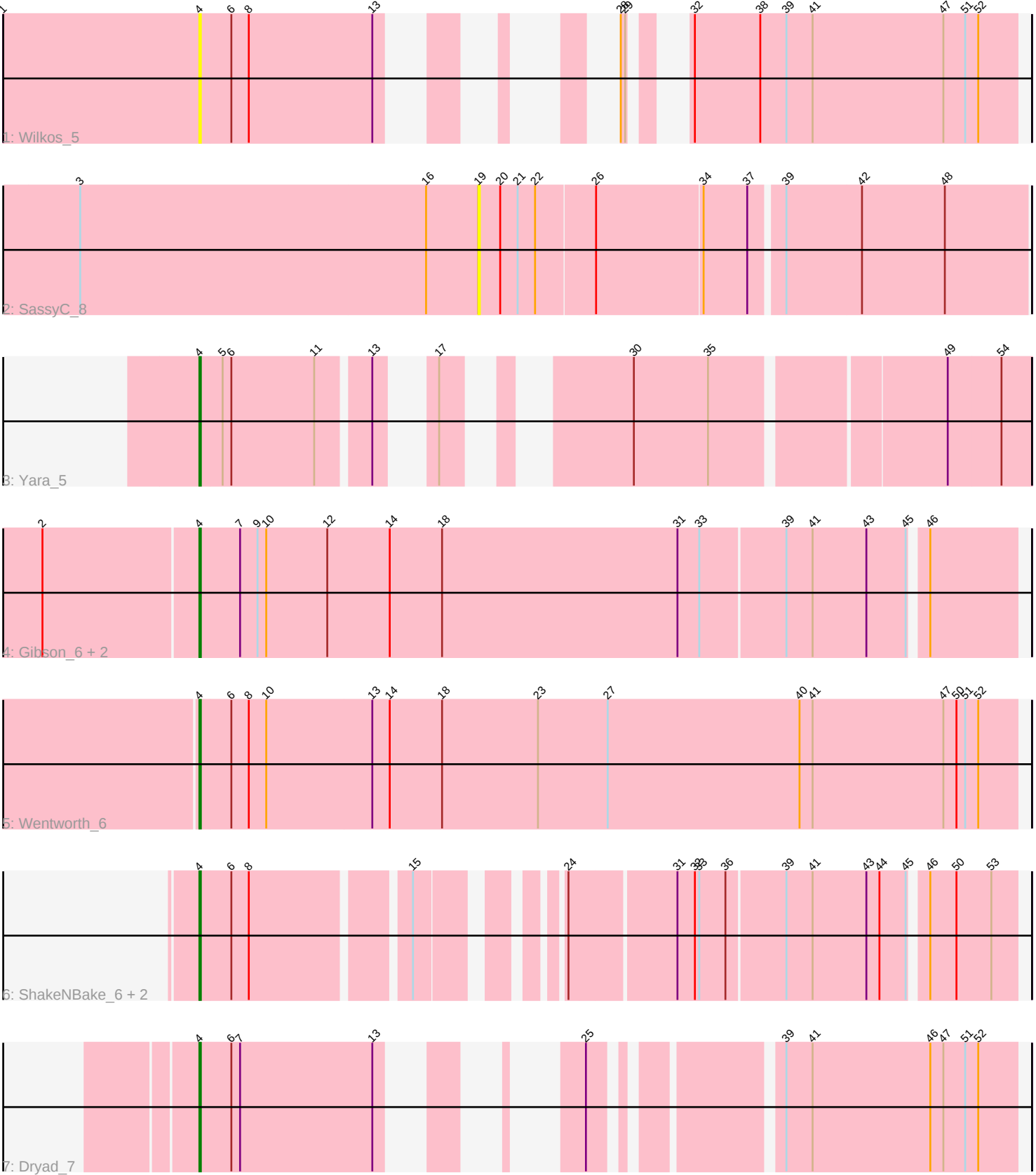


Pham 309688



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 309688 Report

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

Pham number 309688 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Wilkos_5
- Track 2 : SassyC_8
- Track 3 : Yara_5
- Track 4 : Gibson_6, Virizion_7, Rooney_6
- Track 5 : Wentworth_6
- Track 6 : ShakeNBake_6, PHTowN_6, Lizz_6
- Track 7 : Dryad_7

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dryad_7, Gibson_6, Lizz_6, PHTowN_6, Rooney_6, ShakeNBake_6, Virizion_7, Wentworth_6, Wilkos_5, Yara_5,

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

-

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

- SassyC_8,

Summary by start number:

Start 4:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_7 (BN), Gibson_6 (BN), Lizz_6 (BN), PHTowN_6 (BN), Rooney_6 (BN), ShakeNBake_6 (BN), Virizion_7 (BN), Wentworth_6 (BN), Wilkos_5 (BN), Yara_5 (BN),

Start 19:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SassyC_8 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 4 was manually annotated 8 times for cluster BN.

Gene Information:

Gene: Dryad_7 Start: 2170, Stop: 2601, Start Num: 4

Candidate Starts for Dryad_7:

(Start: 4 @2170 has 8 MA's), (6, 2191), (7, 2197), (13, 2287), (25, 2338), (39, 2443), (41, 2461), (46, 2542), (47, 2551), (51, 2566), (52, 2575),

Gene: Gibson_6 Start: 1982, Stop: 2530, Start Num: 4

Candidate Starts for Gibson_6:

(2, 1877), (Start: 4 @1982 has 8 MA's), (7, 2009), (9, 2021), (10, 2027), (12, 2069), (14, 2111), (18, 2147), (31, 2309), (33, 2324), (39, 2381), (41, 2399), (43, 2435), (45, 2462), (46, 2471),

Gene: Lizz_6 Start: 1992, Stop: 2486, Start Num: 4

Candidate Starts for Lizz_6:

(Start: 4 @1992 has 8 MA's), (6, 2013), (8, 2025), (15, 2124), (24, 2196), (31, 2265), (32, 2277), (33, 2280), (36, 2298), (39, 2337), (41, 2355), (43, 2391), (44, 2400), (45, 2418), (46, 2427), (50, 2445), (53, 2469),

Gene: PHTowN_6 Start: 1992, Stop: 2486, Start Num: 4

Candidate Starts for PHTowN_6:

(Start: 4 @1992 has 8 MA's), (6, 2013), (8, 2025), (15, 2124), (24, 2196), (31, 2265), (32, 2277), (33, 2280), (36, 2298), (39, 2337), (41, 2355), (43, 2391), (44, 2400), (45, 2418), (46, 2427), (50, 2445), (53, 2469),

Gene: Rooney_6 Start: 1982, Stop: 2530, Start Num: 4

Candidate Starts for Rooney_6:

(2, 1877), (Start: 4 @1982 has 8 MA's), (7, 2009), (9, 2021), (10, 2027), (12, 2069), (14, 2111), (18, 2147), (31, 2309), (33, 2324), (39, 2381), (41, 2399), (43, 2435), (45, 2462), (46, 2471),

Gene: SassyC_8 Start: 2083, Stop: 2448, Start Num: 19

Candidate Starts for SassyC_8:

(3, 1810), (16, 2047), (19, 2083), (20, 2098), (21, 2110), (22, 2122), (26, 2161), (34, 2233), (37, 2263), (39, 2284), (42, 2335), (48, 2392),

Gene: ShakeNBake_6 Start: 1992, Stop: 2486, Start Num: 4

Candidate Starts for ShakeNBake_6:

(Start: 4 @1992 has 8 MA's), (6, 2013), (8, 2025), (15, 2124), (24, 2196), (31, 2265), (32, 2277), (33, 2280), (36, 2298), (39, 2337), (41, 2355), (43, 2391), (44, 2400), (45, 2418), (46, 2427), (50, 2445), (53, 2469),

Gene: Virizion_7 Start: 1982, Stop: 2530, Start Num: 4

Candidate Starts for Virizion_7:

(2, 1877), (Start: 4 @1982 has 8 MA's), (7, 2009), (9, 2021), (10, 2027), (12, 2069), (14, 2111), (18, 2147), (31, 2309), (33, 2324), (39, 2381), (41, 2399), (43, 2435), (45, 2462), (46, 2471),

Gene: Wentworth_6 Start: 1714, Stop: 2274, Start Num: 4

Candidate Starts for Wentworth_6:

(Start: 4 @1714 has 8 MA's), (6, 1735), (8, 1747), (10, 1759), (13, 1831), (14, 1843), (18, 1879), (23, 1945), (27, 1993), (40, 2125), (41, 2134), (47, 2224), (50, 2233), (51, 2239), (52, 2248),

Gene: Wilkos_5 Start: 1977, Stop: 2387, Start Num: 4

Candidate Starts for Wilkos_5:

(1, 1842), (Start: 4 @1977 has 8 MA's), (6, 1998), (8, 2010), (13, 2094), (28, 2148), (29, 2151), (32, 2166), (38, 2211), (39, 2229), (41, 2247), (47, 2337), (51, 2352), (52, 2361),

Gene: Yara_5 Start: 1593, Stop: 2063, Start Num: 4

Candidate Starts for Yara_5:

(Start: 4 @1593 has 8 MA's), (5, 1608), (6, 1614), (11, 1671), (13, 1704), (17, 1722), (30, 1806), (35, 1857), (49, 2007), (54, 2043),