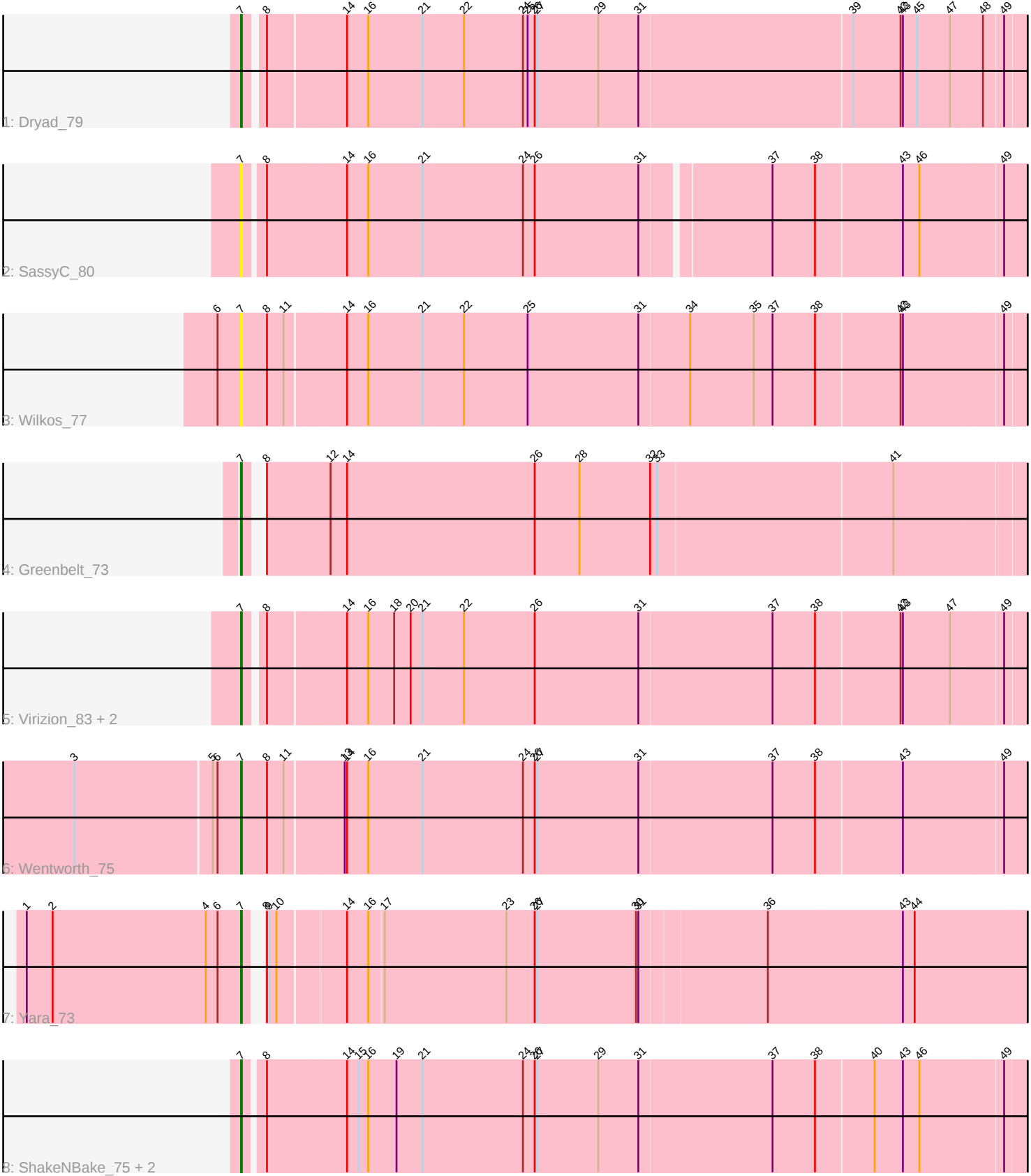


Pham 281062



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 281062 Report

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

Pham number 281062 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Dryad_79
- Track 2 : SassyC_80
- Track 3 : Wilkos_77
- Track 4 : Greenbelt_73
- Track 5 : Virizion_83, Gibson_77, Rooney_77
- Track 6 : Wentworth_75
- Track 7 : Yara_73
- Track 8 : ShakeNBake_75, Lizz_75, PHTowN_75

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

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

Genes that call this "Most Annotated" start:

- Dryad_79, Gibson_77, Greenbelt_73, Lizz_75, PHTowN_75, Rooney_77, SassyC_80, ShakeNBake_75, Virizion_83, Wentworth_75, Wilkos_77, Yara_73,

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

-

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

-

Summary by start number:

Start 7:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_79 (BN), Gibson_77 (BN), Greenbelt_73 (BN), Lizz_75 (BN), PHTowN_75 (BN), Rooney_77 (BN), SassyC_80 (BN), ShakeNBake_75 (BN), Virizion_83 (BN), Wentworth_75 (BN), Wilkos_77 (BN), Yara_73 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 7 was manually annotated 9 times for cluster BN.

Gene Information:

Gene: Dryad_79 Start: 53594, Stop: 52629, Start Num: 7

Candidate Starts for Dryad_79:

(Start: 7 @53594 has 9 MA's), (8, 53573), (14, 53480), (16, 53453), (21, 53384), (22, 53333), (24, 53258), (25, 53252), (26, 53243), (27, 53240), (29, 53162), (31, 53111), (39, 52844), (42, 52784), (43, 52781), (45, 52763), (47, 52721), (48, 52682), (49, 52658),

Gene: Gibson_77 Start: 53215, Stop: 52250, Start Num: 7

Candidate Starts for Gibson_77:

(Start: 7 @53215 has 9 MA's), (8, 53194), (14, 53101), (16, 53074), (18, 53041), (20, 53020), (21, 53005), (22, 52954), (26, 52864), (31, 52732), (37, 52564), (38, 52510), (42, 52405), (43, 52402), (47, 52342), (49, 52279),

Gene: Greenbelt_73 Start: 49034, Stop: 48066, Start Num: 7

Candidate Starts for Greenbelt_73:

(Start: 7 @49034 has 9 MA's), (8, 49022), (12, 48941), (14, 48920), (26, 48683), (28, 48626), (32, 48536), (33, 48527), (41, 48233),

Gene: Lizz_75 Start: 52769, Stop: 51798, Start Num: 7

Candidate Starts for Lizz_75:

(Start: 7 @52769 has 9 MA's), (8, 52748), (14, 52649), (15, 52634), (16, 52622), (19, 52586), (21, 52553), (24, 52427), (26, 52412), (27, 52409), (29, 52331), (31, 52280), (37, 52112), (38, 52058), (40, 51986), (43, 51950), (46, 51929), (49, 51827),

Gene: PHTowN_75 Start: 52767, Stop: 51796, Start Num: 7

Candidate Starts for PHTowN_75:

(Start: 7 @52767 has 9 MA's), (8, 52746), (14, 52647), (15, 52632), (16, 52620), (19, 52584), (21, 52551), (24, 52425), (26, 52410), (27, 52407), (29, 52329), (31, 52278), (37, 52110), (38, 52056), (40, 51984), (43, 51948), (46, 51927), (49, 51825),

Gene: Rooney_77 Start: 53191, Stop: 52226, Start Num: 7

Candidate Starts for Rooney_77:

(Start: 7 @53191 has 9 MA's), (8, 53170), (14, 53077), (16, 53050), (18, 53017), (20, 52996), (21, 52981), (22, 52930), (26, 52840), (31, 52708), (37, 52540), (38, 52486), (42, 52381), (43, 52378), (47, 52318), (49, 52255),

Gene: SassyC_80 Start: 53760, Stop: 52798, Start Num: 7

Candidate Starts for SassyC_80:

(Start: 7 @53760 has 9 MA's), (8, 53736), (14, 53637), (16, 53610), (21, 53541), (24, 53415), (26, 53400), (31, 53268), (37, 53115), (38, 53061), (43, 52953), (46, 52932), (49, 52830),

Gene: ShakeNBake_75 Start: 52794, Stop: 51823, Start Num: 7

Candidate Starts for ShakeNBake_75:

(Start: 7 @52794 has 9 MA's), (8, 52773), (14, 52674), (15, 52659), (16, 52647), (19, 52611), (21, 52578), (24, 52452), (26, 52437), (27, 52434), (29, 52356), (31, 52305), (37, 52137), (38, 52083), (40, 52011), (43, 51975), (46, 51954), (49, 51852),

Gene: Virizion_83 Start: 53411, Stop: 52446, Start Num: 7

Candidate Starts for Virizion_83:

(Start: 7 @53411 has 9 MA's), (8, 53390), (14, 53297), (16, 53270), (18, 53237), (20, 53216), (21, 53201), (22, 53150), (26, 53060), (31, 52928), (37, 52760), (38, 52706), (42, 52601), (43, 52598), (47, 52538), (49, 52475),

Gene: Wentworth_75 Start: 52818, Stop: 51838, Start Num: 7

Candidate Starts for Wentworth_75:

(3, 53025), (5, 52854), (6, 52848), (Start: 7 @52818 has 9 MA's), (8, 52785), (11, 52764), (13, 52695), (14, 52692), (16, 52665), (21, 52596), (24, 52470), (26, 52455), (27, 52452), (31, 52323), (37, 52155), (38, 52101), (43, 51993), (49, 51870),

Gene: Wilkos_77 Start: 52984, Stop: 52007, Start Num: 7

Candidate Starts for Wilkos_77:

(6, 53014), (Start: 7 @52984 has 9 MA's), (8, 52951), (11, 52930), (14, 52858), (16, 52831), (21, 52762), (22, 52711), (25, 52630), (31, 52489), (34, 52426), (35, 52345), (37, 52321), (38, 52267), (42, 52162), (43, 52159), (49, 52036),

Gene: Yara_73 Start: 52131, Stop: 51136, Start Num: 7

Candidate Starts for Yara_73:

(1, 52404), (2, 52371), (4, 52176), (6, 52161), (Start: 7 @52131 has 9 MA's), (8, 52119), (9, 52116), (10, 52107), (14, 52026), (16, 51999), (17, 51981), (23, 51828), (26, 51792), (27, 51789), (30, 51663), (31, 51660), (36, 51504), (43, 51333), (44, 51318),