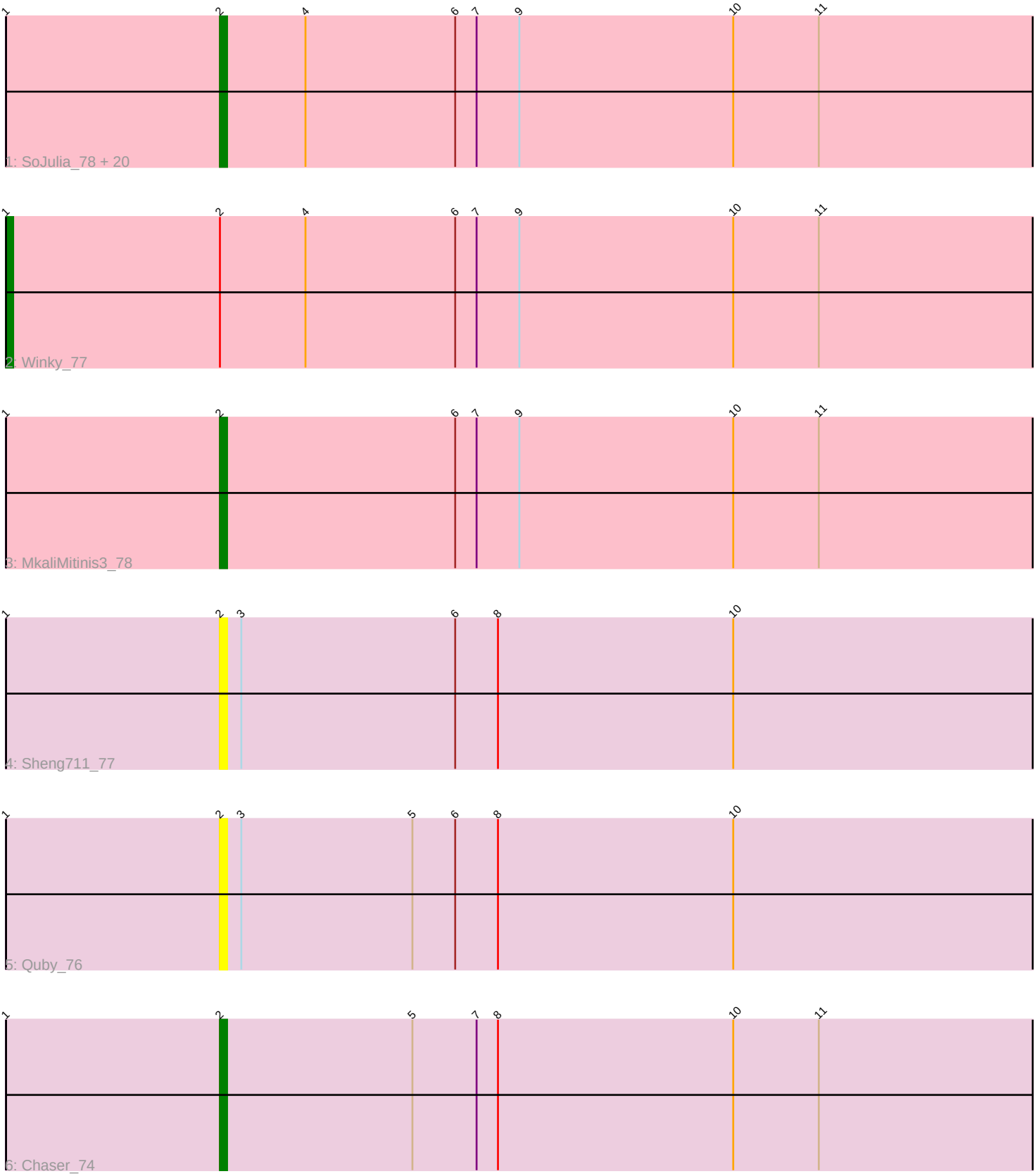
Pham 289687


1
2
4
6
7
9
10
11
1: SoJulia_78 + 20
1
2
4
6
7
9
10
11
2: Winky_77
1
2
6
7
9
10
11
3: MkaliMitinis3_78
1
2
3
6
8
10
4: Sheng711_77
1
2
3
5
6
8
10
5: Quby_76
1
2
5
7
8
10
11
6: Chaser_74

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 289687 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289687 has 26 members, 7 are drafts.

Phages represented in each track:
• Track 1 : SoJulia_78, Miley16_77, Gabriela_76, OverPar_79, Zakai_78, Kahlid_77, Itos_76, DrSeegs_77, Lynnae_79, Breezona_77, Lewan_78, Crossroads_77, BigCheese_77, BobsGarage_77, Soap141_77, GuuelaD_75, Faith1_77, Netyap_78, Wilder_78, Sarshaun_78, Loadrie_76
• Track 2 : Winky_77
• Track 3 : MkaliMitinis3_78
• Track 4 : Sheng711_77
• Track 5 : Quby_76
• Track 6 : Chaser_74

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

The start number called the most often in the published annotations is 2, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigCheese_77, BobsGarage_77, Breezona_77, Chaser_74, Crossroads_77, DrSeegs_77, Faith1_77, Gabriela_76, GuuelaD_75, Itos_76, Kahlid_77, Lewan_78, Loadrie_76, Lynnae_79, Miley16_77, MkaliMitinis3_78, Netyap_78, OverPar_79, Quby_76, Sarshaun_78, Sheng711_77, SoJulia_78, Soap141_77, Wilder_78, Zakai_78,

Genes that have the "Most Annotated" start but do not call it:
• Winky_77,

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

Summary by start number:

Start 1:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 3.8% of time when present

• Phage (with cluster) where this start called: Winky_77 (L2),

Start 2:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 96.2% of time when present
• Phage (with cluster) where this start called: BigCheese_77 (L2), BobsGarage_77 (L2), Breezona_77 (L2), Chaser_74 (L4), Crossroads_77 (L2), DrSeegs_77 (L2), Faith1_77 (L2), Gabriela_76 (L2), GuuelaD_75 (L2), Itos_76 (L2), Kahlid_77 (L2), Lewan_78 (L2), Loadrie_76 (L2), Lynnae_79 (L2), Miley16_77 (L2), MkaliMitinis3_78 (L2), Netyap_78 (L2), OverPar_79 (L2), Quby_76 (L4), Sarshaun_78 (L2), Sheng711_77 (L4), SoJulia_78 (L2), Soap141_77 (L2), Wilder_78 (L2), Zakai_78 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 1 time for cluster L2.
•Start number 2 was manually annotated 17 times for cluster L2.

Info for manual annotations of cluster L4:
•Start number 2 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: BigCheese_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for BigCheese_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: BobsGarage_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for BobsGarage_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: Breezona_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for Breezona_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: Chaser_74 Start: 51702, Stop: 51833, Start Num: 2
Candidate Starts for Chaser_74:
(Start: 1 @51672 has 1 MA's), (Start: 2 @51702 has 18 MA's), (5, 51729), (7, 51738), (8, 51741), (10, 51774), (11, 51786),

Gene: Crossroads_77 Start: 52936, Stop: 53067, Start Num: 2
Candidate Starts for Crossroads_77:
(Start: 1 @52906 has 1 MA's), (Start: 2 @52936 has 18 MA's), (4, 52948), (6, 52969), (7, 52972), (9, 52978), (10, 53008), (11, 53020),

Gene: DrSeegs_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for DrSeegs_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: Faith1_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for Faith1_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: Gabriela_76 Start: 52207, Stop: 52338, Start Num: 2
Candidate Starts for Gabriela_76:
(Start: 1 @52177 has 1 MA's), (Start: 2 @52207 has 18 MA's), (4, 52219), (6, 52240), (7, 52243), (9, 52249), (10, 52279), (11, 52291),

Gene: GuuelaD_75 Start: 52976, Stop: 53107, Start Num: 2
Candidate Starts for GuuelaD_75:
(Start: 1 @52946 has 1 MA's), (Start: 2 @52976 has 18 MA's), (4, 52988), (6, 53009), (7, 53012), (9, 53018), (10, 53048), (11, 53060),

Gene: Itos_76 Start: 51767, Stop: 51898, Start Num: 2
Candidate Starts for Itos_76:
(Start: 1 @51737 has 1 MA's), (Start: 2 @51767 has 18 MA's), (4, 51779), (6, 51800), (7, 51803), (9, 51809), (10, 51839), (11, 51851),

Gene: Kahlid_77 Start: 52867, Stop: 52998, Start Num: 2
Candidate Starts for Kahlid_77:
(Start: 1 @52837 has 1 MA's), (Start: 2 @52867 has 18 MA's), (4, 52879), (6, 52900), (7, 52903), (9, 52909), (10, 52939), (11, 52951),

Gene: Lewan_78 Start: 52918, Stop: 53049, Start Num: 2
Candidate Starts for Lewan_78:
(Start: 1 @52888 has 1 MA's), (Start: 2 @52918 has 18 MA's), (4, 52930), (6, 52951), (7, 52954), (9, 52960), (10, 52990), (11, 53002),

Gene: Loadrie_76 Start: 52946, Stop: 53077, Start Num: 2
Candidate Starts for Loadrie_76:
(Start: 1 @52916 has 1 MA's), (Start: 2 @52946 has 18 MA's), (4, 52958), (6, 52979), (7, 52982), (9, 52988), (10, 53018), (11, 53030),

Gene: Lynnae_79 Start: 52879, Stop: 53010, Start Num: 2
Candidate Starts for Lynnae_79:
(Start: 1 @52849 has 1 MA's), (Start: 2 @52879 has 18 MA's), (4, 52891), (6, 52912), (7, 52915), (9, 52921), (10, 52951), (11, 52963),

Gene: Miley16_77 Start: 52861, Stop: 52992, Start Num: 2
Candidate Starts for Miley16_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: MkaliMitinis3_78 Start: 52930, Stop: 53061, Start Num: 2
Candidate Starts for MkaliMitinis3_78:

(Start: 1 @52900 has 1 MA's), (Start: 2 @52930 has 18 MA's), (6, 52963), (7, 52966), (9, 52972), (10, 53002), (11, 53014),

Gene: Netyap_78 Start: 52862, Stop: 52993, Start Num: 2
Candidate Starts for Netyap_78:
(Start: 1 @52832 has 1 MA's), (Start: 2 @52862 has 18 MA's), (4, 52874), (6, 52895), (7, 52898), (9, 52904), (10, 52934), (11, 52946),

Gene: OverPar_79 Start: 52946, Stop: 53077, Start Num: 2
Candidate Starts for OverPar_79:
(Start: 1 @52916 has 1 MA's), (Start: 2 @52946 has 18 MA's), (4, 52958), (6, 52979), (7, 52982), (9, 52988), (10, 53018), (11, 53030),

Gene: Quby_76 Start: 51656, Stop: 51769, Start Num: 2
Candidate Starts for Quby_76:
(Start: 1 @51626 has 1 MA's), (Start: 2 @51656 has 18 MA's), (3, 51659), (5, 51683), (6, 51689), (8, 51695), (10, 51728),

Gene: Sarshaun_78 Start: 52954, Stop: 53085, Start Num: 2
Candidate Starts for Sarshaun_78:
(Start: 1 @52924 has 1 MA's), (Start: 2 @52954 has 18 MA's), (4, 52966), (6, 52987), (7, 52990), (9, 52996), (10, 53026), (11, 53038),

Gene: Sheng711_77 Start: 51959, Stop: 52072, Start Num: 2
Candidate Starts for Sheng711_77:
(Start: 1 @51929 has 1 MA's), (Start: 2 @51959 has 18 MA's), (3, 51962), (6, 51992), (8, 51998), (10, 52031),

Gene: SoJulia_78 Start: 54022, Stop: 54153, Start Num: 2
Candidate Starts for SoJulia_78:
(Start: 1 @53992 has 1 MA's), (Start: 2 @54022 has 18 MA's), (4, 54034), (6, 54055), (7, 54058), (9, 54064), (10, 54094), (11, 54106),

Gene: Soap141_77 Start: 52954, Stop: 53085, Start Num: 2
Candidate Starts for Soap141_77:
(Start: 1 @52924 has 1 MA's), (Start: 2 @52954 has 18 MA's), (4, 52966), (6, 52987), (7, 52990), (9, 52996), (10, 53026), (11, 53038),

Gene: Wilder_78 Start: 52867, Stop: 52998, Start Num: 2
Candidate Starts for Wilder_78:
(Start: 1 @52837 has 1 MA's), (Start: 2 @52867 has 18 MA's), (4, 52879), (6, 52900), (7, 52903), (9, 52909), (10, 52939), (11, 52951),

Gene: Winky_77 Start: 52831, Stop: 52992, Start Num: 1
Candidate Starts for Winky_77:
(Start: 1 @52831 has 1 MA's), (Start: 2 @52861 has 18 MA's), (4, 52873), (6, 52894), (7, 52897), (9, 52903), (10, 52933), (11, 52945),

Gene: Zakai_78 Start: 53187, Stop: 53318, Start Num: 2
Candidate Starts for Zakai_78:
(Start: 1 @53157 has 1 MA's), (Start: 2 @53187 has 18 MA's), (4, 53199), (6, 53220), (7, 53223), (9, 53229), (10, 53259), (11, 53271),