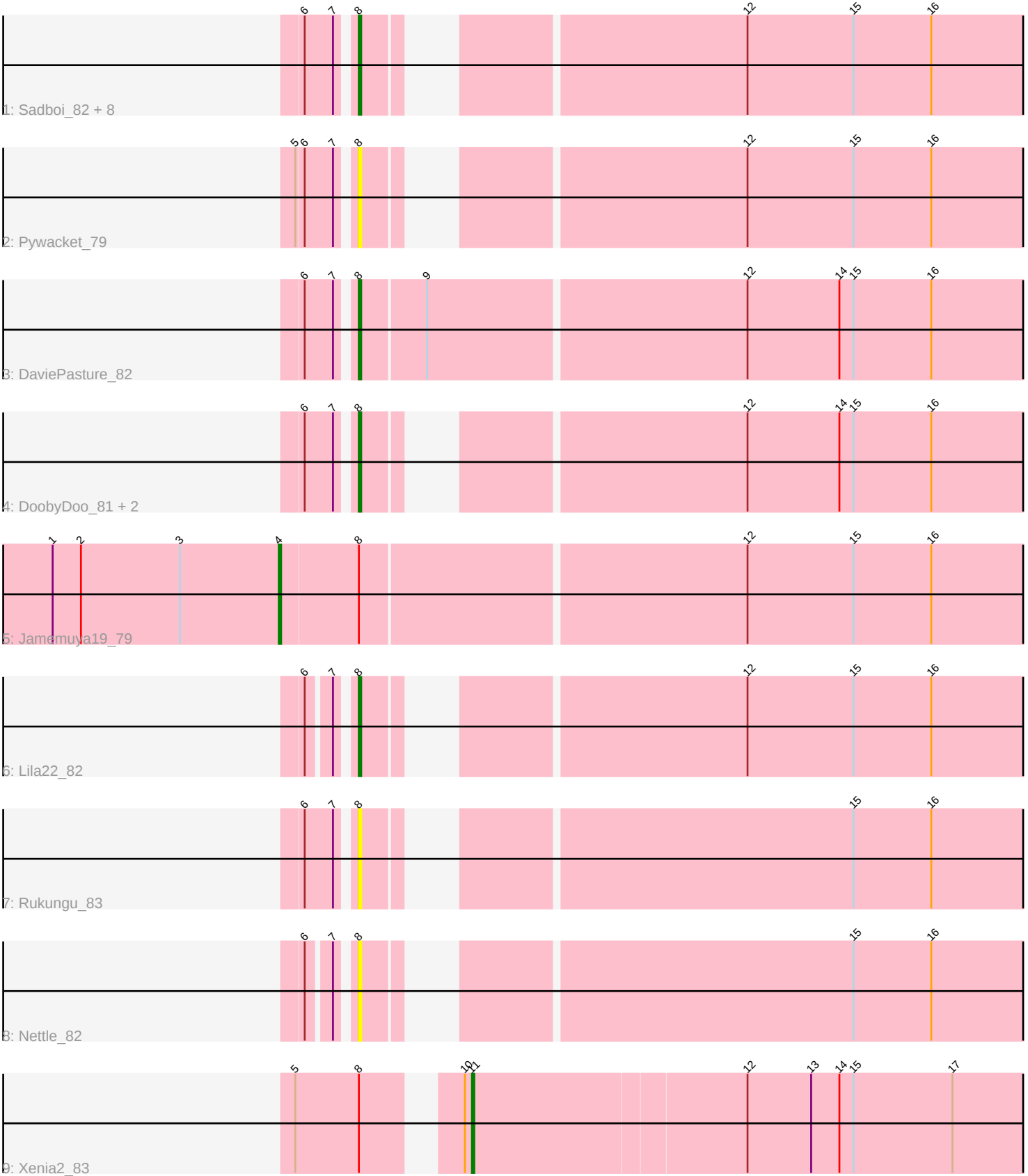


Pham 309352



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 309352 Report

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

Pham number 309352 has 19 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Sadboi_82, GretelLyn_82, Fulcrum_81, Gibbin_84, MoiGyank_85, Yikes_83, LavAbarElk_81, GOATification_81, Mima20_80
- Track 2 : Pywacket_79
- Track 3 : DaviePasture_82
- Track 4 : DoobyDoo_81, Sampudon_83, Jalebi_81
- Track 5 : Jamemuya19_79
- Track 6 : Lila22_82
- Track 7 : Rukungu_83
- Track 8 : Nettle_82
- Track 9 : Xenia2_83

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DaviePasture_82, DoobyDoo_81, Fulcrum_81, GOATification_81, Gibbin_84, GretelLyn_82, Jalebi_81, LavAbarElk_81, Lila22_82, Mima20_80, MoiGyank_85, Nettle_82, Pywacket_79, Rukungu_83, Sadboi_82, Sampudon_83, Yikes_83,

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

- Jamemuya19_79, Xenia2_83,

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

•

Summary by start number:

Start 4:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jamemuya19_79 (DV),

Start 8:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 15
- Called 89.5% of time when present
- Phage (with cluster) where this start called: DaviePasture_82 (DV), DoobyDoo_81 (DV), Fulcrum_81 (DV), GOATification_81 (DV), Gibbin_84 (DV), GretelLyn_82 (DV), Jalebi_81 (DV), LavAbarElk_81 (DV), Lila22_82 (DV), Mima20_80 (DV), MoiGyank_85 (DV), Nettle_82 (DV), Pywacket_79 (DV), Rukungu_83 (DV), Sadboi_82 (DV), Sampudon_83 (DV), Yikes_83 (DV),

Start 11:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Xenia2_83 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 4 was manually annotated 1 time for cluster DV.
- Start number 8 was manually annotated 13 times for cluster DV.
- Start number 11 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: DaviePasture_82 Start: 56200, Stop: 56484, Start Num: 8

Candidate Starts for DaviePasture_82:

(6, 56182), (7, 56194), (Start: 8 @56200 has 13 MA's), (9, 56227), (12, 56359), (14, 56398), (15, 56404), (16, 56437),

Gene: DoobyDoo_81 Start: 55084, Stop: 55344, Start Num: 8

Candidate Starts for DoobyDoo_81:

(6, 55066), (7, 55078), (Start: 8 @55084 has 13 MA's), (12, 55219), (14, 55258), (15, 55264), (16, 55297),

Gene: Fulcrum_81 Start: 55969, Stop: 56229, Start Num: 8

Candidate Starts for Fulcrum_81:

(6, 55951), (7, 55963), (Start: 8 @55969 has 13 MA's), (12, 56104), (15, 56149), (16, 56182),

Gene: GOATification_81 Start: 55969, Stop: 56229, Start Num: 8

Candidate Starts for GOATification_81:

(6, 55951), (7, 55963), (Start: 8 @55969 has 13 MA's), (12, 56104), (15, 56149), (16, 56182),

Gene: Gibbin_84 Start: 56774, Stop: 57034, Start Num: 8

Candidate Starts for Gibbin_84:

(6, 56756), (7, 56768), (Start: 8 @56774 has 13 MA's), (12, 56909), (15, 56954), (16, 56987),

Gene: GretelLyn_82 Start: 56603, Stop: 56863, Start Num: 8

Candidate Starts for GretelLyn_82:

(6, 56585), (7, 56597), (Start: 8 @56603 has 13 MA's), (12, 56738), (15, 56783), (16, 56816),

Gene: Jalebi_81 Start: 57196, Stop: 57456, Start Num: 8

Candidate Starts for Jalebi_81:

(6, 57178), (7, 57190), (Start: 8 @57196 has 13 MA's), (12, 57331), (14, 57370), (15, 57376), (16, 57409),

Gene: Jamemuya19_79 Start: 54655, Stop: 54972, Start Num: 4

Candidate Starts for Jamemuya19_79:

(1, 54559), (2, 54571), (3, 54613), (Start: 4 @54655 has 1 MA's), (Start: 8 @54688 has 13 MA's), (12, 54847), (15, 54892), (16, 54925),

Gene: LavAbarElk_81 Start: 55402, Stop: 55662, Start Num: 8

Candidate Starts for LavAbarElk_81:

(6, 55384), (7, 55396), (Start: 8 @55402 has 13 MA's), (12, 55537), (15, 55582), (16, 55615),

Gene: Lila22_82 Start: 56671, Stop: 56931, Start Num: 8

Candidate Starts for Lila22_82:

(6, 56656), (7, 56665), (Start: 8 @56671 has 13 MA's), (12, 56806), (15, 56851), (16, 56884),

Gene: Mima20_80 Start: 56146, Stop: 56406, Start Num: 8

Candidate Starts for Mima20_80:

(6, 56128), (7, 56140), (Start: 8 @56146 has 13 MA's), (12, 56281), (15, 56326), (16, 56359),

Gene: MoiGyank_85 Start: 56750, Stop: 57010, Start Num: 8

Candidate Starts for MoiGyank_85:

(6, 56732), (7, 56744), (Start: 8 @56750 has 13 MA's), (12, 56885), (15, 56930), (16, 56963),

Gene: Nettle_82 Start: 56501, Stop: 56761, Start Num: 8

Candidate Starts for Nettle_82:

(6, 56486), (7, 56495), (Start: 8 @56501 has 13 MA's), (15, 56681), (16, 56714),

Gene: Pywacket_79 Start: 56587, Stop: 56847, Start Num: 8

Candidate Starts for Pywacket_79:

(5, 56566), (6, 56569), (7, 56581), (Start: 8 @56587 has 13 MA's), (12, 56722), (15, 56767), (16, 56800),

Gene: Rukungu_83 Start: 56883, Stop: 57143, Start Num: 8

Candidate Starts for Rukungu_83:

(6, 56865), (7, 56877), (Start: 8 @56883 has 13 MA's), (15, 57063), (16, 57096),

Gene: Sadboi_82 Start: 56604, Stop: 56864, Start Num: 8

Candidate Starts for Sadboi_82:

(6, 56586), (7, 56598), (Start: 8 @56604 has 13 MA's), (12, 56739), (15, 56784), (16, 56817),

Gene: Sampudon_83 Start: 57196, Stop: 57456, Start Num: 8

Candidate Starts for Sampudon_83:

(6, 57178), (7, 57190), (Start: 8 @57196 has 13 MA's), (12, 57331), (14, 57370), (15, 57376), (16, 57409),

Gene: Xenia2_83 Start: 56285, Stop: 56524, Start Num: 11

Candidate Starts for Xenia2_83:

(5, 56225), (Start: 8 @56252 has 13 MA's), (10, 56282), (Start: 11 @56285 has 1 MA's), (12, 56399),
(13, 56426), (14, 56438), (15, 56444), (17, 56486),

Gene: Yikes_83 Start: 57050, Stop: 57310, Start Num: 8

Candidate Starts for Yikes_83:

(6, 57032), (7, 57044), (Start: 8 @57050 has 13 MA's), (12, 57185), (15, 57230), (16, 57263),