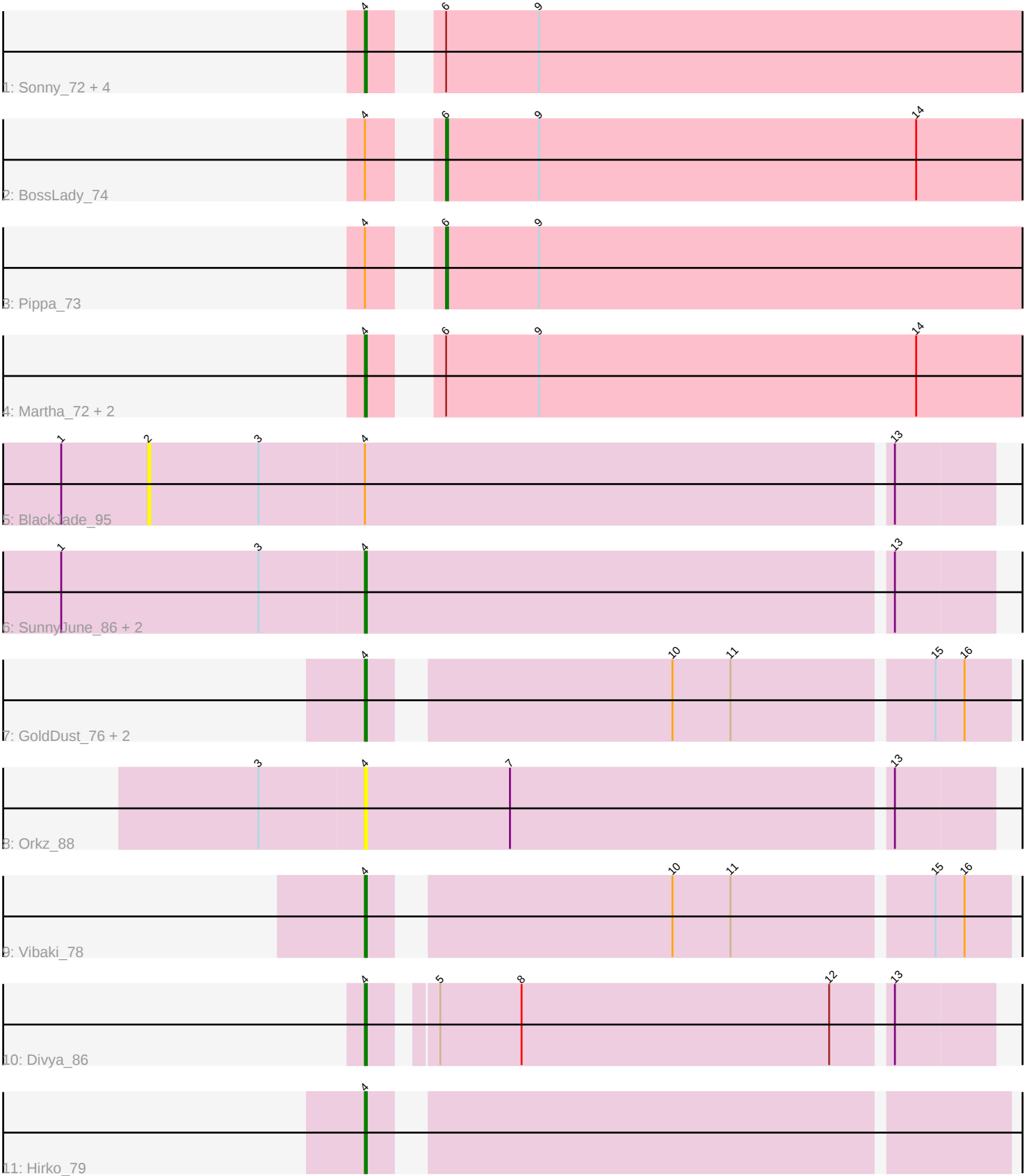


Pham 331246



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 331246 Report

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

Pham number 331246 has 21 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sonny_72, JKerns_72, Zartrosa_74, Jordan_73, Shade_72
- Track 2 : BossLady_74
- Track 3 : Pippa_73
- Track 4 : Martha_72, TaeYoung_73, Grekaycon_73
- Track 5 : BlackJade_95
- Track 6 : SunnyJune_86, AirForce1_86, Jinkies_84
- Track 7 : GoldDust_76, Music_81, Gooberta_77
- Track 8 : Orkz_88
- Track 9 : Vibaki_78
- Track 10 : Divya_86
- Track 11 : Hirko_79

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 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1_86, Divya_86, GoldDust_76, Gooberta_77, Grekaycon_73, Hirko_79, JKerns_72, Jinkies_84, Jordan_73, Martha_72, Music_81, Orkz_88, Shade_72, Sonny_72, SunnyJune_86, TaeYoung_73, Vibaki_78, Zartrosa_74,

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

- BlackJade_95, BossLady_74, Pippa_73,

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

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Summary by start number:

Start 2:

- Found in 1 of 21 (4.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BlackJade_95 (FL),

Start 4:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 18
- Called 85.7% of time when present
- Phage (with cluster) where this start called: AirForce1_86 (FL), Divya_86 (FL), GoldDust_76 (FL), Gooberta_77 (FL), Grekaycon_73 (AO2), Hirko_79 (FL), JKerns_72 (AO2), Jinkies_84 (FL), Jordan_73 (AO2), Martha_72 (AO2), Music_81 (FL), Orkz_88 (FL), Shade_72 (AO2), Sonny_72 (AO2), SunnyJune_86 (FL), TaeYoung_73 (AO2), Vibaki_78 (FL), Zartrosa_74 (AO2),

Start 6:

- Found in 10 of 21 (47.6%) of genes in pham
- Manual Annotations of this start: 2 of 18
- Called 20.0% of time when present
- Phage (with cluster) where this start called: BossLady_74 (AO2), Pippa_73 (AO2),

Summary by clusters:

There are 2 clusters represented in this pham: FL, AO2,

Info for manual annotations of cluster AO2:

- Start number 4 was manually annotated 8 times for cluster AO2.
- Start number 6 was manually annotated 2 times for cluster AO2.

Info for manual annotations of cluster FL:

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

Gene Information:

Gene: AirForce1_86 Start: 47421, Stop: 47104, Start Num: 4

Candidate Starts for AirForce1_86:

(1, 47577), (3, 47475), (Start: 4 @47421 has 16 MA's), (13, 47154),

Gene: BlackJade_95 Start: 49180, Stop: 48752, Start Num: 2

Candidate Starts for BlackJade_95:

(1, 49225), (2, 49180), (3, 49123), (Start: 4 @49069 has 16 MA's), (13, 48802),

Gene: BossLady_74 Start: 47057, Stop: 46746, Start Num: 6

Candidate Starts for BossLady_74:

(Start: 4 @47078 has 16 MA's), (Start: 6 @47057 has 2 MA's), (9, 47009), (14, 46814),

Gene: Divya_86 Start: 47623, Stop: 47318, Start Num: 4

Candidate Starts for Divya_86:

(Start: 4 @47623 has 16 MA's), (5, 47596), (8, 47554), (12, 47395), (13, 47368),

Gene: GoldDust_76 Start: 48481, Stop: 48173, Start Num: 4

Candidate Starts for GoldDust_76:

(Start: 4 @48481 has 16 MA's), (10, 48340), (11, 48310), (15, 48211), (16, 48196),

Gene: Gooberta_77 Start: 49208, Stop: 48900, Start Num: 4
Candidate Starts for Gooberta_77:
(Start: 4 @49208 has 16 MA's), (10, 49067), (11, 49037), (15, 48938), (16, 48923),

Gene: Grekaycon_73 Start: 46991, Stop: 46659, Start Num: 4
Candidate Starts for Grekaycon_73:
(Start: 4 @46991 has 16 MA's), (Start: 6 @46970 has 2 MA's), (9, 46922), (14, 46727),

Gene: Hirko_79 Start: 48513, Stop: 48205, Start Num: 4
Candidate Starts for Hirko_79:
(Start: 4 @48513 has 16 MA's),

Gene: JKerns_72 Start: 46983, Stop: 46651, Start Num: 4
Candidate Starts for JKerns_72:
(Start: 4 @46983 has 16 MA's), (Start: 6 @46962 has 2 MA's), (9, 46914),

Gene: Jinkies_84 Start: 48737, Stop: 48420, Start Num: 4
Candidate Starts for Jinkies_84:
(1, 48893), (3, 48791), (Start: 4 @48737 has 16 MA's), (13, 48470),

Gene: Jordan_73 Start: 47141, Stop: 46809, Start Num: 4
Candidate Starts for Jordan_73:
(Start: 4 @47141 has 16 MA's), (Start: 6 @47120 has 2 MA's), (9, 47072),

Gene: Martha_72 Start: 46927, Stop: 46595, Start Num: 4
Candidate Starts for Martha_72:
(Start: 4 @46927 has 16 MA's), (Start: 6 @46906 has 2 MA's), (9, 46858), (14, 46663),

Gene: Music_81 Start: 49006, Stop: 48698, Start Num: 4
Candidate Starts for Music_81:
(Start: 4 @49006 has 16 MA's), (10, 48865), (11, 48835), (15, 48736), (16, 48721),

Gene: Orkz_88 Start: 46496, Stop: 46179, Start Num: 4
Candidate Starts for Orkz_88:
(3, 46550), (Start: 4 @46496 has 16 MA's), (7, 46421), (13, 46229),

Gene: Pippa_73 Start: 46951, Stop: 46640, Start Num: 6
Candidate Starts for Pippa_73:
(Start: 4 @46972 has 16 MA's), (Start: 6 @46951 has 2 MA's), (9, 46903),

Gene: Shade_72 Start: 46747, Stop: 46415, Start Num: 4
Candidate Starts for Shade_72:
(Start: 4 @46747 has 16 MA's), (Start: 6 @46726 has 2 MA's), (9, 46678),

Gene: Sonny_72 Start: 46702, Stop: 46370, Start Num: 4
Candidate Starts for Sonny_72:
(Start: 4 @46702 has 16 MA's), (Start: 6 @46681 has 2 MA's), (9, 46633),

Gene: SunnyJune_86 Start: 47606, Stop: 47289, Start Num: 4
Candidate Starts for SunnyJune_86:
(1, 47762), (3, 47660), (Start: 4 @47606 has 16 MA's), (13, 47339),

Gene: TaeYoung_73 Start: 46899, Stop: 46567, Start Num: 4

Candidate Starts for TaeYoung_73:

(Start: 4 @46899 has 16 MA's), (Start: 6 @46878 has 2 MA's), (9, 46830), (14, 46635),

Gene: Vibaki_78 Start: 47924, Stop: 47616, Start Num: 4

Candidate Starts for Vibaki_78:

(Start: 4 @47924 has 16 MA's), (10, 47783), (11, 47753), (15, 47654), (16, 47639),

Gene: Zartrosa_74 Start: 46999, Stop: 46667, Start Num: 4

Candidate Starts for Zartrosa_74:

(Start: 4 @46999 has 16 MA's), (Start: 6 @46978 has 2 MA's), (9, 46930),