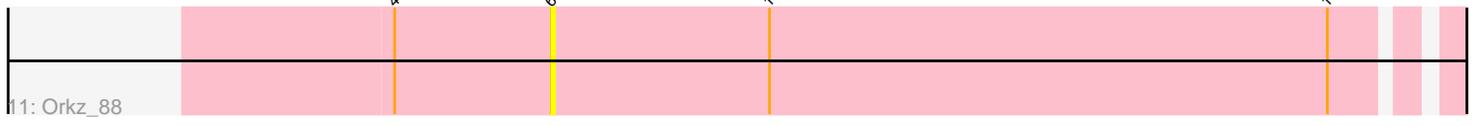
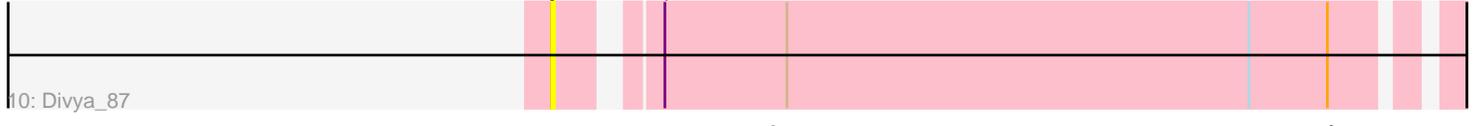
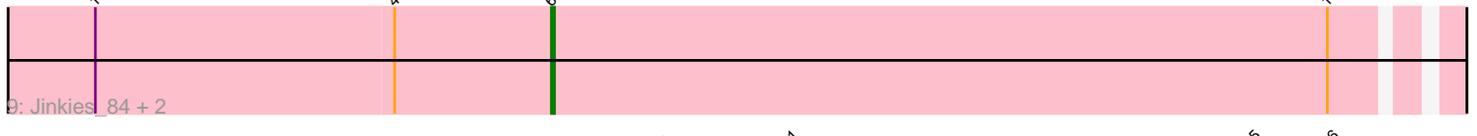
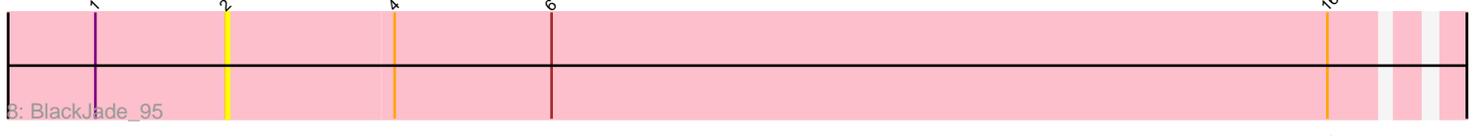
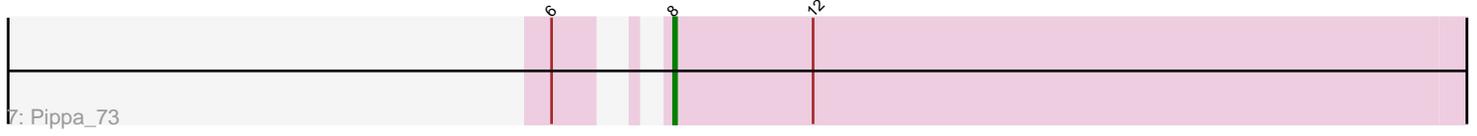
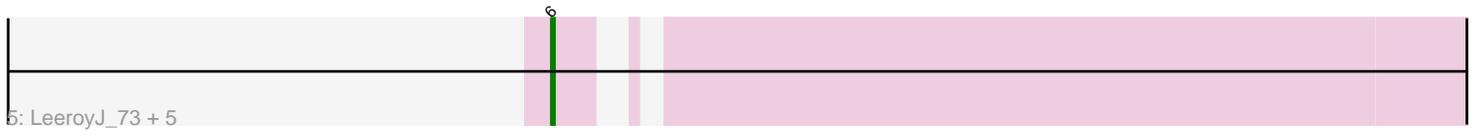
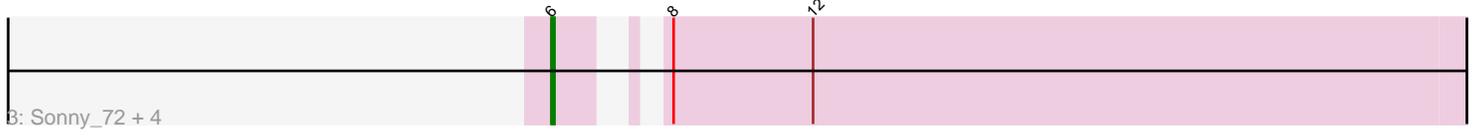
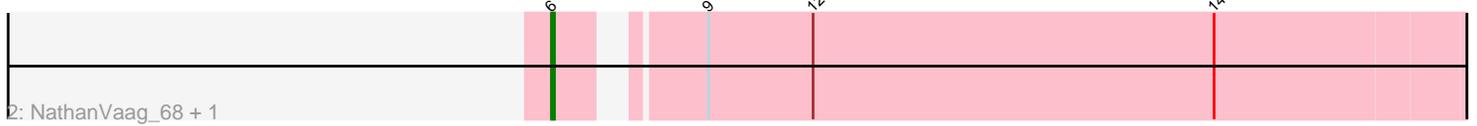
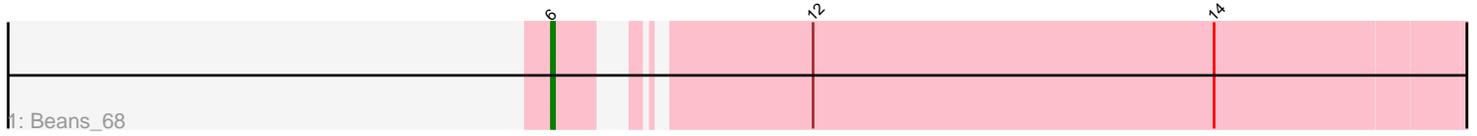


Pham 284111



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 284111 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284111 has 26 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Beans_68
- Track 2 : NathanVaag_68, Piccoletto_69
- Track 3 : Sonny_72, Jordan_73, Zartrosa_74, Shade_72, JKerns_72
- Track 4 : TaeYoung_73, Grekaycon_73, Martha_72
- Track 5 : LeeroyJ_73, GravityBall_72, StevieBAY_73, BigDome_72, Timinator_73, BarretLemon_72
- Track 6 : BossLady_74
- Track 7 : Pippa_73
- Track 8 : BlackJade_95
- Track 9 : Jinkies_84, SunnyJune_88, AirForce1_86
- Track 10 : Divya_87
- Track 11 : Orkz_88
- Track 12 : Vitus_81

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

The start number called the most often in the published annotations is 6, it was called in 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AirForce1_86, BarretLemon_72, Beans_68, BigDome_72, Divya_87, GravityBall_72, Grekaycon_73, JKerns_72, Jinkies_84, Jordan_73, LeeroyJ_73, Martha_72, NathanVaag_68, Orkz_88, Piccoletto_69, Shade_72, Sonny_72, StevieBAY_73, SunnyJune_88, TaeYoung_73, Timinator_73, Vitus_81, 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:

-

Summary by start number:

Start 2:

- Found in 1 of 26 (3.8%) 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 6:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 20
- Called 88.5% of time when present
- Phage (with cluster) where this start called: AirForce1_86 (FL), BarretLemon_72 (AO2), Beans_68 (AO1), BigDome_72 (AO2), Divya_87 (FL), GravityBall_72 (AO2), Grekaycon_73 (AO2), JKerns_72 (AO2), Jinkies_84 (FL), Jordan_73 (AO2), LeeroyJ_73 (AO2), Martha_72 (AO2), NathanVaag_68 (AO1), Orkz_88 (FL), Piccoletto_69 (AO1), Shade_72 (AO2), Sonny_72 (AO2), StevieBAY_73 (AO2), SunnyJune_88 (FL), TaeYoung_73 (AO2), Timinator_73 (AO2), Vitus_81 (FL), Zartrosa_74 (AO2),

Start 8:

- Found in 10 of 26 (38.5%) of genes in pham
- Manual Annotations of this start: 2 of 20
- 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 3 clusters represented in this pham: FL, AO2, AO1,

Info for manual annotations of cluster AO1:

- Start number 6 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 6 was manually annotated 13 times for cluster AO2.
- Start number 8 was manually annotated 2 times for cluster AO2.

Info for manual annotations of cluster FL:

- Start number 6 was manually annotated 2 times for cluster FL.

Gene Information:

Gene: AirForce1_86 Start: 47421, Stop: 47104, Start Num: 6

Candidate Starts for AirForce1_86:

(1, 47577), (4, 47475), (Start: 6 @47421 has 18 MA's), (16, 47154),

Gene: BarretLemon_72 Start: 46543, Stop: 46214, Start Num: 6

Candidate Starts for BarretLemon_72:

(Start: 6 @46543 has 18 MA's),

Gene: Beans_68 Start: 45863, Stop: 45561, Start Num: 6

Candidate Starts for Beans_68:

(Start: 6 @45863 has 18 MA's), (12, 45794), (14, 45656),

Gene: BigDome_72 Start: 46718, Stop: 46389, Start Num: 6

Candidate Starts for BigDome_72:

(Start: 6 @46718 has 18 MA's),

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

Candidate Starts for BlackJade_95:

(1, 49225), (2, 49180), (4, 49123), (Start: 6 @49069 has 18 MA's), (16, 48802),

Gene: BossLady_74 Start: 47057, Stop: 46746, Start Num: 8

Candidate Starts for BossLady_74:

(Start: 6 @47078 has 18 MA's), (Start: 8 @47057 has 2 MA's), (12, 47009), (17, 46814),

Gene: Divya_87 Start: 47623, Stop: 47318, Start Num: 6

Candidate Starts for Divya_87:

(Start: 6 @47623 has 18 MA's), (7, 47596), (11, 47554), (15, 47395), (16, 47368),

Gene: GravityBall_72 Start: 46734, Stop: 46405, Start Num: 6

Candidate Starts for GravityBall_72:

(Start: 6 @46734 has 18 MA's),

Gene: Grekaycon_73 Start: 46991, Stop: 46659, Start Num: 6

Candidate Starts for Grekaycon_73:

(Start: 6 @46991 has 18 MA's), (Start: 8 @46970 has 2 MA's), (12, 46922), (17, 46727),

Gene: JKerns_72 Start: 46983, Stop: 46651, Start Num: 6

Candidate Starts for JKerns_72:

(Start: 6 @46983 has 18 MA's), (Start: 8 @46962 has 2 MA's), (12, 46914),

Gene: Jinkies_84 Start: 48737, Stop: 48420, Start Num: 6

Candidate Starts for Jinkies_84:

(1, 48893), (4, 48791), (Start: 6 @48737 has 18 MA's), (16, 48470),

Gene: Jordan_73 Start: 47141, Stop: 46809, Start Num: 6

Candidate Starts for Jordan_73:

(Start: 6 @47141 has 18 MA's), (Start: 8 @47120 has 2 MA's), (12, 47072),

Gene: LeeroyJ_73 Start: 46660, Stop: 46331, Start Num: 6

Candidate Starts for LeeroyJ_73:

(Start: 6 @46660 has 18 MA's),

Gene: Martha_72 Start: 46927, Stop: 46595, Start Num: 6

Candidate Starts for Martha_72:

(Start: 6 @46927 has 18 MA's), (Start: 8 @46906 has 2 MA's), (12, 46858), (17, 46663),

Gene: NathanVaag_68 Start: 45795, Stop: 45487, Start Num: 6

Candidate Starts for NathanVaag_68:

(Start: 6 @45795 has 18 MA's), (9, 45756), (12, 45720), (14, 45582),

Gene: Orkz_88 Start: 46496, Stop: 46179, Start Num: 6

Candidate Starts for Orkz_88:

(4, 46550), (Start: 6 @46496 has 18 MA's), (10, 46421), (16, 46229),

Gene: Piccoletto_69 Start: 45957, Stop: 45649, Start Num: 6

Candidate Starts for Piccoletto_69:

(Start: 6 @45957 has 18 MA's), (9, 45918), (12, 45882), (14, 45744),

Gene: Pippa_73 Start: 46951, Stop: 46640, Start Num: 8

Candidate Starts for Pippa_73:

(Start: 6 @46972 has 18 MA's), (Start: 8 @46951 has 2 MA's), (12, 46903),

Gene: Shade_72 Start: 46747, Stop: 46415, Start Num: 6

Candidate Starts for Shade_72:

(Start: 6 @46747 has 18 MA's), (Start: 8 @46726 has 2 MA's), (12, 46678),

Gene: Sonny_72 Start: 46702, Stop: 46370, Start Num: 6

Candidate Starts for Sonny_72:

(Start: 6 @46702 has 18 MA's), (Start: 8 @46681 has 2 MA's), (12, 46633),

Gene: StevieBAY_73 Start: 46953, Stop: 46624, Start Num: 6

Candidate Starts for StevieBAY_73:

(Start: 6 @46953 has 18 MA's),

Gene: SunnyJune_88 Start: 47606, Stop: 47289, Start Num: 6

Candidate Starts for SunnyJune_88:

(1, 47762), (4, 47660), (Start: 6 @47606 has 18 MA's), (16, 47339),

Gene: TaeYoung_73 Start: 46899, Stop: 46567, Start Num: 6

Candidate Starts for TaeYoung_73:

(Start: 6 @46899 has 18 MA's), (Start: 8 @46878 has 2 MA's), (12, 46830), (17, 46635),

Gene: Timinator_73 Start: 46773, Stop: 46444, Start Num: 6

Candidate Starts for Timinator_73:

(Start: 6 @46773 has 18 MA's),

Gene: Vitus_81 Start: 47279, Stop: 46962, Start Num: 6

Candidate Starts for Vitus_81:

(3, 47342), (5, 47330), (Start: 6 @47279 has 18 MA's), (13, 47132), (16, 47024),

Gene: Zartrosa_74 Start: 46999, Stop: 46667, Start Num: 6

Candidate Starts for Zartrosa_74:

(Start: 6 @46999 has 18 MA's), (Start: 8 @46978 has 2 MA's), (12, 46930),