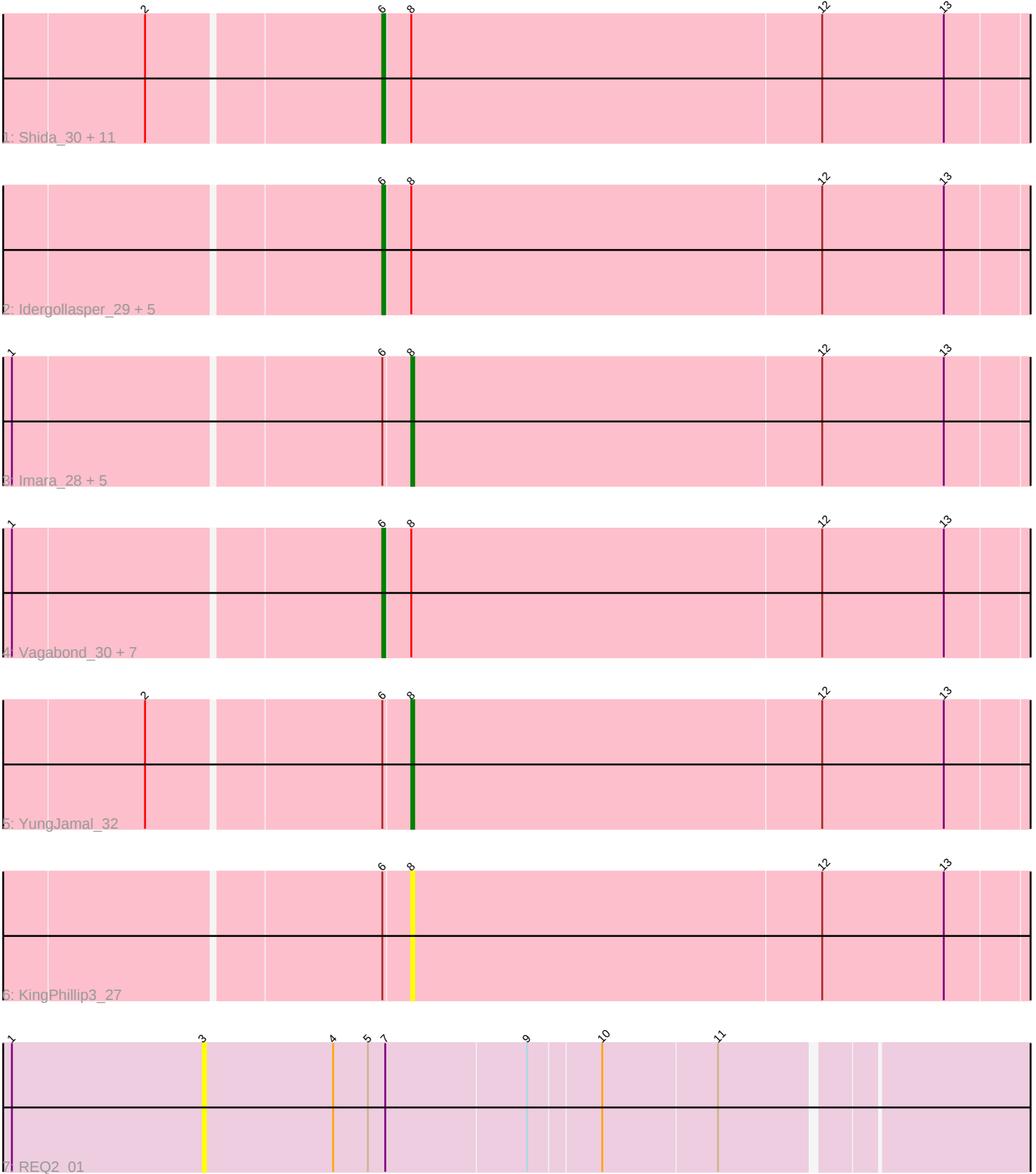


Pham 278410



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 278410 Report

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

Pham number 278410 has 35 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Shida_30, Corndog_31, Dylan_29, Mori_29, Firecracker_30, Vorrrps_29, NiebruSaylor_29, Zakhe101_30, Bora_27, Wildflower_30, Ashwin_31, Krili_29
- Track 2 : Idergollasper_29, JangDynasty_29, FoulBall_29, Murai_30, TelAviv_27, Familton_30
- Track 3 : Imara_28, SchoolBus_29, Ryadel_32, Catdawg_29, YoyoKar_28, Winget_30
- Track 4 : Vagabond_30, Schuy_31, Blessica_30, Zebo_29, Smooch_32, MadKillah_31, Alkhayr_30, Wogge42_29
- Track 5 : YungJamal_32
- Track 6 : KingPhillip3_27
- Track 7 : REQ2_01

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 25 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_30, Ashwin_31, Blessica_30, Bora_27, Corndog_31, Dylan_29, Familton_30, Firecracker_30, FoulBall_29, Idergollasper_29, JangDynasty_29, Krili_29, MadKillah_31, Mori_29, Murai_30, NiebruSaylor_29, Schuy_31, Shida_30, Smooch_32, TelAviv_27, Vagabond_30, Vorrrps_29, Wildflower_30, Wogge42_29, Zakhe101_30, Zebo_29,

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

- Catdawg_29, Imara_28, KingPhillip3_27, Ryadel_32, SchoolBus_29, Winget_30, YoyoKar_28, YungJamal_32,

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

- REQ2_01,

Summary by start number:

Start 3:

- Found in 1 of 35 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ2_01 (singleton),

Start 6:

- Found in 34 of 35 (97.1%) of genes in pham
- Manual Annotations of this start: 25 of 30
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Alkhayr_30 (O), Ashwin_31 (O), Blessica_30 (O), Bora_27 (O), Corndog_31 (O), Dylan_29 (O), Familton_30 (O), Firecracker_30 (O), FoulBall_29 (O), Idergollasper_29 (O), JangDynasty_29 (O), Krili_29 (O), MadKillah_31 (O), Mori_29 (O), Murai_30 (O), NiebruSaylor_29 (O), Schuy_31 (O), Shida_30 (O), Smooch_32 (O), TelAviv_27 (O), Vagabond_30 (O), Vorrrps_29 (O), Wildflower_30 (O), Wogge42_29 (O), Zakhe101_30 (O), Zebo_29 (O),

Start 8:

- Found in 34 of 35 (97.1%) of genes in pham
- Manual Annotations of this start: 5 of 30
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Catdawg_29 (O), Imara_28 (O), KingPhillip3_27 (O), Ryadel_32 (O), SchoolBus_29 (O), Winget_30 (O), YoyoKar_28 (O), YungJamal_32 (O),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, O,

Info for manual annotations of cluster O:

- Start number 6 was manually annotated 25 times for cluster O.
- Start number 8 was manually annotated 5 times for cluster O.

Gene Information:

Gene: Alkhayr_30 Start: 13181, Stop: 13480, Start Num: 6

Candidate Starts for Alkhayr_30:

(1, 13058), (Start: 6 @13181 has 25 MA's), (Start: 8 @13190 has 5 MA's), (12, 13331), (13, 13373),

Gene: Ashwin_31 Start: 13191, Stop: 13490, Start Num: 6

Candidate Starts for Ashwin_31:

(2, 13113), (Start: 6 @13191 has 25 MA's), (Start: 8 @13200 has 5 MA's), (12, 13341), (13, 13383),

Gene: Blessica_30 Start: 13214, Stop: 13513, Start Num: 6

Candidate Starts for Blessica_30:

(1, 13091), (Start: 6 @13214 has 25 MA's), (Start: 8 @13223 has 5 MA's), (12, 13364), (13, 13406),

Gene: Bora_27 Start: 12644, Stop: 12943, Start Num: 6

Candidate Starts for Bora_27:

(2, 12566), (Start: 6 @12644 has 25 MA's), (Start: 8 @12653 has 5 MA's), (12, 12794), (13, 12836),

Gene: Catdawg_29 Start: 12829, Stop: 13119, Start Num: 8

Candidate Starts for Catdawg_29:

(1, 12697), (Start: 6 @12820 has 25 MA's), (Start: 8 @12829 has 5 MA's), (12, 12970), (13, 13012),

Gene: Corndog_31 Start: 13270, Stop: 13569, Start Num: 6

Candidate Starts for Corndog_31:

(2, 13192), (Start: 6 @13270 has 25 MA's), (Start: 8 @13279 has 5 MA's), (12, 13420), (13, 13462),

Gene: Dylan_29 Start: 12996, Stop: 13295, Start Num: 6

Candidate Starts for Dylan_29:

(2, 12918), (Start: 6 @12996 has 25 MA's), (Start: 8 @13005 has 5 MA's), (12, 13146), (13, 13188),

Gene: Familton_30 Start: 12824, Stop: 13123, Start Num: 6

Candidate Starts for Familton_30:

(Start: 6 @12824 has 25 MA's), (Start: 8 @12833 has 5 MA's), (12, 12974), (13, 13016),

Gene: Firecracker_30 Start: 12894, Stop: 13193, Start Num: 6

Candidate Starts for Firecracker_30:

(2, 12816), (Start: 6 @12894 has 25 MA's), (Start: 8 @12903 has 5 MA's), (12, 13044), (13, 13086),

Gene: FoulBall_29 Start: 12818, Stop: 13117, Start Num: 6

Candidate Starts for FoulBall_29:

(Start: 6 @12818 has 25 MA's), (Start: 8 @12827 has 5 MA's), (12, 12968), (13, 13010),

Gene: Idergollasper_29 Start: 12818, Stop: 13117, Start Num: 6

Candidate Starts for Idergollasper_29:

(Start: 6 @12818 has 25 MA's), (Start: 8 @12827 has 5 MA's), (12, 12968), (13, 13010),

Gene: Imara_28 Start: 13076, Stop: 13366, Start Num: 8

Candidate Starts for Imara_28:

(1, 12944), (Start: 6 @13067 has 25 MA's), (Start: 8 @13076 has 5 MA's), (12, 13217), (13, 13259),

Gene: JangDynasty_29 Start: 12913, Stop: 13212, Start Num: 6

Candidate Starts for JangDynasty_29:

(Start: 6 @12913 has 25 MA's), (Start: 8 @12922 has 5 MA's), (12, 13063), (13, 13105),

Gene: KingPhillip3_27 Start: 12827, Stop: 13117, Start Num: 8

Candidate Starts for KingPhillip3_27:

(Start: 6 @12818 has 25 MA's), (Start: 8 @12827 has 5 MA's), (12, 12968), (13, 13010),

Gene: Krili_29 Start: 12988, Stop: 13287, Start Num: 6

Candidate Starts for Krili_29:

(2, 12910), (Start: 6 @12988 has 25 MA's), (Start: 8 @12997 has 5 MA's), (12, 13138), (13, 13180),

Gene: MadKillah_31 Start: 13207, Stop: 13506, Start Num: 6

Candidate Starts for MadKillah_31:

(1, 13084), (Start: 6 @13207 has 25 MA's), (Start: 8 @13216 has 5 MA's), (12, 13357), (13, 13399),

Gene: Mori_29 Start: 12859, Stop: 13158, Start Num: 6

Candidate Starts for Mori_29:

(2, 12781), (Start: 6 @12859 has 25 MA's), (Start: 8 @12868 has 5 MA's), (12, 13009), (13, 13051),

Gene: Murai_30 Start: 13049, Stop: 13348, Start Num: 6

Candidate Starts for Murai_30:

(Start: 6 @13049 has 25 MA's), (Start: 8 @13058 has 5 MA's), (12, 13199), (13, 13241),

Gene: NiebruSaylor_29 Start: 12860, Stop: 13159, Start Num: 6

Candidate Starts for NiebruSaylor_29:

(2, 12782), (Start: 6 @12860 has 25 MA's), (Start: 8 @12869 has 5 MA's), (12, 13010), (13, 13052),

Gene: REQ2_01 Start: 71, Stop: 421, Start Num: 3

Candidate Starts for REQ2_01:

(1, 5), (3, 71), (4, 116), (5, 128), (7, 134), (9, 182), (10, 206), (11, 245),

Gene: Ryadel_32 Start: 13643, Stop: 13933, Start Num: 8

Candidate Starts for Ryadel_32:

(1, 13511), (Start: 6 @13634 has 25 MA's), (Start: 8 @13643 has 5 MA's), (12, 13784), (13, 13826),

Gene: SchoolBus_29 Start: 12830, Stop: 13120, Start Num: 8

Candidate Starts for SchoolBus_29:

(1, 12698), (Start: 6 @12821 has 25 MA's), (Start: 8 @12830 has 5 MA's), (12, 12971), (13, 13013),

Gene: Schuy_31 Start: 13207, Stop: 13506, Start Num: 6

Candidate Starts for Schuy_31:

(1, 13084), (Start: 6 @13207 has 25 MA's), (Start: 8 @13216 has 5 MA's), (12, 13357), (13, 13399),

Gene: Shida_30 Start: 13114, Stop: 13413, Start Num: 6

Candidate Starts for Shida_30:

(2, 13036), (Start: 6 @13114 has 25 MA's), (Start: 8 @13123 has 5 MA's), (12, 13264), (13, 13306),

Gene: Smooch_32 Start: 14365, Stop: 14664, Start Num: 6

Candidate Starts for Smooch_32:

(1, 14242), (Start: 6 @14365 has 25 MA's), (Start: 8 @14374 has 5 MA's), (12, 14515), (13, 14557),

Gene: TelAviv_27 Start: 12815, Stop: 13114, Start Num: 6

Candidate Starts for TelAviv_27:

(Start: 6 @12815 has 25 MA's), (Start: 8 @12824 has 5 MA's), (12, 12965), (13, 13007),

Gene: Vagabond_30 Start: 13088, Stop: 13387, Start Num: 6

Candidate Starts for Vagabond_30:

(1, 12965), (Start: 6 @13088 has 25 MA's), (Start: 8 @13097 has 5 MA's), (12, 13238), (13, 13280),

Gene: Vorrps_29 Start: 12860, Stop: 13159, Start Num: 6

Candidate Starts for Vorrps_29:

(2, 12782), (Start: 6 @12860 has 25 MA's), (Start: 8 @12869 has 5 MA's), (12, 13010), (13, 13052),

Gene: Wildflower_30 Start: 12855, Stop: 13154, Start Num: 6

Candidate Starts for Wildflower_30:

(2, 12777), (Start: 6 @12855 has 25 MA's), (Start: 8 @12864 has 5 MA's), (12, 13005), (13, 13047),

Gene: Winget_30 Start: 13096, Stop: 13386, Start Num: 8

Candidate Starts for Winget_30:

(1, 12964), (Start: 6 @13087 has 25 MA's), (Start: 8 @13096 has 5 MA's), (12, 13237), (13, 13279),

Gene: Wogge42_29 Start: 13177, Stop: 13476, Start Num: 6

Candidate Starts for Wogge42_29:

(1, 13054), (Start: 6 @13177 has 25 MA's), (Start: 8 @13186 has 5 MA's), (12, 13327), (13, 13369),

Gene: YoyoKar_28 Start: 12831, Stop: 13121, Start Num: 8

Candidate Starts for YoyoKar_28:

(1, 12699), (Start: 6 @12822 has 25 MA's), (Start: 8 @12831 has 5 MA's), (12, 12972), (13, 13014),

Gene: YungJamal_32 Start: 13159, Stop: 13449, Start Num: 8

Candidate Starts for YungJamal_32:

(2, 13072), (Start: 6 @13150 has 25 MA's), (Start: 8 @13159 has 5 MA's), (12, 13300), (13, 13342),

Gene: Zakhe101_30 Start: 13000, Stop: 13299, Start Num: 6

Candidate Starts for Zakhe101_30:

(2, 12922), (Start: 6 @13000 has 25 MA's), (Start: 8 @13009 has 5 MA's), (12, 13150), (13, 13192),

Gene: Zebo_29 Start: 12821, Stop: 13120, Start Num: 6

Candidate Starts for Zebo_29:

(1, 12698), (Start: 6 @12821 has 25 MA's), (Start: 8 @12830 has 5 MA's), (12, 12971), (13, 13013),