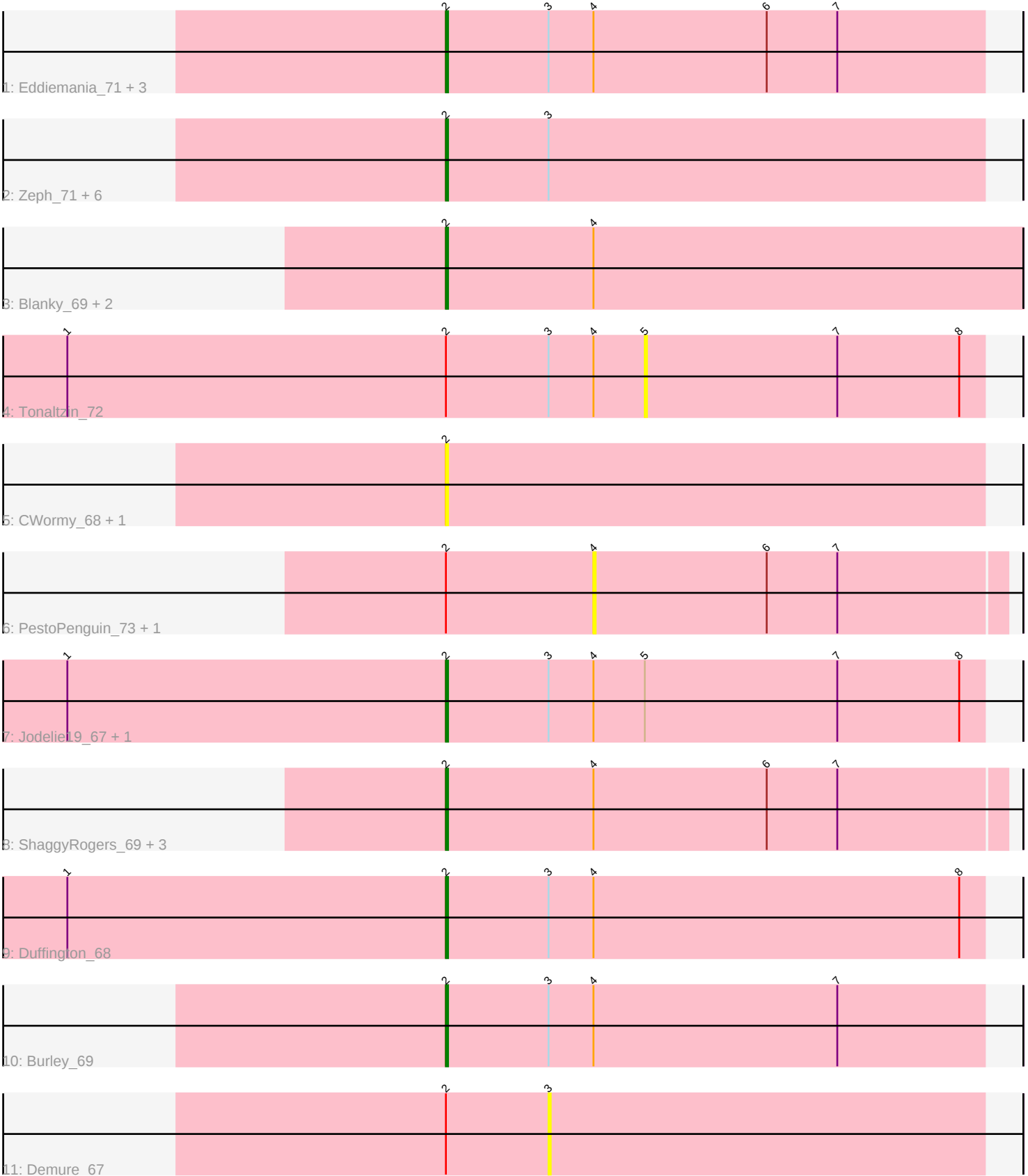


Pham 274589



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 274589 Report

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

Pham number 274589 has 28 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Eddiemania_71, Kenosha_68, Phepper_70, Vardy_68
- Track 2 : Zeph_71, Arataki_68, Hydrus_71, Untouchable_71, Runhaar_69, Nadmeg_70, Madvan_69
- Track 3 : Blanky_69, OhMyWard_68, Mossy_72
- Track 4 : Tonaltzin_72
- Track 5 : CWormy_68, Dialga_69
- Track 6 : PestoPenguin_73, Aloe25_72
- Track 7 : Jodelie19_67, TenaciousP_69
- Track 8 : ShaggyRogers_69, Crocheter_69, BetterYeti_69, Gusicorn_70
- Track 9 : Duffington_68
- Track 10 : Burley_69
- Track 11 : Demure_67

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arataki_68, BetterYeti_69, Blanky_69, Burley_69, CWormy_68, Crocheter_69, Dialga_69, Duffington_68, Eddiemania_71, Gusicorn_70, Hydrus_71, Jodelie19_67, Kenosha_68, Madvan_69, Mossy_72, Nadmeg_70, OhMyWard_68, Phepper_70, Runhaar_69, ShaggyRogers_69, TenaciousP_69, Untouchable_71, Vardy_68, Zeph_71,

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

- Aloe25_72, Demure_67, PestoPenguin_73, Tonaltzin_72,

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

-

Summary by start number:

Start 2:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Arataki_68 (DJ), BetterYeti_69 (DJ), Blanky_69 (DJ), Burley_69 (DJ), CWormy_68 (DJ), Crocheter_69 (DJ), Dialga_69 (DJ), Duffington_68 (DJ), Eddiemania_71 (DJ), Gusicorn_70 (DJ), Hydrus_71 (DJ), Jodelie19_67 (DJ), Kenosha_68 (DJ), Madvan_69 (DJ), Mossy_72 (DJ), Nadmeg_70 (DJ), OhMyWard_68 (DJ), Phepper_70 (DJ), Runhaar_69 (DJ), ShaggyRogers_69 (DJ), TenaciousP_69 (DJ), Untouchable_71 (DJ), Vardy_68 (DJ), Zeph_71 (DJ),

Start 3:

- Found in 17 of 28 (60.7%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Demure_67 (DJ),

Start 4:

- Found in 18 of 28 (64.3%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Aloe25_72 (DJ), PestoPenguin_73 (DJ),

Start 5:

- Found in 3 of 28 (10.7%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Tonaltzin_72 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 2 was manually annotated 21 times for cluster DJ.

Gene Information:

Gene: Aloe25_72 Start: 49277, Stop: 49468, Start Num: 4

Candidate Starts for Aloe25_72:

(Start: 2 @49208 has 21 MA's), (4, 49277), (6, 49358), (7, 49391),

Gene: Arataki_68 Start: 48852, Stop: 49103, Start Num: 2

Candidate Starts for Arataki_68:

(Start: 2 @48852 has 21 MA's), (3, 48900),

Gene: BetterYeti_69 Start: 49207, Stop: 49467, Start Num: 2

Candidate Starts for BetterYeti_69:

(Start: 2 @49207 has 21 MA's), (4, 49276), (6, 49357), (7, 49390),

Gene: Blanky_69 Start: 50681, Stop: 50950, Start Num: 2

Candidate Starts for Blanky_69:

(Start: 2 @50681 has 21 MA's), (4, 50750),

Gene: Burley_69 Start: 48871, Stop: 49122, Start Num: 2

Candidate Starts for Burley_69:

(Start: 2 @48871 has 21 MA's), (3, 48919), (4, 48940), (7, 49054),

Gene: CWormy_68 Start: 48829, Stop: 49080, Start Num: 2

Candidate Starts for CWormy_68:

(Start: 2 @48829 has 21 MA's),

Gene: Crocheter_69 Start: 49301, Stop: 49561, Start Num: 2

Candidate Starts for Crocheter_69:

(Start: 2 @49301 has 21 MA's), (4, 49370), (6, 49451), (7, 49484),

Gene: Demure_67 Start: 48900, Stop: 49103, Start Num: 3

Candidate Starts for Demure_67:

(Start: 2 @48852 has 21 MA's), (3, 48900),

Gene: Dialga_69 Start: 49434, Stop: 49685, Start Num: 2

Candidate Starts for Dialga_69:

(Start: 2 @49434 has 21 MA's),

Gene: Duffington_68 Start: 49385, Stop: 49636, Start Num: 2

Candidate Starts for Duffington_68:

(1, 49208), (Start: 2 @49385 has 21 MA's), (3, 49433), (4, 49454), (8, 49625),

Gene: Eddiemania_71 Start: 50060, Stop: 50311, Start Num: 2

Candidate Starts for Eddiemania_71:

(Start: 2 @50060 has 21 MA's), (3, 50108), (4, 50129), (6, 50210), (7, 50243),

Gene: Gusicorn_70 Start: 49208, Stop: 49468, Start Num: 2

Candidate Starts for Gusicorn_70:

(Start: 2 @49208 has 21 MA's), (4, 49277), (6, 49358), (7, 49391),

Gene: Hydrus_71 Start: 50036, Stop: 50287, Start Num: 2

Candidate Starts for Hydrus_71:

(Start: 2 @50036 has 21 MA's), (3, 50084),

Gene: Jodelie19_67 Start: 50615, Stop: 50866, Start Num: 2

Candidate Starts for Jodelie19_67:

(1, 50438), (Start: 2 @50615 has 21 MA's), (3, 50663), (4, 50684), (5, 50708), (7, 50798), (8, 50855),

Gene: Kenosha_68 Start: 49462, Stop: 49713, Start Num: 2

Candidate Starts for Kenosha_68:

(Start: 2 @49462 has 21 MA's), (3, 49510), (4, 49531), (6, 49612), (7, 49645),

Gene: Madvan_69 Start: 48924, Stop: 49175, Start Num: 2

Candidate Starts for Madvan_69:

(Start: 2 @48924 has 21 MA's), (3, 48972),

Gene: Mossy_72 Start: 50893, Stop: 51162, Start Num: 2

Candidate Starts for Mossy_72:

(Start: 2 @50893 has 21 MA's), (4, 50962),

Gene: Nadmeg_70 Start: 50153, Stop: 50404, Start Num: 2

Candidate Starts for Nadmeg_70:

(Start: 2 @50153 has 21 MA's), (3, 50201),

Gene: OhMyWard_68 Start: 50652, Stop: 50921, Start Num: 2

Candidate Starts for OhMyWard_68:

(Start: 2 @50652 has 21 MA's), (4, 50721),

Gene: PestoPenguin_73 Start: 49277, Stop: 49468, Start Num: 4

Candidate Starts for PestoPenguin_73:

(Start: 2 @49208 has 21 MA's), (4, 49277), (6, 49358), (7, 49391),

Gene: Phepper_70 Start: 49166, Stop: 49417, Start Num: 2

Candidate Starts for Phepper_70:

(Start: 2 @49166 has 21 MA's), (3, 49214), (4, 49235), (6, 49316), (7, 49349),

Gene: Runhaar_69 Start: 48975, Stop: 49226, Start Num: 2

Candidate Starts for Runhaar_69:

(Start: 2 @48975 has 21 MA's), (3, 49023),

Gene: ShaggyRogers_69 Start: 48944, Stop: 49204, Start Num: 2

Candidate Starts for ShaggyRogers_69:

(Start: 2 @48944 has 21 MA's), (4, 49013), (6, 49094), (7, 49127),

Gene: TenaciousP_69 Start: 50577, Stop: 50828, Start Num: 2

Candidate Starts for TenaciousP_69:

(1, 50400), (Start: 2 @50577 has 21 MA's), (3, 50625), (4, 50646), (5, 50670), (7, 50760), (8, 50817),

Gene: Tonaltzin_72 Start: 49240, Stop: 49398, Start Num: 5

Candidate Starts for Tonaltzin_72:

(1, 48970), (Start: 2 @49147 has 21 MA's), (3, 49195), (4, 49216), (5, 49240), (7, 49330), (8, 49387),

Gene: Untouchable_71 Start: 50163, Stop: 50414, Start Num: 2

Candidate Starts for Untouchable_71:

(Start: 2 @50163 has 21 MA's), (3, 50211),

Gene: Vardy_68 Start: 48865, Stop: 49116, Start Num: 2

Candidate Starts for Vardy_68:

(Start: 2 @48865 has 21 MA's), (3, 48913), (4, 48934), (6, 49015), (7, 49048),

Gene: Zeph_71 Start: 50003, Stop: 50254, Start Num: 2

Candidate Starts for Zeph_71:

(Start: 2 @50003 has 21 MA's), (3, 50051),