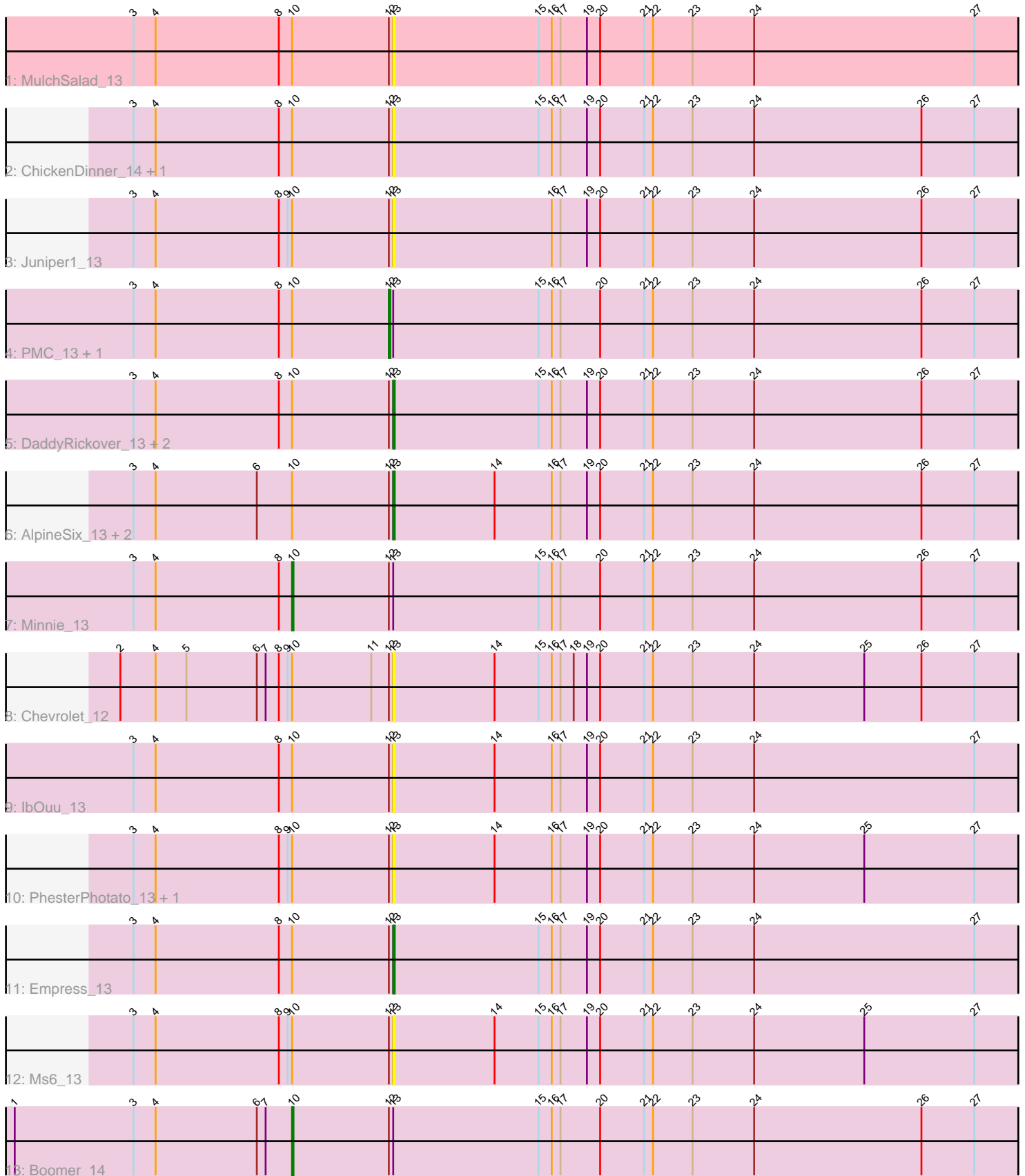


Pham 166967



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 166967 Report

This analysis was run 07/09/24 on database version 566.

Pham number 166967 has 20 members, 13 are drafts.

Phages represented in each track:

- Track 1 : MulchSalad_13
- Track 2 : ChickenDinner_14, DocMcStuffins_14
- Track 3 : Juniper1_13
- Track 4 : PMC_13, Llij_13
- Track 5 : DaddyRickover_13, RedBird_13, Deb65_13
- Track 6 : AlpineSix_13, Oksu_14, Jinglebell_13
- Track 7 : Minnie_13
- Track 8 : Chevrolet_12
- Track 9 : IbOuu_13
- Track 10 : PhesterPhotato_13, Fastidio_13
- Track 11 : Empress_13
- Track 12 : Ms6_13
- Track 13 : Boomer_14

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlpineSix_13, Chevrolet_12, ChickenDinner_14, DaddyRickover_13, Deb65_13, DocMcStuffins_14, Empress_13, Fastidio_13, IbOuu_13, Jinglebell_13, Juniper1_13, Ms6_13, MulchSalad_13, Oksu_14, PhesterPhotato_13, RedBird_13,

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

- Boomer_14, Llij_13, Minnie_13, PMC_13,

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

-

Summary by start number:

Start 10:

- Found in 20 of 20 (100.0%) of genes in pham

- Manual Annotations of this start: 2 of 7
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Boomer_14 (F1), Minnie_13 (F1),

Start 12:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Llij_13 (F1), PMC_13 (F1),

Start 13:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 80.0% of time when present
- Phage (with cluster) where this start called: AlpineSix_13 (F1), Chevrolet_12 (F1), ChickenDinner_14 (F1), DaddyRickover_13 (F1), Deb65_13 (F1), DocMcStuffins_14 (F1), Empress_13 (F1), Fastidio_13 (F1), IbOuu_13 (F1), Jinglebell_13 (F1), Juniper1_13 (F1), Ms6_13 (F1), MulchSalad_13 (F), Oksu_14 (F1), PhesterPhotato_13 (F1), RedBird_13 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F,

Info for manual annotations of cluster F1:

- Start number 10 was manually annotated 2 times for cluster F1.
- Start number 12 was manually annotated 2 times for cluster F1.
- Start number 13 was manually annotated 3 times for cluster F1.

Gene Information:

Gene: AlpineSix_13 Start: 9037, Stop: 9471, Start Num: 13

Candidate Starts for AlpineSix_13:

(3, 8860), (4, 8875), (6, 8944), (Start: 10 @8968 has 2 MA's), (Start: 12 @9034 has 2 MA's), (Start: 13 @9037 has 3 MA's), (14, 9106), (16, 9145), (17, 9151), (19, 9169), (20, 9178), (21, 9208), (22, 9214), (23, 9241), (24, 9283), (26, 9397), (27, 9433),

Gene: Boomer_14 Start: 8822, Stop: 9325, Start Num: 10

Candidate Starts for Boomer_14:

(1, 8633), (3, 8714), (4, 8729), (6, 8798), (7, 8804), (Start: 10 @8822 has 2 MA's), (Start: 12 @8888 has 2 MA's), (Start: 13 @8891 has 3 MA's), (15, 8990), (16, 8999), (17, 9005), (20, 9032), (21, 9062), (22, 9068), (23, 9095), (24, 9137), (26, 9251), (27, 9287),

Gene: Chevrolet_12 Start: 9069, Stop: 9503, Start Num: 13

Candidate Starts for Chevrolet_12:

(2, 8883), (4, 8907), (5, 8928), (6, 8976), (7, 8982), (8, 8991), (9, 8997), (Start: 10 @9000 has 2 MA's), (11, 9054), (Start: 12 @9066 has 2 MA's), (Start: 13 @9069 has 3 MA's), (14, 9138), (15, 9168), (16, 9177), (17, 9183), (18, 9192), (19, 9201), (20, 9210), (21, 9240), (22, 9246), (23, 9273), (24, 9315), (25, 9390), (26, 9429), (27, 9465),

Gene: ChickenDinner_14 Start: 8901, Stop: 9335, Start Num: 13

Candidate Starts for ChickenDinner_14:

(3, 8724), (4, 8739), (8, 8823), (Start: 10 @8832 has 2 MA's), (Start: 12 @8898 has 2 MA's), (Start: 13 @8901 has 3 MA's), (15, 9000), (16, 9009), (17, 9015), (19, 9033), (20, 9042), (21, 9072), (22, 9078), (23, 9105), (24, 9147), (26, 9261), (27, 9297),

Gene: DaddyRickover_13 Start: 9034, Stop: 9468, Start Num: 13

Candidate Starts for DaddyRickover_13:

(3, 8857), (4, 8872), (8, 8956), (Start: 10 @8965 has 2 MA's), (Start: 12 @9031 has 2 MA's), (Start: 13 @9034 has 3 MA's), (15, 9133), (16, 9142), (17, 9148), (19, 9166), (20, 9175), (21, 9205), (22, 9211), (23, 9238), (24, 9280), (26, 9394), (27, 9430),

Gene: Deb65_13 Start: 9034, Stop: 9468, Start Num: 13

Candidate Starts for Deb65_13:

(3, 8857), (4, 8872), (8, 8956), (Start: 10 @8965 has 2 MA's), (Start: 12 @9031 has 2 MA's), (Start: 13 @9034 has 3 MA's), (15, 9133), (16, 9142), (17, 9148), (19, 9166), (20, 9175), (21, 9205), (22, 9211), (23, 9238), (24, 9280), (26, 9394), (27, 9430),

Gene: DocMcStuffins_14 Start: 8901, Stop: 9335, Start Num: 13

Candidate Starts for DocMcStuffins_14:

(3, 8724), (4, 8739), (8, 8823), (Start: 10 @8832 has 2 MA's), (Start: 12 @8898 has 2 MA's), (Start: 13 @8901 has 3 MA's), (15, 9000), (16, 9009), (17, 9015), (19, 9033), (20, 9042), (21, 9072), (22, 9078), (23, 9105), (24, 9147), (26, 9261), (27, 9297),

Gene: Empress_13 Start: 9055, Stop: 9489, Start Num: 13

Candidate Starts for Empress_13:

(3, 8878), (4, 8893), (8, 8977), (Start: 10 @8986 has 2 MA's), (Start: 12 @9052 has 2 MA's), (Start: 13 @9055 has 3 MA's), (15, 9154), (16, 9163), (17, 9169), (19, 9187), (20, 9196), (21, 9226), (22, 9232), (23, 9259), (24, 9301), (27, 9451),

Gene: Fastidio_13 Start: 9048, Stop: 9482, Start Num: 13

Candidate Starts for Fastidio_13:

(3, 8871), (4, 8886), (8, 8970), (9, 8976), (Start: 10 @8979 has 2 MA's), (Start: 12 @9045 has 2 MA's), (Start: 13 @9048 has 3 MA's), (14, 9117), (16, 9156), (17, 9162), (19, 9180), (20, 9189), (21, 9219), (22, 9225), (23, 9252), (24, 9294), (25, 9369), (27, 9444),

Gene: lbOuu_13 Start: 9033, Stop: 9467, Start Num: 13

Candidate Starts for lbOuu_13:

(3, 8856), (4, 8871), (8, 8955), (Start: 10 @8964 has 2 MA's), (Start: 12 @9030 has 2 MA's), (Start: 13 @9033 has 3 MA's), (14, 9102), (16, 9141), (17, 9147), (19, 9165), (20, 9174), (21, 9204), (22, 9210), (23, 9237), (24, 9279), (27, 9429),

Gene: Jinglebell_13 Start: 9037, Stop: 9471, Start Num: 13

Candidate Starts for Jinglebell_13:

(3, 8860), (4, 8875), (6, 8944), (Start: 10 @8968 has 2 MA's), (Start: 12 @9034 has 2 MA's), (Start: 13 @9037 has 3 MA's), (14, 9106), (16, 9145), (17, 9151), (19, 9169), (20, 9178), (21, 9208), (22, 9214), (23, 9241), (24, 9283), (26, 9397), (27, 9433),

Gene: Juniper1_13 Start: 9031, Stop: 9465, Start Num: 13

Candidate Starts for Juniper1_13:

(3, 8854), (4, 8869), (8, 8953), (9, 8959), (Start: 10 @8962 has 2 MA's), (Start: 12 @9028 has 2 MA's), (Start: 13 @9031 has 3 MA's), (16, 9139), (17, 9145), (19, 9163), (20, 9172), (21, 9202), (22, 9208), (23, 9235), (24, 9277), (26, 9391), (27, 9427),

Gene: Llij_13 Start: 9048, Stop: 9485, Start Num: 12

Candidate Starts for Llij_13:

(3, 8874), (4, 8889), (8, 8973), (Start: 10 @8982 has 2 MA's), (Start: 12 @9048 has 2 MA's), (Start: 13 @9051 has 3 MA's), (15, 9150), (16, 9159), (17, 9165), (20, 9192), (21, 9222), (22, 9228), (23, 9255), (24, 9297), (26, 9411), (27, 9447),

Gene: Minnie_13 Start: 8982, Stop: 9485, Start Num: 10

Candidate Starts for Minnie_13:

(3, 8874), (4, 8889), (8, 8973), (Start: 10 @8982 has 2 MA's), (Start: 12 @9048 has 2 MA's), (Start: 13 @9051 has 3 MA's), (15, 9150), (16, 9159), (17, 9165), (20, 9192), (21, 9222), (22, 9228), (23, 9255), (24, 9297), (26, 9411), (27, 9447),

Gene: Ms6_13 Start: 9079, Stop: 9513, Start Num: 13

Candidate Starts for Ms6_13:

(3, 8902), (4, 8917), (8, 9001), (9, 9007), (Start: 10 @9010 has 2 MA's), (Start: 12 @9076 has 2 MA's), (Start: 13 @9079 has 3 MA's), (14, 9148), (15, 9178), (16, 9187), (17, 9193), (19, 9211), (20, 9220), (21, 9250), (22, 9256), (23, 9283), (24, 9325), (25, 9400), (27, 9475),

Gene: MulchSalad_13 Start: 9051, Stop: 9485, Start Num: 13

Candidate Starts for MulchSalad_13:

(3, 8874), (4, 8889), (8, 8973), (Start: 10 @8982 has 2 MA's), (Start: 12 @9048 has 2 MA's), (Start: 13 @9051 has 3 MA's), (15, 9150), (16, 9159), (17, 9165), (19, 9183), (20, 9192), (21, 9222), (22, 9228), (23, 9255), (24, 9297), (27, 9447),

Gene: Oksu_14 Start: 8900, Stop: 9334, Start Num: 13

Candidate Starts for Oksu_14:

(3, 8723), (4, 8738), (6, 8807), (Start: 10 @8831 has 2 MA's), (Start: 12 @8897 has 2 MA's), (Start: 13 @8900 has 3 MA's), (14, 8969), (16, 9008), (17, 9014), (19, 9032), (20, 9041), (21, 9071), (22, 9077), (23, 9104), (24, 9146), (26, 9260), (27, 9296),

Gene: PMC_13 Start: 9048, Stop: 9485, Start Num: 12

Candidate Starts for PMC_13:

(3, 8874), (4, 8889), (8, 8973), (Start: 10 @8982 has 2 MA's), (Start: 12 @9048 has 2 MA's), (Start: 13 @9051 has 3 MA's), (15, 9150), (16, 9159), (17, 9165), (20, 9192), (21, 9222), (22, 9228), (23, 9255), (24, 9297), (26, 9411), (27, 9447),

Gene: PhesterPhotato_13 Start: 9080, Stop: 9514, Start Num: 13

Candidate Starts for PhesterPhotato_13:

(3, 8903), (4, 8918), (8, 9002), (9, 9008), (Start: 10 @9011 has 2 MA's), (Start: 12 @9077 has 2 MA's), (Start: 13 @9080 has 3 MA's), (14, 9149), (16, 9188), (17, 9194), (19, 9212), (20, 9221), (21, 9251), (22, 9257), (23, 9284), (24, 9326), (25, 9401), (27, 9476),

Gene: RedBird_13 Start: 9034, Stop: 9468, Start Num: 13

Candidate Starts for RedBird_13:

(3, 8857), (4, 8872), (8, 8956), (Start: 10 @8965 has 2 MA's), (Start: 12 @9031 has 2 MA's), (Start: 13 @9034 has 3 MA's), (15, 9133), (16, 9142), (17, 9148), (19, 9166), (20, 9175), (21, 9205), (22, 9211), (23, 9238), (24, 9280), (26, 9394), (27, 9430),