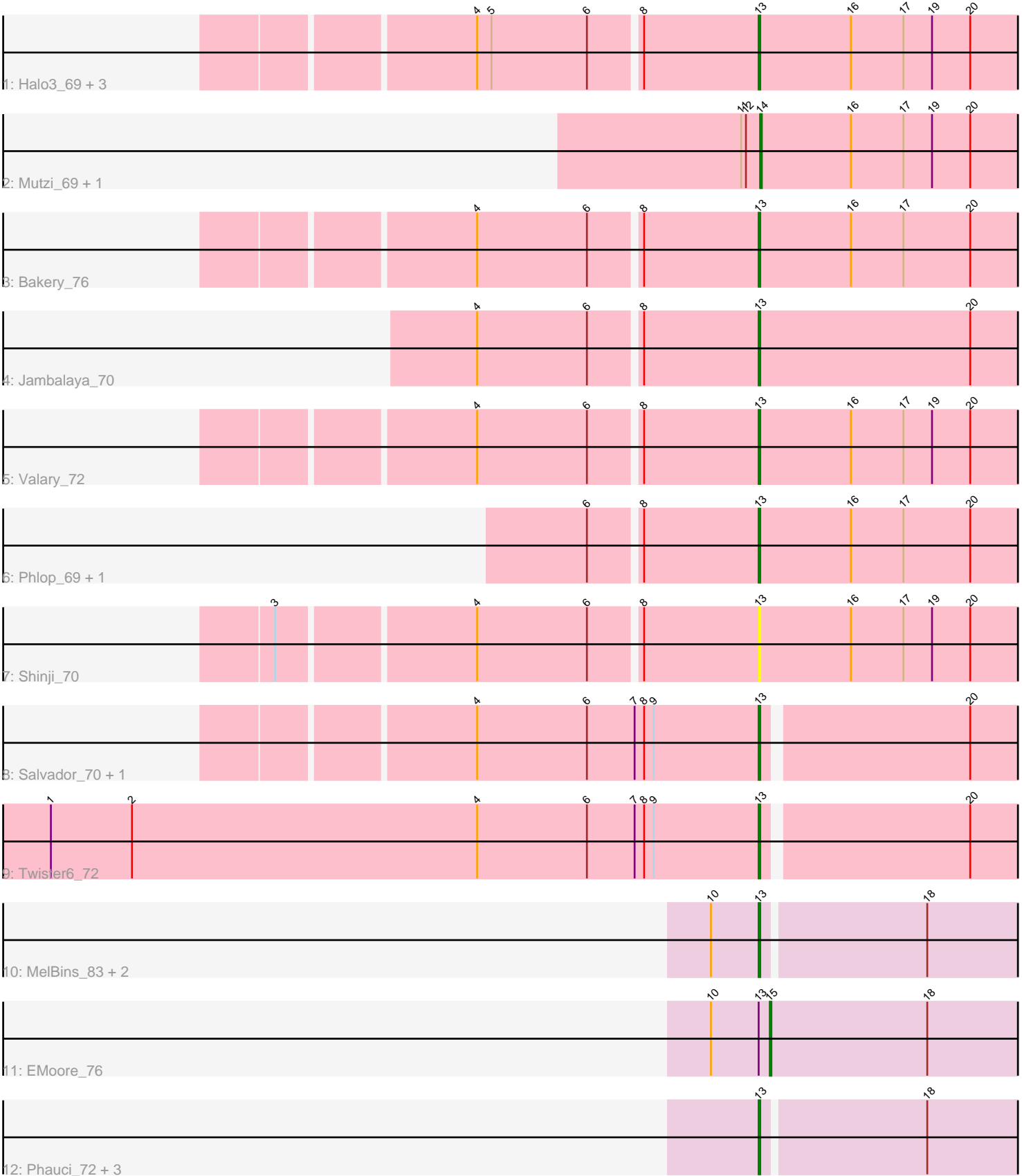


Pham 3442



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 3442 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3442 has 23 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Halo3_69, Gezellig_71, Wizard_68, KimmyK_71
- Track 2 : Mutzi_69, YungMoney_70
- Track 3 : Bakery_76
- Track 4 : Jambalaya_70
- Track 5 : Valary_72
- Track 6 : Phlop_69, PullumCavea_70
- Track 7 : Shinji_70
- Track 8 : Salvador_70, Evamon_70
- Track 9 : Twister6_72
- Track 10 : MelBins_83, Inspectinfecti_81, Ali17_77
- Track 11 : EMoore_76
- Track 12 : Phauci_72, Leonard_80, Phinally_80, Hans_81

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 17 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ali17_77, Bakery_76, Evamon_70, Gezellig_71, Halo3_69, Hans_81, Inspectinfecti_81, Jambalaya_70, KimmyK_71, Leonard_80, MelBins_83, Phauci_72, Phinally_80, Phlop_69, PullumCavea_70, Salvador_70, Shinji_70, Twister6_72, Valary_72, Wizard_68,

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

- EMoore_76,

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

- Mutzi_69, YungMoney_70,

Summary by start number:

Start 13:

- Found in 21 of 23 (91.3%) of genes in pham

- Manual Annotations of this start: 17 of 20
- Called 95.2% of time when present
- Phage (with cluster) where this start called: Ali17_77 (DE2), Bakery_76 (DC1), Evamon_70 (DC1), Gezellig_71 (DC1), Halo3_69 (DC1), Hans_81 (DE2), Inspectinfecti_81 (DE2), Jambalaya_70 (DC1), KimmyK_71 (DC1), Leonard_80 (DE2), MelBins_83 (DE2), Phauci_72 (DE2), Phinally_80 (DE2), Phlop_69 (DC1), PullumCavea_70 (DC1), Salvador_70 (DC1), Shinji_70 (DC1), Twister6_72 (DC1), Valary_72 (DC1), Wizard_68 (DC1),

Start 14:

- Found in 2 of 23 (8.7%) of genes in pham
- Manual Annotations of this start: 2 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mutzi_69 (DC1), YungMoney_70 (DC1),

Start 15:

- Found in 1 of 23 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EMoore_76 (DE2),

Summary by clusters:

There are 2 clusters represented in this pham: DE2, DC1,

Info for manual annotations of cluster DC1:

- Start number 13 was manually annotated 11 times for cluster DC1.
- Start number 14 was manually annotated 2 times for cluster DC1.

Info for manual annotations of cluster DE2:

- Start number 13 was manually annotated 6 times for cluster DE2.
- Start number 15 was manually annotated 1 time for cluster DE2.

Gene Information:

Gene: Ali17_77 Start: 55339, Stop: 55530, Start Num: 13

Candidate Starts for Ali17_77:

(10, 55309), (Start: 13 @55339 has 17 MA's), (18, 55438),

Gene: Bakery_76 Start: 52551, Stop: 52748, Start Num: 13

Candidate Starts for Bakery_76:

(4, 52380), (6, 52449), (8, 52479), (Start: 13 @52551 has 17 MA's), (16, 52608), (17, 52641), (20, 52683),

Gene: EMoore_76 Start: 56161, Stop: 56352, Start Num: 15

Candidate Starts for EMoore_76:

(10, 56125), (Start: 13 @56155 has 17 MA's), (Start: 15 @56161 has 1 MA's), (18, 56260),

Gene: Evamon_70 Start: 49653, Stop: 49841, Start Num: 13

Candidate Starts for Evamon_70:

(4, 49476), (6, 49545), (7, 49575), (8, 49581), (9, 49587), (Start: 13 @49653 has 17 MA's), (20, 49776),

Gene: Gezellig_71 Start: 49851, Stop: 50048, Start Num: 13

Candidate Starts for Gezellig_71:

(4, 49680), (5, 49689), (6, 49749), (8, 49779), (Start: 13 @49851 has 17 MA's), (16, 49908), (17, 49941), (19, 49959), (20, 49983),

Gene: Halo3_69 Start: 50436, Stop: 50633, Start Num: 13

Candidate Starts for Halo3_69:

(4, 50265), (5, 50274), (6, 50334), (8, 50364), (Start: 13 @50436 has 17 MA's), (16, 50493), (17, 50526), (19, 50544), (20, 50568),

Gene: Hans_81 Start: 56266, Stop: 56457, Start Num: 13

Candidate Starts for Hans_81:

(Start: 13 @56266 has 17 MA's), (18, 56365),

Gene: Inspectinfecti_81 Start: 56243, Stop: 56434, Start Num: 13

Candidate Starts for Inspectinfecti_81:

(10, 56213), (Start: 13 @56243 has 17 MA's), (18, 56342),

Gene: Jambalaya_70 Start: 49767, Stop: 49988, Start Num: 13

Candidate Starts for Jambalaya_70:

(4, 49596), (6, 49665), (8, 49695), (Start: 13 @49767 has 17 MA's), (20, 49899),

Gene: KimmyK_71 Start: 50298, Stop: 50495, Start Num: 13

Candidate Starts for KimmyK_71:

(4, 50127), (5, 50136), (6, 50196), (8, 50226), (Start: 13 @50298 has 17 MA's), (16, 50355), (17, 50388), (19, 50406), (20, 50430),

Gene: Leonard_80 Start: 56306, Stop: 56497, Start Num: 13

Candidate Starts for Leonard_80:

(Start: 13 @56306 has 17 MA's), (18, 56405),

Gene: MelBins_83 Start: 56964, Stop: 57155, Start Num: 13

Candidate Starts for MelBins_83:

(10, 56934), (Start: 13 @56964 has 17 MA's), (18, 57063),

Gene: Mutzi_69 Start: 50736, Stop: 50933, Start Num: 14

Candidate Starts for Mutzi_69:

(11, 50724), (12, 50727), (Start: 14 @50736 has 2 MA's), (16, 50793), (17, 50826), (19, 50844), (20, 50868),

Gene: Phauci_72 Start: 53343, Stop: 53534, Start Num: 13

Candidate Starts for Phauci_72:

(Start: 13 @53343 has 17 MA's), (18, 53442),

Gene: Phinally_80 Start: 56303, Stop: 56494, Start Num: 13

Candidate Starts for Phinally_80:

(Start: 13 @56303 has 17 MA's), (18, 56402),

Gene: Phlop_69 Start: 49941, Stop: 50138, Start Num: 13

Candidate Starts for Phlop_69:

(6, 49839), (8, 49869), (Start: 13 @49941 has 17 MA's), (16, 49998), (17, 50031), (20, 50073),

Gene: PullumCavea_70 Start: 50118, Stop: 50315, Start Num: 13

Candidate Starts for PullumCavea_70:

(6, 50016), (8, 50046), (Start: 13 @50118 has 17 MA's), (16, 50175), (17, 50208), (20, 50250),

Gene: Salvador_70 Start: 49651, Stop: 49839, Start Num: 13

Candidate Starts for Salvador_70:

(4, 49474), (6, 49543), (7, 49573), (8, 49579), (9, 49585), (Start: 13 @49651 has 17 MA's), (20, 49774),

Gene: Shinji_70 Start: 49632, Stop: 49829, Start Num: 13

Candidate Starts for Shinji_70:

(3, 49344), (4, 49461), (6, 49530), (8, 49560), (Start: 13 @49632 has 17 MA's), (16, 49689), (17, 49722), (19, 49740), (20, 49764),

Gene: Twister6_72 Start: 49382, Stop: 49570, Start Num: 13

Candidate Starts for Twister6_72:

(1, 48938), (2, 48989), (4, 49205), (6, 49274), (7, 49304), (8, 49310), (9, 49316), (Start: 13 @49382 has 17 MA's), (20, 49505),

Gene: Valary_72 Start: 50673, Stop: 50870, Start Num: 13

Candidate Starts for Valary_72:

(4, 50502), (6, 50571), (8, 50601), (Start: 13 @50673 has 17 MA's), (16, 50730), (17, 50763), (19, 50781), (20, 50805),

Gene: Wizard_68 Start: 49851, Stop: 50048, Start Num: 13

Candidate Starts for Wizard_68:

(4, 49680), (5, 49689), (6, 49749), (8, 49779), (Start: 13 @49851 has 17 MA's), (16, 49908), (17, 49941), (19, 49959), (20, 49983),

Gene: YungMoney_70 Start: 51576, Stop: 51773, Start Num: 14

Candidate Starts for YungMoney_70:

(11, 51564), (12, 51567), (Start: 14 @51576 has 2 MA's), (16, 51633), (17, 51666), (19, 51684), (20, 51708),